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# 1 Document History

## Q1 2016

Table 1: The following table summarizes changes to this guide for the Q1 2016 release

<table>
<thead>
<tr>
<th>What's New</th>
<th>Description</th>
<th>More Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>Update to <strong>User</strong> section</td>
<td>Explanation that the time to complete the process of refreshing dynamic groups is dependent on group size. Consequently there may be a delay between creating a user and that user being able to login.</td>
<td><strong>User</strong> [page 52]</td>
</tr>
<tr>
<td>Added the following under Talent OData API Entities:</td>
<td>These topics provide information on Talent form APIs that are used to enable integration with third party HRIS systems, which allows you to query and update forms.</td>
<td></td>
</tr>
<tr>
<td>• Performance Management Form Entities.</td>
<td></td>
<td><strong>Performance Management Form Entities</strong> [page 298]</td>
</tr>
<tr>
<td>• Workflow Entities.</td>
<td></td>
<td><strong>Workflow Entities</strong> [page 362]</td>
</tr>
<tr>
<td>• 360 Multirater Form Entities.</td>
<td></td>
<td><strong>360 Multirater Form Entities</strong> [page 373]</td>
</tr>
<tr>
<td>• Succession OData Entities.</td>
<td></td>
<td><strong>Succession OData Entities</strong> [page 389]</td>
</tr>
</tbody>
</table>

## Q4 2015

Table 2: The following table summarizes changes to this guide for the Q4 2015 release

<table>
<thead>
<tr>
<th>What's New</th>
<th>Description</th>
<th>More Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reorganized guide</td>
<td>Reorganized the guide based on product taxonomy.</td>
<td></td>
</tr>
<tr>
<td>Updated Endpoint URL information</td>
<td>Updated information about data center URLs</td>
<td><strong>About HCM Suite OData APIs</strong> [page 7]</td>
</tr>
<tr>
<td>Updated Goal Entities</td>
<td>Some new Goal entities, GoalPlanTemplate and SimpleGoal were added. Others were updated.</td>
<td>See the Goals section</td>
</tr>
<tr>
<td>Updated RCM Entities</td>
<td>Some new Recruiting entities were added. Others were updated.</td>
<td>See the Recruiting Section</td>
</tr>
<tr>
<td>Updated To Do API</td>
<td>Explanation about the new subjectId tag has been added/</td>
<td><strong>ToDo</strong> [page 46]</td>
</tr>
</tbody>
</table>
2 About HCM Suite OData APIs

The Open Data Protocol (OData) is a standardized protocol for creating and consuming data APIs. OData builds on core protocols like HTTP, and commonly accepted methodologies like REST. The result is a uniform way to expose full-featured data APIs. OData provides both a standard for how to represent your data and a metadata method to describe the structure of your data, and the operations available in your API. SuccessFactors OData API service is based on OData V2.0.

The HCM Suite OData API is SuccessFactors Web Services API based on OData protocol intended to enable access to data in the SuccessFactors system. The API is data oriented. This API provides methods for CRUD style access (Create, Read, Update and Delete). The API is best used for frequent or real time requests for small amounts of data. Large data requests are better handled by batch FTP processes. This OData API is used to configure entities. Each SuccessFactors module can be accessed using its own set of entities.

Enabling the HCM Suite OData API

The OData API switch in provisioning is set to enabled by default. The OData API feature is available by default, unless you manually turn it off in provisioning.

API Endpoint URLs

Your endpoint URLs for accessing the OData APIs depend on the data center hosting your SuccessFactors instance. Your SuccessFactors support representative can tell you the data center location to use for your instance. Below are the URLs for each of the SuccessFactors data centers:

Table 3:

<table>
<thead>
<tr>
<th>DataCenter Information</th>
<th>Environment</th>
<th>Endpoint URL (ODataServiceUrl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amsterdam2/HCM(DC2)</td>
<td>Production</td>
<td><a href="https://api2.successfactors.eu/odata/v2/">https://api2.successfactors.eu/odata/v2/</a></td>
</tr>
<tr>
<td>Amsterdam2/HCM(DC2)</td>
<td>SalesDemo</td>
<td><a href="https://apisalesdemo2.successfactors.eu/odata/v2/">https://apisalesdemo2.successfactors.eu/odata/v2/</a></td>
</tr>
<tr>
<td>Amsterdam2/HCM(DC2)</td>
<td>Preview</td>
<td><a href="https://api2preview.sapsf.eu/odata/v2">https://api2preview.sapsf.eu/odata/v2</a></td>
</tr>
<tr>
<td>Chandler1/HCM (DC4)</td>
<td>Production</td>
<td><a href="https://api4.successfactors.com/odata/v2/">https://api4.successfactors.com/odata/v2/</a></td>
</tr>
<tr>
<td>Chandler1/HCM (DC4)</td>
<td>SalesDemo</td>
<td><a href="https://apisalesdemo4.successfactors.com/odata/v2/">https://apisalesdemo4.successfactors.com/odata/v2/</a></td>
</tr>
<tr>
<td>Chandler1/HCM (DC4)</td>
<td>Preview</td>
<td><a href="https://api4preview.sapsf.com/odata/v2">https://api4preview.sapsf.com/odata/v2</a></td>
</tr>
<tr>
<td>DC 5</td>
<td>Production</td>
<td><a href="https://api5.successfactors.eu/odata/v2">https://api5.successfactors.eu/odata/v2</a></td>
</tr>
<tr>
<td>DataCenter Information</td>
<td>Environment</td>
<td>Endpoint URL (ODataServiceUrl)</td>
</tr>
<tr>
<td>------------------------</td>
<td>-------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>Ashburn1/HCM (DC8)</td>
<td>Production</td>
<td><a href="https://api8.successfactors.com/odata/v2/">https://api8.successfactors.com/odata/v2/</a></td>
</tr>
<tr>
<td>Ashburn1/HCM (DC8)</td>
<td>SalesDemo</td>
<td><a href="https://apisalesdemo8.successfactors.com/odata/v2/">https://apisalesdemo8.successfactors.com/odata/v2/</a></td>
</tr>
<tr>
<td>Ashburn1/HCM (DC8)</td>
<td>Preview</td>
<td><a href="https://api8preview.sapsf.com/odata/v2/">https://api8preview.sapsf.com/odata/v2/</a></td>
</tr>
<tr>
<td>Sydney1/HCM (DC10)</td>
<td>Production</td>
<td><a href="https://api10.successfactors.com/odata/v2/">https://api10.successfactors.com/odata/v2/</a></td>
</tr>
<tr>
<td>Sydney1/HCM (DC10)</td>
<td>Preview</td>
<td><a href="https://api10preview.sapsf.com/odata/v2/">https://api10preview.sapsf.com/odata/v2/</a></td>
</tr>
<tr>
<td>Rot1/HCM (DC12)</td>
<td>Production</td>
<td><a href="https://api012.successfactors.eu/odata/v2/">https://api012.successfactors.eu/odata/v2/</a></td>
</tr>
<tr>
<td>Rot1/HCM (DC12)</td>
<td>Rot</td>
<td><a href="https://apirot.successfactors.eu/odata/v2/">https://apirot.successfactors.eu/odata/v2/</a></td>
</tr>
<tr>
<td>Rot1/HCM (DC12)</td>
<td>Preview</td>
<td><a href="https://api12preview.sapsf.eu/odata/v2/">https://api12preview.sapsf.eu/odata/v2/</a></td>
</tr>
<tr>
<td>Shanghai1/HCM (DC15)</td>
<td>Production</td>
<td><a href="https://api15.sapsf.cn/odata/v2/">https://api15.sapsf.cn/odata/v2/</a></td>
</tr>
<tr>
<td>Magdeburg1/HCM(DC16)</td>
<td>Production</td>
<td><a href="https://api16.sapsf.eu/odata/v2/">https://api16.sapsf.eu/odata/v2/</a></td>
</tr>
<tr>
<td>Toronto1/HCM(DC17)</td>
<td>Preview</td>
<td><a href="https://api17preview.sapsf.com/odata/v2/">https://api17preview.sapsf.com/odata/v2/</a></td>
</tr>
<tr>
<td>Toronto1/HCM(DC17)</td>
<td>Production</td>
<td><a href="https://api17.sapsf.com/odata/v2/">https://api17.sapsf.com/odata/v2/</a></td>
</tr>
<tr>
<td>Moscow1/HCM (DC18)</td>
<td>Preview</td>
<td><a href="https://api18preview.sapsf.com/odata/v2/">https://api18preview.sapsf.com/odata/v2/</a></td>
</tr>
<tr>
<td>Moscow1/HCM (DC18)</td>
<td>Production</td>
<td><a href="https://api18.sapsf.com/odata/v2/">https://api18.sapsf.com/odata/v2/</a></td>
</tr>
</tbody>
</table>
3 Using This Guide

To get the most out of this guide, you will need to use it in conjunction with the OData API Data Dictionary. The data dictionary contains the list of entities available in your SuccessFactors Instance. All the properties and navigation properties for an entity are listed there.

The OData API dictionary also lists the allowed operations, the field (property name), field type and the label. It also tells you which fields are required and which are not. To view the OData dictionary, go to: Admin Center > Company Settings > OData API Data Dictionary.

See the OData Metadata Document [page 10] for more details on the metadata.
4 OData Metadata Document

This section describes the SuccessFactors OData document.

The metadata document is a static resource that describes the data model and type system understood by that particular OData service. You can use the metadata document to learn how to query and navigate between the entities in the system. Metadata extensions provide additional metadata information on the top of AtomPub, which gives you access to advanced operations such as data retrieval filtration. To access the SuccessFactors HCM Suite OData metadata document, go to https://<hostname>/odata/v2/$metadata. This call supports locale based labels. The default label is "en_US".

The URL will return an XML serialization of the service, including the Entity data model and the service operation descriptions. The metadata response supports only application/atom+xml type. (For example, the metadata response cannot be accessed in JSON).

Cache-Control for OData API $metadata Operations

The value of ETag is used to check if the metadata saved in client cache is the same as the one on the server. The value of max-age in the Cache-Control header is set to the life-cycle of the client metadata cache. If the cache is valid, no new request is sent to the server. When a client raises a request for metadata the first time, the server sends back a response with the latest metadata, along with a response header named ETag. The value of ETag is unique and matches the metadata version. This value is used for “If-None-Match” in the request header the next time the same request is raised. The server checks the “If-None-Match” value when a new request arrives. If its value is the same as the latest ETag generated by the server, the server simply sends back a status code of 304 (Not-Modified) instead of resending the entire metadata.

Metadata document and the API

The metadata document describes the capabilities of the API to your SuccessFactors HCM Suite instance. It contains the details of each Entity that is accessible through the API, including fields, their names and labels, their data types, and the relationships (associations) between the Entities.

The metadata document also describes the operations available in the API. The OData protocol specifies four basic database style operations: Insert, Update, Query and Delete. SuccessFactors has added a fifth operation called “Upsert” which performs an “Insert or Update” operations. In the future SuccessFactors may add many other custom operations. Typically custom operations will be perform specific business transactions, especially if a custom API is easier to manage versus a database style approach against multiple entities.

Development using the metadata document and API

Regardless of which operations are used (create, read, update, delete, upsert, or even custom operations), SuccessFactors HCM Suite will apply the appropriate business logic for each Entity. In other words, even though...
the operations appear to be database centric, the API goes through the application business logic layer. The API does not go directly against the database, nor does it bypass the business logic layer. The Entities in the API represent logical application objects familiar to an application user. Note that the Entities do not represent the actual physical data storage implementation, which may be in a different structure.

Using the metadata document for customized development is optional and considered advanced behavior for API clients. It can be critical to API client systems that need to write general code which automatically adjusts to the system configuration. For example, if you are writing a middleware tool that allows runtime discovery of the SuccessFactors HCM OData system, you can use the metadata document to discover the Entities and fields, and their data types.

### 4.1 EntitySet

The OData Metadata document for SuccessFactors HCM Suite contains the following information about the EntitySet extension.

Table 4: The EntitySet SF Extension

<table>
<thead>
<tr>
<th>ATTRIBUTE</th>
<th>REQUIRED</th>
<th>DEFAULT</th>
<th>DESCRIPTION</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>sf:Insertable</td>
<td>No</td>
<td>True</td>
<td>Instances of this Entity type can be created.</td>
<td>This is equivalent to sap:creatable.</td>
</tr>
<tr>
<td>sf:Updatable</td>
<td>No</td>
<td>True</td>
<td>Instances of this Entity type can be updated.</td>
<td>This is equivalent to sap:updatable.</td>
</tr>
<tr>
<td>sf:Upsertable</td>
<td>No</td>
<td>True</td>
<td>Instances of this Entity type can be upserted.</td>
<td></td>
</tr>
</tbody>
</table>

**Example**

```xml
<EntitySet Name="PicklistOption" sf:Insertable="true" sf:Updatable="true" sf:Upsertable="true" EntityType="SFOData.PicklistOption" />
```

### 4.2 AssociationSet

The OData Metadata document for SuccessFactors HCM Suite contains the following information about AssociationSet.

Table 5: The AssociationSet SF Extension

<table>
<thead>
<tr>
<th>ATTRIBUTE</th>
<th>REQUIRED</th>
<th>DEFAULT</th>
<th>DESCRIPTION</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>sf:Insertable</td>
<td>No</td>
<td>True</td>
<td>Instances of this relation can be created.</td>
<td>This is equivalent to sap:creatable.</td>
</tr>
</tbody>
</table>
### Attribute Summary

<table>
<thead>
<tr>
<th>ATTRIBUTE</th>
<th>REQUIRED</th>
<th>DEFAULT</th>
<th>DESCRIPTION</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>sf:Updatable</td>
<td>No</td>
<td>True</td>
<td>Instances of this relation can be updated.</td>
<td>This is equivalent to sap:updatable.</td>
</tr>
<tr>
<td>sf:Upsertable</td>
<td>No</td>
<td>True</td>
<td>Instances of this relation can be upserted.</td>
<td></td>
</tr>
</tbody>
</table>

#### Example

```xml
<AssociationSet Name="picklistoption_rel_picklistlabel"
    sf:Insertable="true" sf:Updatable="true" sf:Upsertable="true"
    Association="SFOData.picklistoption_rel_picklistlabel">
    <End EntitySet="PicklistOption" Role="picklistoption" />
    <End EntitySet="PicklistLabel" Role="picklistlabel" />
</AssociationSet>
```

### 4.3 Property (Deprecated)

The OData Metadata document for SuccessFactors HCM Suite contains the following information about the Property extension.

#### Table 6: The Property SF Extension

<table>
<thead>
<tr>
<th>ATTRIBUTE</th>
<th>REQUIRED</th>
<th>DEFAULT</th>
<th>DESCRIPTION</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>sf:Insertable</td>
<td>No</td>
<td>True</td>
<td>Value of the property can be set by client during insertion; &quot;false&quot; if the value is generated by server.</td>
<td>This is equivalent to sap:creatable.</td>
</tr>
<tr>
<td>sf:Updatable</td>
<td>No</td>
<td>True</td>
<td>Value of the property can be updated.</td>
<td>This is equivalent to sap:updatable.</td>
</tr>
<tr>
<td>sf:Upsertable</td>
<td>No</td>
<td>True</td>
<td>Value of the property can be upserted.</td>
<td></td>
</tr>
<tr>
<td>sf:Required</td>
<td>No</td>
<td>False</td>
<td>Indicate the property is required during insertion.</td>
<td></td>
</tr>
<tr>
<td>sf:Selectable</td>
<td>No</td>
<td>True</td>
<td>Indicate the property can be used in $select.</td>
<td></td>
</tr>
<tr>
<td>sf:Sortable</td>
<td>No</td>
<td>False</td>
<td>Indicate the property can be used in $orderby.</td>
<td>This is equivalent to sap:sortable.</td>
</tr>
</tbody>
</table>

#### Example

```xml
<Property Name="status" Type="Edm.String" Nullable="true"
    sf:Insertable="true" sf:Updatable="true" sf:Upsertable="true"/>
```
The OData Metadata document for SuccessFactors HCM Suite contains the following information about the NavigationProperty extension.

### Table 7: The NavigationProperty SF Extension

<table>
<thead>
<tr>
<th>ATTRIBUTE</th>
<th>REQUIRED</th>
<th>DEFAULT</th>
<th>DESCRIPTION</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>sf:Insertable</td>
<td>No</td>
<td>True</td>
<td>Reference of the navigation property can be set by client during insertion; false if the value is generated by server.</td>
<td></td>
</tr>
<tr>
<td>sf:Updatable</td>
<td>No</td>
<td>True</td>
<td>Reference of the navigation property can be updated.</td>
<td></td>
</tr>
<tr>
<td>sf:Upsertable</td>
<td>No</td>
<td>True</td>
<td>Reference of the navigation property can be upserted.</td>
<td></td>
</tr>
<tr>
<td>sf:Required</td>
<td>No</td>
<td>False</td>
<td>Indicate that the property is required during insertion</td>
<td></td>
</tr>
<tr>
<td>sf:Selectable</td>
<td>No</td>
<td>True</td>
<td>Indicate that the property can be used in $select.</td>
<td></td>
</tr>
<tr>
<td>sf:Sortable</td>
<td>No</td>
<td>False</td>
<td>Indicate the property can be used in $orderby.</td>
<td></td>
</tr>
<tr>
<td>sf:Filterable</td>
<td>No</td>
<td>False</td>
<td>Indicate the property can be used in $filter.</td>
<td></td>
</tr>
<tr>
<td>sf:inlineinsertable</td>
<td>No</td>
<td>False</td>
<td>Content of the navigation property can be inserted.</td>
<td></td>
</tr>
</tbody>
</table>

**Example**

```xml
<NavigationProperty Name="parentPicklistOption"
    sf:Insertable="true" sf:Updatable="true" sf:Upsertable="true"
    sf:Selectable="true" sf:Sortable="true" sf:Filterable="true"
    sf:inlineinsertable="false" sf:inlineUpsertable="false"
    Relationship="SFOData.picklistoption_rel_parentpicklistoption"
    FromRole="picklistoption" ToRole="parentpicklistoption" />
```
4.5 Metadata Enhancements for UI5 Smart Controls

Enhancements to SF extensions to support UI5 Smart Controls are described here.

The tables below describe SAP extensions and document their equivalence to SF extension.

For more information about Extensions Specification in OData, please visit https://scn.sap.com/docs/DOC-44986. The existing SF extensions the SAP extensions equivalent to them are listed in the column "Equivalent to". These SF extensions will be removed in the future.

### Entity Type

Table 8:

<table>
<thead>
<tr>
<th>Name</th>
<th>Required</th>
<th>Default</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>sap:content-version</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:semantics</td>
<td>No</td>
<td></td>
<td>values can be these:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• vcard</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• vevent</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• vtodo</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• parameters</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• aggregate</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• variant</td>
</tr>
<tr>
<td>sap:label</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:is-thing-type</td>
<td>No</td>
<td>false</td>
<td></td>
</tr>
</tbody>
</table>

### Properties

Table 9:

<table>
<thead>
<tr>
<th>Name</th>
<th>Display by Default</th>
<th>Default Value</th>
<th>Equivalent to</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>sap:label</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:semantics</td>
<td>No</td>
<td></td>
<td></td>
<td>The candidate values in EdmProperty are too many to list here. They are described in the extension specifications document listed above.</td>
</tr>
<tr>
<td>Name</td>
<td>Display by Default</td>
<td>Default Value</td>
<td>Equivalent to</td>
<td>Comment</td>
</tr>
<tr>
<td>---------------</td>
<td>--------------------</td>
<td>---------------</td>
<td>---------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>sap:creatable</td>
<td>No</td>
<td>true</td>
<td>sf:Insertable</td>
<td>mapping to COpProp­erty.viewable(). Values of this property are typically visible to end users. If visibility can change per entity or based on the entities’ state, do not use this static annotation and use sap:field-control instead.</td>
</tr>
<tr>
<td>sap:updatable</td>
<td>No</td>
<td>true</td>
<td>sf:Updatable</td>
<td></td>
</tr>
<tr>
<td>sap:upsertable</td>
<td>No</td>
<td>true</td>
<td>sf:Upertable</td>
<td></td>
</tr>
<tr>
<td>sap:required</td>
<td>No</td>
<td>false</td>
<td>sf:Required</td>
<td></td>
</tr>
<tr>
<td>sap:visible</td>
<td>No</td>
<td>true</td>
<td>sf:Selectable</td>
<td></td>
</tr>
<tr>
<td>sap:text</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:display-format</td>
<td>No</td>
<td></td>
<td></td>
<td>• “Date” indicates that only the date part of an Edm.DateTime value is relevant.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• “NonNegative” indicates that only non-negative numeric values are provided and persisted, other input will lead to errors.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• “UpperCase” indicates that uppercase values are provided and persisted, lowercase input will be converted.</td>
</tr>
<tr>
<td>sap:unit</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:precision</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Display by Default</td>
<td>Default Value</td>
<td>Equivalent to</td>
<td>Comment</td>
</tr>
<tr>
<td>-------------------------</td>
<td>--------------------</td>
<td>---------------</td>
<td>------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>sap:required-in-filter</td>
<td>No</td>
<td>false</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:sortable</td>
<td>No</td>
<td>false</td>
<td>sf:Sortable</td>
<td>Can be used in $orderBy system query option.</td>
</tr>
<tr>
<td>sap:filter-restriction</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:filterable</td>
<td>No</td>
<td>false</td>
<td>sf:Filterable</td>
<td>Can be used in $filter system query option.</td>
</tr>
<tr>
<td>sap:lower-boundary</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:upper-boundary</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:aggregation-role</td>
<td>No</td>
<td></td>
<td></td>
<td>A property can be annotated with this attribute, if it has an aggrega-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>tion role. The attribute can take the following values:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>● “dimension” indicates that the property represents the key of a</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>dimension</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>● “measure” indicates that the property represents a measure whose</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>values will be aggregated according to the aggregating behavior of</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>the containing entity type</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>● “totaled-properties-list” indicates that the property value is a</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>comma-separated list of totaled dimension property names.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Only valid when sap:semantics=&quot;aggregate&quot; in EdmEntityType level</td>
</tr>
<tr>
<td>Name</td>
<td>Display by Default</td>
<td>Default Value</td>
<td>Equivalent to</td>
<td>Comment</td>
</tr>
<tr>
<td>-------------------</td>
<td>--------------------</td>
<td>---------------</td>
<td>---------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>sap:super-ordinate</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:attribute-for</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:hierarchy-node-for</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:hierarchy-level-for</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:hierarchy-parent-node-for</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:hierarchy-drill-state-for</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:parameter</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:is-annotation</td>
<td>No</td>
<td>false</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:updatable-path</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:preserve-flag-for</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:filter-for</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:inlineRequired</td>
<td>No</td>
<td>null</td>
<td>sf:InlineRequired</td>
<td>Useful in Binary and String property as per the MC-CSDL document</td>
</tr>
<tr>
<td>sap:picklist</td>
<td>No</td>
<td>null</td>
<td>sf:Picklist</td>
<td></td>
</tr>
<tr>
<td>sap:filter-control</td>
<td>No</td>
<td>null</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DefaultValue</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MaxLength</td>
<td>No</td>
<td></td>
<td></td>
<td>Useful in DateTime, Time, DateTimeOffset and Decimal property due to MC-CSDL document</td>
</tr>
<tr>
<td>Precision</td>
<td>No</td>
<td></td>
<td></td>
<td>Useful in DateTime, Time, DateTimeOffset and Decimal property due to MC-CSDL document</td>
</tr>
<tr>
<td>Scale</td>
<td>No</td>
<td></td>
<td></td>
<td>Useful in Decimal property as per the MC-CSDL document</td>
</tr>
<tr>
<td>Nullable</td>
<td>No</td>
<td>true</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Navigation Properties

Table 10:

<table>
<thead>
<tr>
<th>Name</th>
<th>Display by Default</th>
<th>Default Value</th>
<th>Equivalent to</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>sap:creatable</td>
<td>No</td>
<td>true</td>
<td>sf:Insertable</td>
<td>Reference of the navigation property can be set by client during insertion; “false” if the value is generated by server</td>
</tr>
<tr>
<td>sap:updatable</td>
<td>No</td>
<td>true</td>
<td>sf:Updatable</td>
<td></td>
</tr>
<tr>
<td>sap:upsertable</td>
<td>No</td>
<td>true</td>
<td>sf:Upsertable</td>
<td></td>
</tr>
<tr>
<td>sap:required</td>
<td>No</td>
<td>false</td>
<td>sf:Required</td>
<td>Indicates that the property is required during insertion</td>
</tr>
<tr>
<td>sap:visible</td>
<td>No</td>
<td>true</td>
<td>sf:Selectable</td>
<td>Indicates that the property can be used in $select</td>
</tr>
<tr>
<td>sap:sortable</td>
<td>No</td>
<td>false</td>
<td>sf:Sortable</td>
<td></td>
</tr>
<tr>
<td>sap:filterable</td>
<td>No</td>
<td>false</td>
<td>sf:Filterable</td>
<td>Indicates that the property can be used in $filter</td>
</tr>
<tr>
<td>sap:picklist</td>
<td>No</td>
<td>null</td>
<td>sf:Picklist</td>
<td></td>
</tr>
</tbody>
</table>

Function Imports

Table 11:

<table>
<thead>
<tr>
<th>Name</th>
<th>Display by Default</th>
<th>Default Value</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>sap:action-for</td>
<td>No</td>
<td></td>
<td>Value must be the name of an existing entity, such as ‘User’.</td>
</tr>
<tr>
<td>sap:label</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Display by Default</td>
<td>Default Value</td>
<td>Comment</td>
</tr>
<tr>
<td>---------------------</td>
<td>--------------------</td>
<td>---------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>sap:applicable-path</td>
<td>No</td>
<td></td>
<td>Value must be of a name of boolean type property of the entity that action-for describes, such as 'male', which is a property of 'User'; or a name like 'A/B', A is a complex type property of the entity that action-for describes and B is a boolean type property of A. The property that applicable-path describes have dependency on the entity that action-for describes.</td>
</tr>
</tbody>
</table>

**Schema**

Table 12:

<table>
<thead>
<tr>
<th>Name</th>
<th>Display by Default</th>
<th>Default Value</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>sap:content-version</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EntitySet**

Table 13:

<table>
<thead>
<tr>
<th>Name</th>
<th>Display by Default</th>
<th>Default Value</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>sap:content-version</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:creatable</td>
<td>No</td>
<td>true</td>
<td></td>
</tr>
<tr>
<td>sap:updatable</td>
<td>No</td>
<td>true</td>
<td></td>
</tr>
<tr>
<td></td>
<td>No</td>
<td>true</td>
<td></td>
</tr>
<tr>
<td>sap:deletable</td>
<td>No</td>
<td>true</td>
<td></td>
</tr>
<tr>
<td>sap:searchable</td>
<td>No</td>
<td>false</td>
<td></td>
</tr>
<tr>
<td>sap:pageable</td>
<td>No</td>
<td>true</td>
<td></td>
</tr>
</tbody>
</table>
### sap:topable
- **Required:** No
- **Default Value:** true

### sap:subscribable
- **Required:** No
- **Default Value:** false

### sap:addressable
- **Required:** No
- **Default Value:** true

### sap:requires-filter
- **Required:** No
- **Default Value:** false

### sap:label
- **Required:** No

### sap:semantics
- **Required:** No

## AssociationSet

Table 14:

<table>
<thead>
<tr>
<th>Name</th>
<th>Required</th>
<th>Default Value</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>sap:content-version</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:semantics</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:creatable</td>
<td>No</td>
<td>true</td>
<td></td>
</tr>
<tr>
<td>sap:updatable</td>
<td>No</td>
<td>true</td>
<td></td>
</tr>
<tr>
<td>sap:deletable</td>
<td>No</td>
<td>true</td>
<td></td>
</tr>
</tbody>
</table>

## Association

Table 15:

<table>
<thead>
<tr>
<th>Name</th>
<th>Required</th>
<th>Default Value</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>sap:content-version</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sap:semantics</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Parameter

Table 16:

<table>
<thead>
<tr>
<th>Name</th>
<th>Required</th>
<th>Default Value</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>sap:label</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Annotations (SAP Vocabulary)

Table 17:

<table>
<thead>
<tr>
<th>Name</th>
<th>Required</th>
<th>Default Value</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>LineItem</td>
<td>No</td>
<td></td>
<td>com.sap.vocabularies.UI.v1.LineItem</td>
</tr>
</tbody>
</table>

SF & SAP Extensions Equivalence

Table 18: Property Level

<table>
<thead>
<tr>
<th>sf:Required</th>
<th>sap:required</th>
</tr>
</thead>
<tbody>
<tr>
<td>sf:Insertable</td>
<td>sap:creatable</td>
</tr>
<tr>
<td>sf:Updatable</td>
<td>sap:updatable</td>
</tr>
<tr>
<td>sf:Upsertable</td>
<td>sap:upsertable</td>
</tr>
<tr>
<td>sf:Selectable</td>
<td>sap:visible</td>
</tr>
<tr>
<td>sf:Sortable</td>
<td>sap:sortable</td>
</tr>
<tr>
<td>sf:Filterable</td>
<td>sap:filterable</td>
</tr>
<tr>
<td>sf:InlineRequired</td>
<td>sap:inlineRequired</td>
</tr>
<tr>
<td>sf:Picklist</td>
<td>sap:picklist</td>
</tr>
</tbody>
</table>

Table 19: Navigation Property Level

<table>
<thead>
<tr>
<th>sf:Required</th>
<th>sap:required</th>
</tr>
</thead>
<tbody>
<tr>
<td>sf:Insertable</td>
<td>sap:creatable</td>
</tr>
<tr>
<td>sf:Updatable</td>
<td>sap:updatable</td>
</tr>
<tr>
<td>sf:Upsertable</td>
<td>sap:upsertable</td>
</tr>
<tr>
<td>sf:Selectable</td>
<td>sap:visible</td>
</tr>
</tbody>
</table>
In order to get extra information, such as language labels, picklists, beyond what the standard OData metadata provides, SuccessFactors OData exposes metadata as an entity. Take a look at the sample API calls below to make the most of this feature.

### Sample API Calls

The following API call shows you how to display a list of entities in your instance:

```plaintext
https://<hostname>/odata/v2
```

The following API call shows you how to access the entire metadata for your instance:

```plaintext
https://<hostname>/odata/v2/$metadata
```

The following API call shows you how to access the metadata for only the User entity:

```plaintext
https://<hostname>/odata/v2/Entity('User')?$format=json
```

Here the entity properties are exposed as a complex type value embedded in the response body of `Entity`. Different forms of metadata can thus be exposed without changing the standard OData metadata format. You can access the new metadata just like you would access a regular entity. In addition, it supports a simple filter to output metadata of a specific entity or a group of entities.

The following API call shows you how to access the metadata for the User and Photo entities:

```plaintext
https://<hostname>/odata/v2/User,Photo/$metadata
```

You can use the same URL to query User entity data:

```plaintext
https://<hostname>/odata/v2/User,Photo/User?$format=json&$filter=user Id eq ‘cgrant’
```
5 Common Entities

5.1 Attachment

This entity provides a single and simple way of uploading the attachment of different modules with various data elements. For example, the EC module could upload an attachment for workPermitInfo. Regardless of the business context, the attachment itself can be represented as a common abstraction, which is managed by the platform attachment framework.

Permissions

There is a permission check for query operation and edit operation, either in the Administrative Domain (in the traditional permission system) or in the Role Based Permissions (RBP). The Attachment Manager and ODATA API should be enabled before using this entity.

To enable query permission:

Table 20:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools ➔ Manage Permission Roles ➔ all_perm ➔ Permission ➔ Manage User ➔ Select Access to Attachment Export API Admin.</td>
</tr>
<tr>
<td>Admin domain</td>
<td>Go to Admin Tools ➔ Admin privilege ➔ Integration Tools ➔ Select Access to Attachment Export API Admin.</td>
</tr>
</tbody>
</table>

To enable edit permission:

Table 21:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools ➔ Manage Permission Roles ➔ all_perm ➔ Permission ➔ Manage User ➔ Select Access to Attachment Import API Admin.</td>
</tr>
<tr>
<td>Admin domain</td>
<td>Go to Admin Tools ➔ Admin privilege ➔ Integration Tools ➔ Select Access to Attachment Import API Admin.</td>
</tr>
</tbody>
</table>

i Note

Note Attachment navigated from other entities will ignore these permission checks; it will follow the permission of the source entity.
Operations Allowed

Following operations are supported:

Table 22:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query an attachment record by attachment properties.</td>
</tr>
<tr>
<td>PUT</td>
<td>Insert a new attachment record.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Delete an attachment record.</td>
</tr>
<tr>
<td>UPSERT/POST</td>
<td>If the attachment record does not exist, insert a new one.</td>
</tr>
<tr>
<td></td>
<td>Otherwise show message update is not supported.</td>
</tr>
</tbody>
</table>

Use Cases

Table 23:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET /odata/v2/Attachment(1L)</td>
<td>Query by attachment Id. You can use attachmentId as business key to query a single attachment entry. Other properties such as users_sys_id, last_modify, and module can be used to filter the query result.</td>
</tr>
<tr>
<td>GET /odata/v2/Attachment?$filter=module eq 'EMPLOYEE_PROFILE'</td>
<td>Query by filter. The value of module and module category would come from the module team who that is calling this API.</td>
</tr>
<tr>
<td>POST /odata/v2/Attachment</td>
<td>Insert a new attachment. Currently only insert is supported for attachment entity, replace/merge is not allowed for attachment. The file content should be base64 encoded.</td>
</tr>
<tr>
<td>POST /odata/v2/upsert</td>
<td>Upsert attachments allows you to insert multiple attachments in a single request. Because replace/merge is not currently supported, you can take advantage of this API to batch insert</td>
</tr>
</tbody>
</table>
Rules for Inserting Attachments

In order to insert an attachment, you need to provide below info: userId (or externalId), fileName, module, statusTextSet, fileContent. The file content should be base64 encoded before you calling the insert API. Virus scan will be implemented before insert operation. Following are constraints for inserting:

1. Either userId and externalId is required.
2. File Name is required. The name should be full name including the file type. E.g.: abc.doc
3. Module is required and can only be one of these values:

<table>
<thead>
<tr>
<th>ApplicationModuleEnum</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEFAULT</td>
</tr>
<tr>
<td>COMPENSATION</td>
</tr>
<tr>
<td>GOAL_MANAGEMENT</td>
</tr>
<tr>
<td>EMPLOYEE_PROFILE</td>
</tr>
<tr>
<td>PM360_REVIEW</td>
</tr>
<tr>
<td>PERFORMANCE_MANAGER</td>
</tr>
<tr>
<td>RECRUITING</td>
</tr>
<tr>
<td>SUCCESSION</td>
</tr>
<tr>
<td>VARIABLE_PAY</td>
</tr>
<tr>
<td>HRIS</td>
</tr>
<tr>
<td>GENERIC_OBJECT</td>
</tr>
<tr>
<td>CALIBRATION</td>
</tr>
</tbody>
</table>

4. fileContent is required for input, and it should not be null. The size should not exceed the limit of company. The limit is defined in provisioning, by default 5M.
5. Multiple fields are used to indicate the attachment status, they will finally map to a single database column: status. The below table depicts the influence of accumulation result of these fields:
Table 25:

<table>
<thead>
<tr>
<th>StatusEnum</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIEWABLE</td>
<td>1</td>
</tr>
<tr>
<td>SEARCHABLE</td>
<td>2</td>
</tr>
<tr>
<td>DELETABLE</td>
<td>4</td>
</tr>
<tr>
<td>DEPRECABLE</td>
<td>8</td>
</tr>
<tr>
<td>SOFT_DELETE</td>
<td>16</td>
</tr>
<tr>
<td>IMAGE_CONVERT_IN_PROGRESS</td>
<td>32</td>
</tr>
</tbody>
</table>

**Note**

if VIEWABLE only, the status is 1; if DELETABLE only, the status is 4; if [VIEWABLE, DELETABLE], the status is 5 (1+4); if [VIEWABLE, SEARCHABLE, DELETABLE], the status is 7 (1+2+4).

6. fileExtension is read from fileName. Valid value list of fileExtension is as below. mimeType is parsed from fileContent. Valid value list of fileExtension is as below:

Table 26:

<table>
<thead>
<tr>
<th>AttachmentFileExtension</th>
</tr>
</thead>
<tbody>
<tr>
<td>doc</td>
</tr>
<tr>
<td>doc</td>
</tr>
<tr>
<td>pdf</td>
</tr>
<tr>
<td>csv</td>
</tr>
<tr>
<td>htm</td>
</tr>
<tr>
<td>ppt</td>
</tr>
<tr>
<td>xls</td>
</tr>
<tr>
<td>gif</td>
</tr>
<tr>
<td>png</td>
</tr>
<tr>
<td>jpg</td>
</tr>
<tr>
<td>jpeg</td>
</tr>
<tr>
<td>html</td>
</tr>
<tr>
<td>rtf</td>
</tr>
</tbody>
</table>
7. moduleCategory is not required for input, but if it is provided, the value should be either null or one of below values:

Table 27:

<table>
<thead>
<tr>
<th>AttachmentTypeEnum</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNSPECIFIED</td>
</tr>
<tr>
<td>RESUME</td>
</tr>
<tr>
<td>COVERLETTER</td>
</tr>
<tr>
<td>HRIS_ATTACHMENT</td>
</tr>
<tr>
<td>PERFORMANCE_ASSESSMENTS</td>
</tr>
<tr>
<td>360_MULTI_RATER_ASSESSMENTS</td>
</tr>
<tr>
<td>CERTIFICATIONS</td>
</tr>
<tr>
<td>PUBLICATIONS</td>
</tr>
<tr>
<td>USER_DEFINED</td>
</tr>
<tr>
<td>CANDIDATEHISTORY</td>
</tr>
<tr>
<td>ATTACHMENTS</td>
</tr>
<tr>
<td>APPLICATION_INTERVIEW_ATTACHMENTS</td>
</tr>
<tr>
<td>GENERICOBJECT_ATTACHMENT</td>
</tr>
</tbody>
</table>

Decoding Attachments

The response to a query request to an attachment entity contains a base64 encoded string, which represents the file content, but it is not readable (as doc or pdf) or visible (as an image). The code example below converts the base64 encoded string into the original attachment content:

```java
import javax.ws.rs.core.Response;
```
import org.odata4j.repack.org.apache.commons.codec.binary.Base64;
// the input parameters are from properties of Attachment instance:
// fileContent   -> base64String
// mimeType      -> mimeType
// fileExtension -> fileExtension
protected Response getFileContent(String base64String, String mimeType, String fileExtension) {
    byte[] bValue = Base64.decodeBase64(base64String);
    InputStream inputStream = new ByteArrayInputStream(bValue);
    return Response.ok(inputStream, mimeType).header("Content-Disposition", "Default" + ":" + fileExtension).build();
}

You can simply implement the $value extension for Attachment so that you could get the file content directly with the expected file type.

5.2 CompetencyRating

This entity updates the competency rating information for a user.

Permissions

<table>
<thead>
<tr>
<th>Permission</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>User-based</td>
<td>Go to Admin Tools &gt; Admin Privilege &gt; System Properties &gt; Select Access to Competency Rating Import API Admin.</td>
</tr>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Manage Permission Roles &gt; all_perm &gt; Permission &gt; Manage User &gt; Select Access to Competency Rating Import API Admin.</td>
</tr>
</tbody>
</table>

To enable edit operations, you need to set the following permissions:

<table>
<thead>
<tr>
<th>Permission</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>User-based</td>
<td>Go to Admin Tools &gt; Admin Privilege &gt; System Properties &gt; Select Access to Competency Rating Export API Admin.</td>
</tr>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Manage Permission Roles &gt; all_perm &gt; Permission &gt; Manage User &gt; Select Access to Competency Rating Export API Admin.</td>
</tr>
</tbody>
</table>
Required Provisioning Settings

None.

Operations Allowed

The following operations are allowed for the CompetencyRating entity:

Table 30:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a competency rating record by rating properties or user properties.</td>
</tr>
<tr>
<td>MERGE</td>
<td>Update a competency rating record in database with specified rating properties.</td>
</tr>
<tr>
<td>PUT</td>
<td>Replace a competency rating record in database.</td>
</tr>
<tr>
<td>UPSERT/POST</td>
<td>If the competency rating record does not exist, insert a new one. Otherwise, update the competency rating record in database.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Delete a competency rating record.</td>
</tr>
</tbody>
</table>

Note

- Only Upsert supports handling multiple records. The rest operations can only handle one record at a time.
- Edit operations are only available for Competency Rating when the rating type is "Individual", the source type is "Live Profile", and the module is an API.

Navigation Properties

There is a one-to-many association between User and CompetencyRating. For each user there can be one or more competency ratings, and for each competency rating, there is only one corresponding user.

Table 31:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>user</td>
<td>User</td>
<td>This relationship is used to navigate to the corresponding user entity</td>
</tr>
</tbody>
</table>

Use Cases

- The Performance and Learning modules write employees competency ratings into the Feedback table. You can query this data using CompetencyRating OData API.
For one time migration, employee ratings from SAP HCM have to be transmitted to SFSF BizX. You can insert one competency rating record, or insert a batch (upsert) of competency rating data using the CompetencyRating OData API. You can also update or delete a specific competency rating record.

- You can edit the competency rating type: individual rating (rating = 1), live profile rating source(source = 2), and module is API (module = 21). Since the internal ID is used as a key, you should always get the ID first for editing.

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/odata/v2/CompetencyRating?$filter=guid eq '1'</td>
<td>Filter a record.</td>
</tr>
<tr>
<td>/odata/v2/CompetencyRating(211509L)/user</td>
<td>Get the user for a given competency rating using the navigation property.</td>
</tr>
<tr>
<td>/odata/v2/User('admin')/competencyRating</td>
<td>Get the competency rating for a user using the navigation property.</td>
</tr>
<tr>
<td>/odata/v2/CompetencyRating POST</td>
<td>Insert a record.</td>
</tr>
<tr>
<td>{ &quot;userId&quot; : &quot;admin&quot;, &quot;type&quot; : 1, &quot;source&quot; : 2, &quot;module&quot; : 21, &quot;guid&quot; : &quot;2&quot; }</td>
<td>Insert a record.</td>
</tr>
<tr>
<td>/odata/v2/CompetencyRating(211509L) POST</td>
<td>Merge a record.</td>
</tr>
<tr>
<td>Header: X-HTTP-METHOD/MERGE { &quot;rating&quot; : 3.5, &quot;rater&quot; : &quot;admin&quot; }</td>
<td>Merge a record.</td>
</tr>
<tr>
<td>/odata/v2/CompetencyRating(211509L) PUT</td>
<td>Replace a record by ID.</td>
</tr>
<tr>
<td>{ &quot;rating&quot; : 3.5, &quot;rater&quot; : &quot;admin&quot;, &quot;formDataId&quot; : 123 }</td>
<td>Replace a record by ID.</td>
</tr>
<tr>
<td>/odata/v2/upsert POST { &quot;__metadata&quot;: {&quot;uri&quot;:&quot;CompetencyRating&quot;}, &quot;userId&quot; : &quot;admin&quot;, &quot;type&quot; : 1, &quot;source&quot; : 2, &quot;module&quot; : 21, &quot;guid&quot; : &quot;2&quot;, &quot;rating&quot; : 3.5, &quot;rater&quot; : &quot;admin&quot; }</td>
<td>Upsert a record (insert case).</td>
</tr>
<tr>
<td>/odata/v2/upsert POST { &quot;__metadata&quot;: {&quot;uri&quot;:&quot;CompetencyRating&quot;}, &quot;id&quot; : 211509, &quot;rating&quot; : 4.5 }</td>
<td>Upsert a record (merge case).</td>
</tr>
</tbody>
</table>
5.3 Country

This entity stores information that is relevant for each country, such as currency and country code.

Permissions

Table 33:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role Based Permissions</td>
<td>Go to Admin Center &gt; Manage Permission Roles &gt; Permission Settings &gt; Metadata Framework &gt; Select Read/Write Permission on the metadata framework for non-admin use, and Import Permission on the metadata framework for admin use.</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 34:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a country record.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Delete a country record.</td>
</tr>
<tr>
<td>UPSERT/POST</td>
<td>Insert a country record.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 35:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>currencyNav/code</td>
<td>Currency</td>
<td>An association between country and currency.</td>
</tr>
<tr>
<td>currencyNav/effectiveStartDate</td>
<td>Currency</td>
<td>An association between country and currency.</td>
</tr>
<tr>
<td>mdfSystemRecordStatusNav/key</td>
<td>MDFEnumValue</td>
<td>An association between Country and MDFEnumValue.</td>
</tr>
<tr>
<td>mdfSystemRecordStatusNav/value</td>
<td>MDFEnumValue</td>
<td>An association between Country and MDFEnumValue.</td>
</tr>
<tr>
<td>statusNav/key</td>
<td>MDFEnumValue</td>
<td>An association between Country and MDFEnumValue.</td>
</tr>
<tr>
<td>Navigation Property</td>
<td>Related Entity</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------</td>
<td>---------------------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>statusNav/value</td>
<td>MDFEnumValue</td>
<td>An association between Country and MDFEnumValue.</td>
</tr>
</tbody>
</table>

### Entity Relation Diagram

![Entity Relation Diagram](image)

### Use Cases

Table 36:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTTP method: POST, URL: odata/v2/Country</td>
<td>Create a country record.</td>
</tr>
<tr>
<td>HTTP method: MERGE, URL: odata/v2/Country(code='xxx',effectiveStartDate=date time'yyyy-mm-ddT00:00:00')</td>
<td>Update a country record.</td>
</tr>
<tr>
<td>HTTP method: DELETE, URL: odata/v2/Country(code='xxx',effectiveStartDate=date time'yyyy-mm-ddT00:00:00')</td>
<td>Delete a country record.</td>
</tr>
<tr>
<td>HTTP method: GET, URL: odata/v2/Country</td>
<td>Query country records.</td>
</tr>
</tbody>
</table>

### Code Examples

```json
"__metadata":{
"uri":"https://localhost:443/odata/v2/Country(code='USA',effectiveStartDate=datetime'2010-06-01T00:00:00')",
"type":"SFOData.Country"
},
"effectiveStartDate":"\Date(1275321600000)\",
"code":"USA",
"status":"A",
"twoCharCountryCode":"US",
"externalName_en_US":"United States",
"numericCountryCode":"1",
"statusNav":{
"__deferred":{
"uri":"https://localhost:443/odata/v2/Country(code='USA',effectiveStartDate=datetime'2010-06-01T00:00:00')/statusNav"
}
```
5.4 Currency

This entity stores currency information.

Permissions

Table 37:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
</table>
| Role-based        | Go to Admin Center > Manage Permission Roles > Permission Settings > Metadata Framework > Select Read/Write Permission on the metadata framework for non-admin use, and Import Permission on the metadata framework for admin use.

Operations Allowed

Table 38:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a currency record.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Delete a currency record.</td>
</tr>
<tr>
<td>UPSERT/POST</td>
<td>Insert a currency record.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 39:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>mdfSystemRecordStatusNav/key</td>
<td>MDFEnumValue</td>
<td>An association between the currency and the MDFEnumValue.</td>
</tr>
<tr>
<td>mdfSystemRecordStatusNav/value</td>
<td>MDFEnumValue</td>
<td>An association between Currency and MDFEnumValue.</td>
</tr>
<tr>
<td>Navigation Property</td>
<td>Related Entity</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------</td>
<td>-------------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>statusNav/key</td>
<td>MDFEnumValue</td>
<td>An association between Currency and MDFEnumValue.</td>
</tr>
<tr>
<td>statusNav/value</td>
<td>MDFEnumValue</td>
<td>An association between Currency and MDFEnumValue.</td>
</tr>
</tbody>
</table>

**Entity Relation Diagram**

**Use Cases**

Table 40:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTTP method: POST, URL: odata/v2/Currency</td>
<td>Create a currency record.</td>
</tr>
<tr>
<td>HTTP method: MERGE, URL: odata/v2/Currency</td>
<td>Update a currency record.</td>
</tr>
<tr>
<td>HTTP method: DELETE, URL: odata/v2/Currency</td>
<td>Delete a currency record.</td>
</tr>
<tr>
<td>HTTP method: GET, URL: odata/v2/Currency</td>
<td>Query currency records.</td>
</tr>
</tbody>
</table>
5.5 CurrencyConversion

This entity stores the currency conversion information.

Permissions

Table 41:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to [Admin Center ➤ Manage Permission Roles ➤ Permission Settings ➤ Metadata Framework ➤ Select Read/Write Permission on the metadata framework for non-admin use, and Import Permission on the metadata framework for admin use.</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 42:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a currency conversion record.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Delete a currency conversion record.</td>
</tr>
<tr>
<td>UPSERT/POST</td>
<td>Insert a currency conversion record.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 43:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>effectiveStatusNav/key</td>
<td>MDFEnumValue</td>
<td>An association between CurrencyConversion and MDFEnumValue.</td>
</tr>
<tr>
<td>effectiveStatusNav/value</td>
<td>MDFEnumValue</td>
<td>An association between CurrencyConversion and MDFEnumValue.</td>
</tr>
<tr>
<td>exchangeRateTypeNav/externalCode</td>
<td>PickListValueV2</td>
<td>An association between CurrencyConversion and PickListValueV2.</td>
</tr>
<tr>
<td>exchangeRateTypeNav/PickListV2_effectiveStartDate</td>
<td>PickListValueV2</td>
<td>An association between CurrencyConversion and PickListValueV2.</td>
</tr>
<tr>
<td>exchangeRateTypeNav/PickListV2_id</td>
<td>PickListValueV2</td>
<td>An association between CurrencyConversion and PickListValueV2.</td>
</tr>
<tr>
<td>mdfsSystemRecordStatusNav/key</td>
<td>MDFEnumValue</td>
<td>An association between CurrencyConversion and MDFEnumValue.</td>
</tr>
<tr>
<td>Navigation Property</td>
<td>Related Entity</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>-------------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>mdfSystemRecordStatusNav/value</td>
<td>MDFEnumValue</td>
<td>An association between CurrencyConversion and MDFEnumValue.</td>
</tr>
</tbody>
</table>

**Entity Relation Diagram**

**Use Cases**

Table 44:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTTP method: POST, URL: odata/v2/CurrencyConversion</td>
<td>Create a currency conversion record.</td>
</tr>
<tr>
<td>HTTP method: MERGE, URL: odata/v2/CurrencyConversion(code='xxx',effectiveStartDate=datetime'yyyy-mm-ddT00:00:00')</td>
<td>Update a currency conversion record.</td>
</tr>
<tr>
<td>HTTP method: DELETE, URL: odata/v2/CurrencyConversion(code='xxx',effectiveStartDate=datetime'yyyy-mm-ddT00:00:00')</td>
<td>Delete a currency conversion record.</td>
</tr>
<tr>
<td>HTTP method: GET, URL: odata/v2/CurrencyConversion</td>
<td>Query currency conversion records.</td>
</tr>
</tbody>
</table>

**5.6 Photo**

The Photo entity allows you to query, import, update, and delete user photos in the system.

**Permissions**

There is no permission check for query operation. You need to set the following permissions to enable edit operations like Import, Merge, Replace, Upsert and Delete:
Table 45:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Manage Permission Roles &gt; Permission Settings &gt; Employee Data &gt; Enable Edit Permission for Photo field and click Done.</td>
</tr>
<tr>
<td>User-based</td>
<td>Go to Succession Management &gt; Import/Export Data Model &gt; Export the file and edit it to grant write permission on &quot;Photo&quot; element to the correct roles. Import the revised xml file.</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 46:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUERY</td>
<td>The system stores several images for a single user's profile picture in different sizes to be used in different applications. For example, thumbnail size images are used in the org chart, quick card and faces page, while larger size images are used in the employee profile. The different photo types are categorized by the photoType field. You can query for a specified photoType. All photos with the identified photoType for all active users are returned. To retrieve photos for a given userId but different photoType, you need to specify the userId in the query. To retrieve a single photo for a given userId and photoType, you need to put both of them into query criteria.</td>
</tr>
<tr>
<td>IMPORT</td>
<td>When a photo is imported for a user, the system generates several internal images in different sizes and saves them in the database.</td>
</tr>
<tr>
<td>MERGE</td>
<td>Updates a photo record in the database with specified photo properties.</td>
</tr>
<tr>
<td>REPLACE (PUT)</td>
<td>Replaces a photo record in the database.</td>
</tr>
<tr>
<td>DELETE</td>
<td>The system removes all the internally generated images when a photo is deleted for a user.</td>
</tr>
<tr>
<td>UPSERT/POST</td>
<td>If the photo does not exist, inserts a new one. Otherwise updates the photo record in database.</td>
</tr>
</tbody>
</table>

Photo Entity Behavior

- Only Upsert supports handling multiple records. All other operations can only handle a single record.
- Edit operations are only available for photos of photoType LIVE_PROFILE or USER_EXPRESSIVE_PHOTO.
- When a user inserts a LIVE_PROFILE photo, ORG_CHART, QUICK_CARD, FACE, LIVE_PROFILE_SQUARE_60 and LIVE_PROFILE_SQUARE_30 photos are generated automatically.
- If a LIVE_PROFILE photo is deleted or updated, then ORG_CHART, QUICK_CARD, FACE, LIVE_PROFILE_SQUARE_60 and LIVE_PROFILE_SQUARE_30 photos are also deleted or updated.
- For the USER_EXPRESSIVE_PHOTO, the system will check and raise an error if the size of the photo is not 980x580.
- When Public Profile view is set to “Expressive”, and user does not specify any background photo, querying USER_EXPRESSIVE_PHOTO with userId, returns the randomly assigned background photo, or default background photo according to the admin setting. If no random image is available, then the default background photo will be returned.
Properties

To retrieve a particular photo you must specify the `userId` and `photoType`. These are the business keys for the `Photo` entity:

Table 47:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>photoId</td>
<td>The unique ID of the photo.</td>
</tr>
<tr>
<td>userId</td>
<td>The user ID of the employee photo.</td>
</tr>
<tr>
<td>photo</td>
<td>base64 encrypted binary data (blob) of the photo.</td>
</tr>
<tr>
<td>lastModified</td>
<td>The date on which the photo was last modified.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>The date and time, with time zone information when the photo was last modified.</td>
</tr>
<tr>
<td>photoType</td>
<td>The type of photo.</td>
</tr>
<tr>
<td>mimeType</td>
<td>The MIME(Multi-Purpose Internet Mail Extensions) Type of the photo.</td>
</tr>
<tr>
<td>width</td>
<td>The width of the photo.</td>
</tr>
<tr>
<td>height</td>
<td>The height of the photo.</td>
</tr>
<tr>
<td>photoName</td>
<td>The name of the photo.</td>
</tr>
</tbody>
</table>

PhotoType Enumerations

The following table lists the various photo types that are available:

Table 48:

<table>
<thead>
<tr>
<th>PhotoType Enumeration</th>
<th>PhotoType ID</th>
<th>Max Width</th>
<th>Max Height</th>
<th>Supported Operations</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIVE_PROFILE</td>
<td>1</td>
<td>180</td>
<td>240</td>
<td>Query, Edit</td>
<td>Used as master copy in user profile photo. Recommend aspect ratio is 3:4(w:h) and recommend minimum size is 180*240.</td>
</tr>
<tr>
<td>ORG_CHART</td>
<td>2</td>
<td>20</td>
<td>27</td>
<td>Query</td>
<td>System generated. Used as org chart image.</td>
</tr>
<tr>
<td>QUICK_CARD</td>
<td>3</td>
<td>60</td>
<td>80</td>
<td>Query</td>
<td>System generated. Used as quick card of user in V11 theme.</td>
</tr>
</tbody>
</table>
Support for Media Resource (MLE)

We now support the Query operation for a media resource. A media resource is typically a BLOB and is described by a Media Link Entity (MLE). MLE is special kind of resource that contains metadata about a media resource. In the OData entity data model, it is an entity type with attribute "m.HasStream" set to True. Sample metadata for an MLE:

```
<EntityType Name="Photo" m:HasStream="true">
  <Key>
    <PropertyRef Name="photoType" />
    <PropertyRef Name="userId" />
  </Key>
  ...
  <Property...>
    ...
  </Property>
</EntityType>
```

For a media resource entity, $value is supported. A sample query http://your_host/odata/v2/Photo(photoType=your_type, userId='your_id')/$value returns the media resource (BLOB) with the
corresponding content type in the response header. The content type is the ‘mineType’ property of the Photo instance.

Use Cases

Table 49:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>http://&lt;hostname&gt;/odata/v2/Photo?$top=10</td>
<td>Query top ten photos for information.</td>
</tr>
<tr>
<td>http://&lt;hostname&gt;/odata/v2/Photo(photoType=1,userId='admin')</td>
<td>Query a single photo with a given key.</td>
</tr>
</tbody>
</table>

HTTP Status (Error) Codes

The OData User Photo API now returns new http status codes as a part of an upsert response. The newly added status codes are 200, 201, 400 and 500. Usually, if the item gets inserted, the httpCode is 201, if the item gets updated, then the httpCode is 204, if we don’t know the exact action, the httpCode is 200. For an error, the httpCode is 400 for a bad request exception. If the exception is recognized, the httpCode is set to 500.

Table 50:

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>User does not exist</td>
</tr>
<tr>
<td>400</td>
<td>User is not active</td>
</tr>
<tr>
<td>400</td>
<td>Mismatched key</td>
</tr>
<tr>
<td>400</td>
<td>Invalid photo type</td>
</tr>
<tr>
<td>400</td>
<td>Photo record does not exist when an update is performed</td>
</tr>
<tr>
<td>400</td>
<td>Photo record already exists when an insert is performed</td>
</tr>
<tr>
<td>400</td>
<td>Photo data is empty</td>
</tr>
<tr>
<td>400</td>
<td>Photo size is larger than 2 MB</td>
</tr>
<tr>
<td>400</td>
<td>The photo type is not equals 1(live profile) or 14(expressive) when editing a photo entity</td>
</tr>
<tr>
<td>403</td>
<td>The photo type is 14(expressive) and public profile is not enabled when editing a photo entity</td>
</tr>
<tr>
<td>403</td>
<td>The photo type is 14(expressive) and expressive mode is not enabled for company when editing a photo entity</td>
</tr>
<tr>
<td>403</td>
<td>The photo type is 14(expressive) and public profile is not in expressive mode for user when editing a photo entity</td>
</tr>
<tr>
<td>403</td>
<td>The photo type is 14(expressive) and uploading of background photo is not allowed in admin tools when editing a photo entity</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-------------</td>
</tr>
<tr>
<td>400</td>
<td>The photo type is 14(expressive) and edit other user’s photo when editing a photo entity</td>
</tr>
</tbody>
</table>

Sample JSON with new http codes is:

```json
{
  "d": [{
    "key": "test_new_user_001",
    "status": "OK",
    "editStatus": "INSERTED",
    "message": null,
    "index": 0,
    "httpCode": 201,
    "inlineResults": null
  },{
    "key": "test_existing_user_001",
    "status": "OK",
    "editStatus": "UPDATED",
    "message": null,
    "index": 1,
    "httpCode": 204,
    "inlineResults": null
  },{
    "key": "upsert_user_0001",
    "status": "ERROR",
    "editStatus": null,
    "message": "Key property (User/userId) doesn't match the key in the __metadata uri",
    "index": 2,
    "httpCode": 500,
    "inlineResults": null
  }]
}
```

## 5.7 PickListV2

This entity stores pick list information.

### Permissions

Table 51:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin tools ➤ Manage Permission Roles ➤ Permission Settings ➤ Metadata Framework. Select Read/Write Permission on the metadata framework for non-admin use, and Import Permission on the metadata framework for admin use.</td>
</tr>
</tbody>
</table>
Operations Allowed

Table 52:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a PickListV2.</td>
</tr>
<tr>
<td>MERGE</td>
<td>Update a PickListV2.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Delete a PickListV2.</td>
</tr>
<tr>
<td>UPSERT/POST</td>
<td>Insert a PickListV2.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 53:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>values</td>
<td>PickListValueV2</td>
<td>An association between PickListV2 and PickListValueV2</td>
</tr>
<tr>
<td>displayOrderNav</td>
<td>MDFEnumValue</td>
<td>An association between PickListV2 and MDFEnumValue</td>
</tr>
<tr>
<td>statusNav</td>
<td>MDFEnumValue</td>
<td>An association between PickListV2 and MDFEnumValue</td>
</tr>
</tbody>
</table>

Entity Relation Diagram

Use Cases

Table 54:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTTP method: POST, URL: odata/v2/PickListV2</td>
<td>Create a PickListV2 record.</td>
</tr>
</tbody>
</table>
### API Call

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTTP method: MERGE, URL: odata/v2/PickListV2(id='xxx',effectiveStartDate=datetime'yyyy-mm-ddT00:00:00')</td>
<td>Update a PickListV2 record.</td>
</tr>
<tr>
<td>HTTP method: DELETE, URL: odata/v2/PickListV2(id='xxx',effectiveStartDate=datetime'yyyy-mm-ddT00:00:00')</td>
<td>Delete a PickListV2 record.</td>
</tr>
<tr>
<td>HTTP method: GET, URL: odata/v2/PickListV2</td>
<td>Query PickList records.</td>
</tr>
</tbody>
</table>

### 5.8 PickListValueV2

This entity stores the values for pick lists.

### Permissions

Table 55:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin tools &gt; Manage Permission Roles &gt; Permission Settings &gt; Metadata Framework &gt; Select <strong>Read/Write Permission</strong> on the metadata framework for non-admin use, and <strong>Import Permission</strong> on the metadata framework for admin use.</td>
</tr>
</tbody>
</table>

### Operations Allowed

Table 56:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a pick list value.</td>
</tr>
<tr>
<td>MERGE</td>
<td>Update a pick list value.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Delete a pick list value.</td>
</tr>
<tr>
<td>UPSERT/POST</td>
<td>Insert a pick list value.</td>
</tr>
</tbody>
</table>
Navigation Properties

Table 57:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>mdfSystemRecordStatusNav</td>
<td>MDFEnumValue</td>
<td>An association between PickListV2 and MDFEnumValue.</td>
</tr>
<tr>
<td>statusNav</td>
<td>MDFEnumValue</td>
<td>An association between PickListV2 and MDFEnumValue.</td>
</tr>
</tbody>
</table>

Entity Relation Diagram

Use Cases

Table 58:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTTP method: POST, URL: odata/v2/PickListValueV2</td>
<td>Create a PickListValueV2 record.</td>
</tr>
<tr>
<td>HTTP method: MERGE, URL: odata/v2/PickListValueV2(id='xxx',effectiveStartDate=datetime'yyyy-mm-ddT00:00:00',externalCode='xxxx')</td>
<td>Update a PickListValueV2 record.</td>
</tr>
<tr>
<td>HTTP method: DELETE, URL: odata/v2/PickListValueV2(id='xxx',effectiveStartDate=datetime'yyyy-mm-ddT00:00:00',externalCode='xxxx')</td>
<td>Delete a PickListValueV2 record.</td>
</tr>
<tr>
<td>HTTP method: GET, URL: odata/v2/PickListValueV2</td>
<td>Query PickListValueV2 records.</td>
</tr>
</tbody>
</table>
5.9 TimeZone

This entity stores time zone information.

Permissions

Table 59:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Center ➤ Manage Permission Roles ➤ Permission Settings ➤ Metadata Framework ➤ Select Read/Write Permission on the metadata framework for non-admin use, and Import Permission on the metadata framework for admin use.</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 60:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a time zone record.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Delete a time zone record.</td>
</tr>
<tr>
<td>UPSERT/POST</td>
<td>Insert a time zone record.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 61:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>countryNav/code</td>
<td>Country</td>
<td>An association between TimeZone and Country.</td>
</tr>
<tr>
<td>countryNav/effectiveStartDate</td>
<td>Country</td>
<td>An association between TimeZone and Country.</td>
</tr>
<tr>
<td>effectiveStatusNav/key</td>
<td>MDFEnumValue</td>
<td>An association between TimeZone and MDFEnumValue.</td>
</tr>
<tr>
<td>effectiveStatusNav/value</td>
<td>MDFEnumValue</td>
<td>An association between TimeZone and MDFEnumValue.</td>
</tr>
<tr>
<td>mdfSystemRecordStatusNav/key</td>
<td>MDFEnumValue</td>
<td>An association between TimeZone and MDFEnumValue.</td>
</tr>
<tr>
<td>mdfSystemRecordStatusNav/value</td>
<td>MDFEnumValue</td>
<td>An association between TimeZone and MDFEnumValue.</td>
</tr>
</tbody>
</table>
Entity Relation Diagram

Use Cases

Table 62:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTTP method: POST, URL: odata/v2/TimeZone</td>
<td>Create a time zone record.</td>
</tr>
<tr>
<td>HTTP method: MERGE, URL: odata/v2/TimeZone(code='xxx', effectiveStartDate=datetime'yyyy-mm-ddT00:00:00')</td>
<td>Update a time zone record.</td>
</tr>
<tr>
<td>HTTP method: DELETE, URL: odata/v2/TimeZone(code='xxx', effectiveStartDate=datetime'yyyy-mm-ddT00:00:00')</td>
<td>Delete a time zone record.</td>
</tr>
<tr>
<td>HTTP method: GET, URL: odata/v2/TimeZone</td>
<td>Query time zone records.</td>
</tr>
</tbody>
</table>

5.10 ToDo

This entity represents the list of tasks (Todos’) assigned to a user. Todos can be classified into different categories and map to different functional areas in the HCM Suite.

Following is the list of valid category IDs, their description and display order:

Table 63:

<table>
<thead>
<tr>
<th>Category ID</th>
<th>Mapping Description</th>
<th>Display Order</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Performance Review Default Category</td>
<td>0</td>
</tr>
<tr>
<td>1</td>
<td>Goal Default Category</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>360 Default Category</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>Compensation Default Category</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>Succession Management Default Category</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>Recruiting Default Category</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>Succession Org Chart Default Category</td>
<td>6</td>
</tr>
<tr>
<td>Category ID</td>
<td>Mapping Description</td>
<td>Display Order</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>7</td>
<td>My Team Rater Category</td>
<td>7</td>
</tr>
<tr>
<td>8</td>
<td>Business Process Platform Category</td>
<td>8</td>
</tr>
<tr>
<td>9</td>
<td>HRIS ACTIONS Category</td>
<td>9</td>
</tr>
<tr>
<td>10</td>
<td>Interview Assessment Category</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>Offer Letter Category</td>
<td>11</td>
</tr>
<tr>
<td>12</td>
<td>Calibration Sessions Category</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>Recruiting Events Category</td>
<td>13</td>
</tr>
<tr>
<td>14</td>
<td>HRIS Employee Change Requests Category</td>
<td>14</td>
</tr>
<tr>
<td>15</td>
<td>Learning Alert Category</td>
<td>15</td>
</tr>
<tr>
<td>16</td>
<td>Assigned Training Category</td>
<td>16</td>
</tr>
<tr>
<td>17</td>
<td>Learning Survey Category</td>
<td>17</td>
</tr>
<tr>
<td>18</td>
<td>Generic Object Category</td>
<td>18</td>
</tr>
<tr>
<td>19</td>
<td>Absence Management Category</td>
<td>19</td>
</tr>
<tr>
<td>20</td>
<td>Employee Profile Complete Category</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>Onboarding Pending items Category</td>
<td>21</td>
</tr>
<tr>
<td>22</td>
<td>Job Profile Category</td>
<td>22</td>
</tr>
<tr>
<td>23</td>
<td>Onboarding Meeting Category</td>
<td>23</td>
</tr>
<tr>
<td>24</td>
<td>EC alert Category</td>
<td>24</td>
</tr>
<tr>
<td>25</td>
<td>IT Category</td>
<td>25</td>
</tr>
<tr>
<td>26</td>
<td>Deductions Category</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>Onboarding NewHire activity for Manager category</td>
<td>27</td>
</tr>
</tbody>
</table>

**Operations Allowed**

Table 64:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query the ToDo entity to retrieve information about stored ToDos.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Delete the selected ToDo.</td>
</tr>
</tbody>
</table>
Properties

Table 65:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>categoryId</td>
<td>A string that identifies the type of Todo. This property can be used as a filter. The API returns all todos if no categoryId is specified in the API call. You can use the orderby operation to sort this property.</td>
</tr>
<tr>
<td>categoryLabel</td>
<td>A string label that describes a Todo category name.</td>
</tr>
<tr>
<td>Todos</td>
<td>A list containing all Todos for the currently logged in User.</td>
</tr>
<tr>
<td>displayOrder</td>
<td>Display order of the given ToDo. This can be either ascending or descending. e.g. orderby = displayOrder desc</td>
</tr>
</tbody>
</table>

Entity Relation Diagram
Use Cases

Table 66:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>http://&lt;hostname&gt;/odata/v2/Todo? $format=json</td>
<td>Simple query</td>
</tr>
<tr>
<td>http://&lt;hostname&gt;/odata/v2/Todo? $format=json&amp;$filter=categoryId eq '5'</td>
<td>Query with a filter</td>
</tr>
<tr>
<td>https://&lt;hostname&gt;/odata/v2/Todo? $format=json&amp;$filter=categoryId in '2%2C'0%2C'1'&amp;$orderby=categoryId %20desc</td>
<td>Query with $orderby</td>
</tr>
</tbody>
</table>
| http://<hostname>/odata/v2/Todo? $format=json&$filter=status ne '3'   | Query by value status not equal to 3. Status of a task can take the following values:  
  ● 1: Upcoming task  
  ● 2: Active task which is pending for logged in user to take action  
  ● 3: Completed task. |

Code Example

```json
{
  "d": {
    "results": [
    {
      "@metadata": {
        "uri": "https://ex.successfactors.com:443/odata/v2/Todo('5')",
        "type": "SFOData.Todo"
      },
      "categoryId": "5",
      "todos": [
        {
          "categoryId": "5",
          "completedDate": null,
          "dueDate": "/Date(1391144400000)/",
          "dueDateOffSet": -2,
          "entries": null,
          "entryId": 0,
          "name": "Post this job.",
          "status": 0,
          "statusLabel": null,
          "stepDescAlt": null,
          "todoItemId": "60",
          "url": "https://ex.successfactors.com/sf/recruiting?company=myCompany"
        }
      ],
      "categoryLabel": "Recruit New Talent"
    },
    {
      "@metadata": {
        "uri": "https://ex.successfactors.com:443/odata/v2/Todo('10')",
        "type": "SFOData.Todo"
      }
    }
  ]
}
```
Response XML Description

Some of the XML tags in the response are described below:

Table 67:

<table>
<thead>
<tr>
<th>Tag</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CategoryId</td>
<td>This is the ID of the category.</td>
</tr>
<tr>
<td>completedDate</td>
<td>If applicable, this is the completed date for the Todo item.</td>
</tr>
<tr>
<td>dueDate</td>
<td>If applicable, this is the due date for the Todo item.</td>
</tr>
<tr>
<td>dueDateOffSet</td>
<td>If applicable, this is the number of days until the Todo item is due.</td>
</tr>
<tr>
<td>entries</td>
<td>This is the list of Todos for one step in route map.</td>
</tr>
<tr>
<td>name</td>
<td>This is the name of the step or a learning item. For the 'Profile Complete' Todo, this is set to &quot;Finish Your Profile&quot;.</td>
</tr>
<tr>
<td>status</td>
<td>This is the Status Id of the Todo Form.</td>
</tr>
<tr>
<td>statusLabel</td>
<td>This is the Label associated with the status Id.</td>
</tr>
<tr>
<td>stepDescAlt</td>
<td>This is the Description of the step.</td>
</tr>
<tr>
<td>url</td>
<td>This is the relevant deeplink URL, if any, for the category.</td>
</tr>
<tr>
<td>subjectId</td>
<td>For the workflow Todo, the value of this tag is equal to the workflowId of the workflow item. This value of this tag is null for all other Todo types.</td>
</tr>
</tbody>
</table>

Deeplink URL Description

Following is the list of deeplink URLs based on applications:

Table 68:

<table>
<thead>
<tr>
<th>Application</th>
<th>To Do Category</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Learning</td>
<td>CATEGORY_ASSIGNED_TRAINING_REQUESTS = &quot;15&quot;</td>
<td>/sf/learning?destUrl=https%3A%2F%2Fqmallqtp01t07.plateau.com%2Flearning%2Fuser%2Fdeeplink_redirect.jsp...</td>
</tr>
<tr>
<td>Learning</td>
<td>CATEGORY_LEARNING_SURVEY_REQUESTS = &quot;16&quot;</td>
<td>/sf/learning?destUrl=https%3A%2F%2Fqmallqtp01t07.plateau.com%2Flearning%2Fuser%2Fdeeplink_redirect.jsp...</td>
</tr>
<tr>
<td>Learning</td>
<td>CATEGORY_LMS_LEARNING_ALERT = &quot;26&quot;</td>
<td>/sf/learning?destUrl=https%3A%2F%2Fqmallqtp01t07.plateau.com%2Flearning%2Fuser%2Fdeeplink_redirect.jsp...</td>
</tr>
<tr>
<td>Application</td>
<td>To Do Category</td>
<td>URL</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------</td>
<td>-----</td>
</tr>
<tr>
<td>EC</td>
<td>CATEGORY_HRIS_ACTIONS = &quot;9&quot;</td>
<td>/sf/liveprofile</td>
</tr>
<tr>
<td>EC</td>
<td>CATEGORY_HRIS_EMP_CHANGE_REQUESTS = &quot;14&quot;</td>
<td>/sf/hrisworkflowapprovelink?workflowRequestId=V2-FF... The value is Null on category level. The URL is shown only on entry level.</td>
</tr>
<tr>
<td>EC</td>
<td>CATEGORY_GENERIC_OBJECT_CHANGE_REQUESTS = &quot;17&quot;</td>
<td>/sf/hrisworkflowapprovelink?workflowRequestId=V2-FF... The value is Null on category level. The URL is shown only on entry level.</td>
</tr>
<tr>
<td>EC</td>
<td>CATEGORY_ABSENCE_MANAGEMENT_REQUESTS = &quot;18&quot;</td>
<td>/sf/hrisworkflowapprovelink?workflowRequestId=V2-FF... The value is Null on category level. The URL is shown only on entry level.</td>
</tr>
<tr>
<td>EC</td>
<td>CATEGORY_IT_DECLARATION_REQUESTS= &quot;24&quot;</td>
<td>/sf/hrisworkflowapprovelink?workflowRequestId=V2-FF... The value is Null on category level. The URL is shown only on entry level.</td>
</tr>
<tr>
<td>EC</td>
<td>CATEGORY_DEDUCTION_REQUESTS= &quot;25&quot;</td>
<td>/sf/hrisworkflowapprovelink?workflowRequestId=V2-FF... The value is Null on category level. The URL is shown only on entry level.</td>
</tr>
<tr>
<td>EP</td>
<td>CATEGORY_EMPLOYEE_PROFILE_COMPLETE = '19'</td>
<td>/sf/liveprofile</td>
</tr>
<tr>
<td>Onboarding</td>
<td>CATEGORY_ONBOARDING_PENDING_ITEMS = &quot;20&quot;</td>
<td>/sf/onboarding</td>
</tr>
<tr>
<td>Onboarding</td>
<td>CATEGORY_ONBOARDING_PENDING_NEWHIRE_ACTIVITIES_FOR_MANAGER = &quot;27&quot;</td>
<td>/sf/onboarding</td>
</tr>
<tr>
<td>RCM</td>
<td>CATEGORY_JOB_PROFILE_CHANGE_REQUESTS = &quot;21&quot;</td>
<td>/sf/recruiting/jobreqsummary</td>
</tr>
</tbody>
</table>

### 5.11 User

The **User** Entity represents a user account and contains user demographic and organizational information such as a user’s department, division, location, job code, manager and other details.

The **User** Entity lets you integrate data between SuccessFactors HCM Suite and your Human Resource Information System (HRIS) or payroll system. This data-transfer process allows single-source updates of your
employee data. The updates you enter into your HRIS will be passed to SuccessFactors HCM Suite, eliminating duplicate entries between both systems.

To do this integration, you must export the defined data fields. These data can be imported to the tool either through the API using the User entity, or through a flat file, which is uploaded through the Admin Tools user interface.

The API can be accessed to upload the data in real time. You can automate the file-update process can be automated using a Secure File Transport Protocol (SFTP) process, executed according to your schedule to maintain synchronized data.

Permissions

Unlike SFAPI, in the OData API there is a separation between User and Admin permissions. It is not required that users have Admin privileges to query the User Entity. But only users with Admin permission can edit it.

Administrative Permissions

Users with Employee Export permission to the OData API will be able to query all columns of data that they have permission to access, but row-level restrictions are applied based on the Roll-Based Permissions (RBP) settings for the user. The RBP settings are the same as row restrictions that can be applied through file-based imports and exports by specifying a target population in either an Administrative Domain (in the traditional permission system) or through a target population in the RBP settings. If the user doesn’t have Employee Export permission, row and field-level permission settings in RBP are followed.

To edit a User Entity, you can use either the Import Employee Data permission or the Employee Import permission, depending on the following:

- If you have the Effective Dated Data Platform, or Employee Central V2, or EC2MDF features enabled in provisioning, the Import Employee Data permission is enabled.
- Else, the Employee Import permission is enabled.

The following administrative permissions are required to have admin access the User entity. RBP restrictions take effect after these basic permissions have been granted.

Table 69:

<table>
<thead>
<tr>
<th>API Operation</th>
<th>Permission Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSERT</td>
<td>▶ Manage Users ▶ Employee Import</td>
</tr>
<tr>
<td>MERGE and REPLACE</td>
<td>▶ Manage Users ▶ Employee Import</td>
</tr>
<tr>
<td>UPSERT</td>
<td>▶ Manage Users ▶ Employee Import</td>
</tr>
<tr>
<td>DELETE</td>
<td>You cannot hard-delete any row in the User entity. You can only set the status to inactive or inactive_external, which is in effect a soft delete. Note that user data can be purged separately by administrators using the System Data Retention Management feature.</td>
</tr>
</tbody>
</table>

HCM Suite OData API
Common Entities
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<table>
<thead>
<tr>
<th>API Operation</th>
<th>Permission Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUERY</td>
<td>Manage Users &gt; Employee Export</td>
</tr>
</tbody>
</table>

An administrator with Employee Export and Employee Import permission who is not on an RBP system will have all corresponding query and edit permissions.

**Non Administrative Permissions**

Permissions for a user without administrative permissions are controlled by RBP settings for the user. The OData User Entity honors field and row-level security for your system. For RBP systems, security permission includes view (query) and edit (not delete) permissions for each field.

For non-RBP systems, user permissions are set in the Succession Data Model that is configured by your SuccessFactors HCM Suite implementation representative. Users without admin access cannot access the User Entity. You must have Employee Export or Import Employee Data permission to access the User Entity.

**User Entity Field Configuration and Permissions**

The fields in the User Entity are configured in the system data model, which is called the Succession Data Model. The Succession Data Model is a shared platform data model configuration framework. It is typically configured by your SuccessFactors HCM Suite implementation representative in consultation with your organization and required business practices. It may also be configured by your company SuccessFactors HCM Suite administrator using the SuccessFactory tool. The User Entity exposes every `<standard-element>` and `<userinfo-element>` field that appears in the Succession Data Model.

The User entity has field level permission control. When a user entity is queried, the API checks the permission of each property taking into account, the authorization of the login user. This information can be used by integration as needed. For example, a user-interface could display a field as a label if the field is read only, or display it as an input box if it is mandatory.

The following table lists the values that field permissions can take:

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Mandatory - property must contain a value (indicates writeable).</td>
</tr>
<tr>
<td>3</td>
<td>Optional - property may contain a null value (indicates writeable).</td>
</tr>
<tr>
<td>1</td>
<td>Read-only - property cannot be changed.</td>
</tr>
<tr>
<td>0</td>
<td>Hidden - property should not be visible on user interfaces.</td>
</tr>
</tbody>
</table>
You can use the following call to retrieve field permission information:

https:<hostname>/odata/v2/User('cgrant')?$expand=userPermissionsNav

A sample response is below:

```xml
<entry>
  <content type="application/xml">
    <m:properties>
      <d:userId>cgrant</d:userId>
      <d:addressLine1>651 Michigan Ave</d:addressLine1>
      ...
    </m:properties>
  </content>
  <link href="User('cgrant')/userPermissionsNav"/>
  <m:inline>
    <feed>
      <title type="text">userPermissions</title>
      <id>User('cgrant')/userPermissionsNav</id>
      <link rel="self" title="userPermissions" href="User('cgrant')/userPermissionsNav" />
      <entry>
        <m:properties>
          <d:userId>cgrant</d:userId>
          <d:addressLine1>1</d:addressLine1>
          ...
        </m:properties>
      </entry>
    </feed>
  </m:inline>
</entry>
```

In the example, the permission data for the user 'cgrant' is displayed as an inline structure along with the user data. The field 'addressLine1' is read-only.

**Import-Export of Employee Data using the OData API**

There are several differences between importing and exporting of employee data between the OData API and file-based processes.

<table>
<thead>
<tr>
<th>File-based process</th>
<th>OData process</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imports and exports of employee data are managed through two separate files:</td>
<td>All fields in the Basic Employee Import/Export and the Extended User Information field are combined into the User Entity.</td>
</tr>
<tr>
<td>● (Basic) Employee Import/Export will access the core employee data fields used to create the user account and the core organizational fields required for security and core business processes.</td>
<td></td>
</tr>
<tr>
<td>● Extended User Information Import/Export accesses many extended fields used in additional modules like Succession, Compensation and Recruiting.</td>
<td></td>
</tr>
<tr>
<td>Field names differ from between the OData API User entity and the Basic Employee Import. For details, see [add xref link to &quot;Business Rules for OData API Based File Transfers&quot; topic]</td>
<td>See [add xref link to &quot;Business Rules for OData API Based File Transfers&quot; topic]</td>
</tr>
<tr>
<td>File-based process</td>
<td>OData process</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Import of employee data are typically scheduled on a nightly basis, so the imports are not real time.</td>
<td>Imports are real time.</td>
</tr>
<tr>
<td>Date-time formats must be mm/dd/yyyy.</td>
<td>- OData API datetime formats are as follows: /Date(694224000000)/ for JSON and 2000-12-12T12:00 for ATOM</td>
</tr>
<tr>
<td></td>
<td>- Some API entities may take a date value tunneled inside a string datatype.</td>
</tr>
<tr>
<td></td>
<td>For exceptions to date formats, refer to the documentation for the specific Entity.</td>
</tr>
<tr>
<td>Imports are unlimited in file size.</td>
<td>Imports are subject to the API batch size rules (maximum batch size of 1000)</td>
</tr>
</tbody>
</table>

1. File-based imports and exports of employee data are managed through two separate files:
   1. (Basic) Employee Import/Export will access the core employee data fields used to create the user account and the core organizational fields required for security and core business processes.
   2. Extended User Information Import/Export accesses many extended fields used in additional modules like Succession, Compensation and Recruiting.
2. In the OData API, all of the fields in the Basic Employee Import/Export AND the Extended User Information field are combined into the User entity.
3. Field names differ from between the OData API User entity and the Basic Employee Import. These differences are documented below.
4. Imports to the User API entity are real time, and are subject to the API batch size rules (maximum batch size of 1000). File based imports are unlimited in the file size. File based import of employee data can be scheduled, typically on a nightly basis, so the imports are not real time.
5. Date format differs between file imports and API:
   1. File date-time formats must be mm/dd/yyyy.
   2. OData API datetime formats are “/Date(694224000000)/” for JSON and “2000-12-12T12:00” for ATOM
   3. Some API entities may take a date value tunneled inside a “string” datatype. Please refer to specific entity documentation for exceptions on date formats.

**Note**

When updating user information via user import tool, Manage Employee application or using an OData API call, dynamic groups are refreshed asynchronously, in a separate job. This allows the user import request to be completed in a timely manner. However, the process of refreshing the dynamic groups varies in time from seconds to minutes. The delay time is dependent on the dynamic group number and the load of the Job server. This means that when you create a user, the user will not usually get the login access immediately.
Operations Allowed

Table 72:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Query</td>
<td>You can query the User Entity using keywords or a custom query.</td>
</tr>
<tr>
<td>Merge/Replace</td>
<td>The Update operation and either Replace existing data or merge new data with the already existing data.</td>
</tr>
<tr>
<td>Upsert</td>
<td>The server updates the Entity for which an external id already exists. A new Entity is inserted if the external id doesn’t exist. Inline properties of Entities are also updated.</td>
</tr>
<tr>
<td>deleteLink</td>
<td>You can delete a link from one user instance to another entity instance using a navigation property.</td>
</tr>
<tr>
<td>updateLink</td>
<td>You can update existing links by either replacing or merging them.</td>
</tr>
<tr>
<td>createLink</td>
<td>You can create a link from one user instance to another entity instance using a navigation property.</td>
</tr>
</tbody>
</table>

Properties

The userId, username, and status properties are usually required. The userId is a business key. Other fields can be configured as required if needed in your system. Commonly fields are shown in the following table:

Table 73:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>userId</td>
<td>User Id of the given user.</td>
</tr>
<tr>
<td>addressLine1</td>
<td>Address for the given user.</td>
</tr>
<tr>
<td>addressLine2</td>
<td>Address for the given user.</td>
</tr>
<tr>
<td>addressLine3</td>
<td>Address for the given user.</td>
</tr>
<tr>
<td>benchStrength</td>
<td>Bench Strength of the user.</td>
</tr>
<tr>
<td>bonusBudgetAmount</td>
<td>Bonus budget amount for the user.</td>
</tr>
<tr>
<td>bonusTarget</td>
<td>Bonus target for the user.</td>
</tr>
<tr>
<td>businessPhone</td>
<td>Business Phone of the user.</td>
</tr>
<tr>
<td>businessSegment</td>
<td>Business segment of the user</td>
</tr>
<tr>
<td>cellPhone</td>
<td>Cell phone number for the user</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>citizenship</td>
<td>Citizenship of the user.</td>
</tr>
<tr>
<td>city</td>
<td>Address City for the user.</td>
</tr>
<tr>
<td>compensationBonusEligible</td>
<td>Information about user compensation.</td>
</tr>
<tr>
<td>compensationEligible</td>
<td>Information about user compensation.</td>
</tr>
<tr>
<td>compensationReadOnly</td>
<td>Information about user compensation.</td>
</tr>
<tr>
<td>compensationSalaryEligible</td>
<td>Information about user compensation.</td>
</tr>
<tr>
<td>compensationSalaryRateType</td>
<td>Information about user compensation.</td>
</tr>
<tr>
<td>compensationSalaryRateUnits</td>
<td>Information about user compensation.</td>
</tr>
<tr>
<td>compensationStockEligible</td>
<td>Information about user compensation.</td>
</tr>
<tr>
<td>competency</td>
<td>Competency of the given user.</td>
</tr>
<tr>
<td>country</td>
<td>Country for the given user.</td>
</tr>
<tr>
<td>criticalTalentComments</td>
<td>Comments about the given user's talent.</td>
</tr>
<tr>
<td>custom01</td>
<td>Custom field.</td>
</tr>
<tr>
<td>custom02</td>
<td>Custom field.</td>
</tr>
<tr>
<td>custom03</td>
<td>Custom field.</td>
</tr>
<tr>
<td>custom04</td>
<td>Custom field.</td>
</tr>
<tr>
<td>custom05</td>
<td>Custom field.</td>
</tr>
<tr>
<td>custom06</td>
<td>Custom field.</td>
</tr>
<tr>
<td>custom07</td>
<td>Custom field.</td>
</tr>
<tr>
<td>custom08</td>
<td>Custom field.</td>
</tr>
<tr>
<td>custom09</td>
<td>Custom field.</td>
</tr>
<tr>
<td>custom10</td>
<td>Custom field.</td>
</tr>
<tr>
<td>custom11</td>
<td>Custom field.</td>
</tr>
<tr>
<td>custom12</td>
<td>Custom field.</td>
</tr>
<tr>
<td>custom13</td>
<td>Custom field.</td>
</tr>
<tr>
<td>custom14</td>
<td>Custom field.</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>custom15</td>
<td>Custom field.</td>
</tr>
<tr>
<td>dateOfBirth</td>
<td>Date of birth of the given user.</td>
</tr>
<tr>
<td>dateOfCurrentPosition</td>
<td>Date when the user was assigned current position.</td>
</tr>
<tr>
<td>dateOfPosition</td>
<td></td>
</tr>
<tr>
<td>defaultLocale</td>
<td>Default locale of the user.</td>
</tr>
<tr>
<td>department</td>
<td>Department of the user.</td>
</tr>
<tr>
<td>division</td>
<td>Division information for the user.</td>
</tr>
<tr>
<td>email</td>
<td>Email address of the user.</td>
</tr>
<tr>
<td>empId</td>
<td>Employee Id of the user.</td>
</tr>
<tr>
<td>ethnicity</td>
<td>Ethnicity information of the user.</td>
</tr>
<tr>
<td>fax</td>
<td>Fax number for the user.</td>
</tr>
<tr>
<td>finalJobCode</td>
<td>Job code for the user.</td>
</tr>
<tr>
<td>finalJobFamily</td>
<td>Job family information for the user.</td>
</tr>
<tr>
<td>finalJobRole</td>
<td>Job role for the user.</td>
</tr>
<tr>
<td>firstName</td>
<td>First name of the user.</td>
</tr>
<tr>
<td>futureLeader</td>
<td></td>
</tr>
<tr>
<td>hireDate</td>
<td>Hire date for the user.</td>
</tr>
<tr>
<td>homePhone</td>
<td>Home phone number for the user.</td>
</tr>
<tr>
<td>impactOfLoss</td>
<td>Loss impact of the user.</td>
</tr>
<tr>
<td>impactOfLossComments</td>
<td>Comments about loss impact of the user.</td>
</tr>
<tr>
<td>issueComments</td>
<td></td>
</tr>
<tr>
<td>jobCode</td>
<td>Job code for the user position.</td>
</tr>
<tr>
<td>jobFamily</td>
<td>Job family for the user position.</td>
</tr>
<tr>
<td>jobLevel</td>
<td>Job level for the user position.</td>
</tr>
<tr>
<td>jobRole</td>
<td>Job role for the user position.</td>
</tr>
<tr>
<td>jobTitle</td>
<td>Job title for the user position.</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>keyPosition</td>
<td>User information.</td>
</tr>
<tr>
<td>lastModified</td>
<td>User information.</td>
</tr>
<tr>
<td>lastModifiedDateTime</td>
<td>The date and time, with time zone information when the user information was last modified.</td>
</tr>
<tr>
<td>lastName</td>
<td>User information.</td>
</tr>
<tr>
<td>lastReviewDate</td>
<td>User information.</td>
</tr>
<tr>
<td>level</td>
<td>User information.</td>
</tr>
<tr>
<td>localCurrencyCode</td>
<td>User information.</td>
</tr>
<tr>
<td>location</td>
<td>User information.</td>
</tr>
<tr>
<td>lumpsum2Target</td>
<td>User information.</td>
</tr>
<tr>
<td>lumpsumTarget</td>
<td>User information.</td>
</tr>
<tr>
<td>married</td>
<td>User information.</td>
</tr>
<tr>
<td>matrixManaged</td>
<td>User information.</td>
</tr>
<tr>
<td>meritEffectiveDate</td>
<td>User information.</td>
</tr>
<tr>
<td>meritTarget</td>
<td>User information.</td>
</tr>
<tr>
<td>mi</td>
<td>User information.</td>
</tr>
<tr>
<td>minority</td>
<td>User information.</td>
</tr>
<tr>
<td>nationality</td>
<td>User information.</td>
</tr>
<tr>
<td>newToPosition</td>
<td>User information.</td>
</tr>
<tr>
<td>nickname</td>
<td>User information.</td>
</tr>
<tr>
<td>objective</td>
<td>User information.</td>
</tr>
<tr>
<td>origHireDate</td>
<td>User information.</td>
</tr>
<tr>
<td>password</td>
<td>User information.</td>
</tr>
<tr>
<td>payGrade</td>
<td>User information.</td>
</tr>
<tr>
<td>performance</td>
<td>User information.</td>
</tr>
<tr>
<td>potential</td>
<td>User information.</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>------------------------------------------------</td>
</tr>
<tr>
<td>promotionAmount</td>
<td>User information.</td>
</tr>
<tr>
<td>raiseProrating</td>
<td>User information.</td>
</tr>
<tr>
<td>reasonForLeaving</td>
<td>User information.</td>
</tr>
<tr>
<td>reloComments</td>
<td>User information.</td>
</tr>
<tr>
<td>reloLocation</td>
<td>User information.</td>
</tr>
<tr>
<td>reloWilling</td>
<td>User information.</td>
</tr>
<tr>
<td>reviewFreq</td>
<td>User information.</td>
</tr>
<tr>
<td>riskOfLoss</td>
<td>User information.</td>
</tr>
<tr>
<td>salary</td>
<td>User information.</td>
</tr>
<tr>
<td>salaryBudgetExtra2Percentage</td>
<td>User information.</td>
</tr>
<tr>
<td>salaryBudgetExtraPercentage</td>
<td>User information.</td>
</tr>
<tr>
<td>salaryBudgetFinalSalaryPercentage</td>
<td>User information.</td>
</tr>
<tr>
<td>salaryBudgetLumpsumPercentage</td>
<td>User information.</td>
</tr>
<tr>
<td>salaryBudgetMeritPercentage</td>
<td>User information.</td>
</tr>
<tr>
<td>salaryBudgetPromotionPercentage</td>
<td>User information.</td>
</tr>
<tr>
<td>salaryBudgetTotalRaisePercentage</td>
<td>User information.</td>
</tr>
<tr>
<td>salaryLocal</td>
<td>User information.</td>
</tr>
<tr>
<td>salaryProrating</td>
<td>User information.</td>
</tr>
<tr>
<td>salutation</td>
<td>User information.</td>
</tr>
<tr>
<td>seatingChart</td>
<td>User information.</td>
</tr>
<tr>
<td>serviceDate</td>
<td>User information.</td>
</tr>
<tr>
<td>ssn</td>
<td>User information.</td>
</tr>
<tr>
<td>state</td>
<td>User information.</td>
</tr>
<tr>
<td>status</td>
<td>User information. Supports support the use of &quot;t / f / T / F&quot; or &quot;active / inactive / active_external / inactive_external&quot; as the values.</td>
</tr>
<tr>
<td>stockBudgetOptionAmount</td>
<td>User information.</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>------------------------------------</td>
</tr>
<tr>
<td>stockBudgetOther1Amount</td>
<td>User information.</td>
</tr>
<tr>
<td>stockBudgetOther2Amount</td>
<td>User information.</td>
</tr>
<tr>
<td>stockBudgetOther3Amount</td>
<td>User information.</td>
</tr>
<tr>
<td>stockBudgetStockAmount</td>
<td>User information.</td>
</tr>
<tr>
<td>stockBudgetUnitAmount</td>
<td>User information.</td>
</tr>
<tr>
<td>suffix</td>
<td>User information.</td>
</tr>
<tr>
<td>sysCostOfSource</td>
<td>User information.</td>
</tr>
<tr>
<td>sysSource</td>
<td>User information.</td>
</tr>
<tr>
<td>sysStartingSalary</td>
<td>User information.</td>
</tr>
<tr>
<td>talentPool</td>
<td>User information.</td>
</tr>
<tr>
<td>timeZone</td>
<td>User information.</td>
</tr>
<tr>
<td>title</td>
<td>User information.</td>
</tr>
<tr>
<td>username</td>
<td>User information.</td>
</tr>
<tr>
<td>veteranDisabled</td>
<td>User information.</td>
</tr>
<tr>
<td>veteranMedal</td>
<td>User information.</td>
</tr>
<tr>
<td>veteranProtected</td>
<td>User information.</td>
</tr>
<tr>
<td>veteranSeparated</td>
<td>User information.</td>
</tr>
<tr>
<td>zipCode</td>
<td>User information.</td>
</tr>
</tbody>
</table>
Navigation Properties

Table 74:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>customManager</td>
<td>Navigation property for User entity.</td>
</tr>
<tr>
<td>empInfo</td>
<td>Navigation property for User entity.</td>
</tr>
<tr>
<td>Hr</td>
<td>Navigation property for User entity.</td>
</tr>
<tr>
<td>Manager</td>
<td>Navigation property for User entity.</td>
</tr>
<tr>
<td>matrixManager</td>
<td>Navigation property for User entity.</td>
</tr>
<tr>
<td>proxy</td>
<td>Navigation property for User entity.</td>
</tr>
<tr>
<td>secondManager</td>
<td>Navigation property for User entity.</td>
</tr>
<tr>
<td>competencyRatingNav</td>
<td>Navigation property for User entity.</td>
</tr>
<tr>
<td>directReports</td>
<td>These five properties do not have separate field permissions in the RBP role. They always be show up in pairs. For example, once ‘Manager’ permission is checked, then directReports for that user are visible to the user as well. The relationship are:</td>
</tr>
<tr>
<td>hrReports</td>
<td>• Manager - directReports</td>
</tr>
<tr>
<td>secondReports</td>
<td>• Hr – hrReports</td>
</tr>
<tr>
<td>customReports</td>
<td>• Second Manager – secondReports</td>
</tr>
<tr>
<td>matrixReports</td>
<td>• Custom Manager – customReports</td>
</tr>
<tr>
<td></td>
<td>• Matrix Manager – matrixReports</td>
</tr>
</tbody>
</table>
Use Cases

Table 75:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>http://&lt;hostname&gt;/odata/v2/User?$filter=manager/userId eq 'xxx'</td>
<td>Query for direct reports of a manager</td>
</tr>
<tr>
<td>http://&lt;hostname&gt;/odata/v2/User?$filter=lastModified &gt; 'time format as 2000-12-12T12:00'</td>
<td>Query for changes in the last 24 hours (delta extracts)</td>
</tr>
</tbody>
</table>

5.11.1 Business Rules for API Based File Transfers

This section describes business rules for API based file transfers.

Introduction

- The system has a base set of fields that are required, including the following: externalId, username and status. In addition to these fields, your system can be configured to require additional fields. These fields can be used in the system for reporting and managing security.
- If a field will not be populated, do not include that field in the API feed or the import file. If a field is included in either the API or the import file, and the field is blank (or if it is listed as null in the API) it will wipe out what is already in the database. Omit the field if you don’t want to update it.

Rules for Strings

- All String field values are case sensitive. For example, if the username uses mixed case letters, the logon process will require that it be entered in mixed case.
- Data placed in the Department, Division, and Location fields are string values. They may contain a code or text name. The value entered will appear in drop-down menus.
- Field label values are limited to 100 characters. Field labels in the API are viewed through the describeEx() metadata, and are presented in the locale of the API user. In the file imports or exports, the field label values are presented as the second line header row. The field label values cannot be modified through the API or through the file feeds. The field label values are localizable, and are configured through a separate system setup process.
- Most string field data values are limited to 255 characters.
Rules for Fields

- The **username** field must use a unique name of each user. The name is used as the logon ID value and is visible in a variety of places to all end users. Because of its visibility, **username** must not contain confidential data, such as a social security number. Unlike **externalUserId**, this value can be updated if needed, (for example, a name change), provided the name is unique. Most customers choose to use the same **username** they use for their local network or email application.

- The **externalId** field must be unique for each user, and is used as a system field to link records. Its value is visible in a variety of places to all end users. Because of its visibility, **externalId** must not contain confidential data, such as social security number. This value must be passed with each employee data record during each upload. Take care in selecting this value because it this is a permanent decision. This value cannot be changed once set.

- Because the **jobCode** field is a string and is case sensitive, it must match exactly the case sensitivity of job codes designated for job roles. In Admin Tools, see [Families and Roles - Managing Competencies and Skills](#). The **jobCode** determines competency mapping, which allows competencies to be populated on forms and worksheets based on the value in the **jobCode** field. If the company is using job profiles, the value entered in this column will determine what set of competencies will be displayed on the appraisal form for that employee. This value may be the actual job code from the HRIS or a derived code. Many customers will choose to combine job codes into broad employee groups to make it easier to administrate competency sets that are common across roles in the same group. This decision should be made by the implementation team and based on the process involved.

- The **hireDate** field is used in for display purposes and to initiate an automatic form creation for a user. The value in the **hireDate** field does not have to be the actual hire date and may be a date derived from the HRIS system (for example, hire date + 90 days, last review date - 60 days, and so on), used to determine when a new document will be created for this employee. The system can be set to automatically generate a new form for this employee based on the month/day combination of this field value. For example, if Jim’s hire date is 03/02/2002, the system can be set to automatically create a new appraisal form for Jim each March 2nd.

- The “**Country**” field can determine which of several possible Privacy Consent Statements will be presented to a new user. If the Privacy Consent feature is enabled, when users log in to the system the very next time, they will be directed to the data consent page - which can vary depending on the **COUNTRY** field. Users can then choose to accept or decline the terms presented. Use the names specified in the Country List at the end of this document.

- The **defaultLocale** field is not typically required. If present, **defaultLocale** will determine the languages experienced by the users (one language per user). Users can specify their locale preferences in the user options.

- The **timeZone** field is recommended for internal time/date stamps used in the User Entity. If a **timeZone** value is not loaded, the field will be automatically populated with a default of Eastern Standard Time. Records may be set to one value (For example, the. time zone for the corporation headquarters) instead of different zones for each employee. To have the system automatically adjust for daylight savings time, use the time zone ID from the section on supported time zones instead of the three-letter abbreviation.

Rules for Administration

- The ability for the employee to edit data that’s loaded into the employee record (on the **Personal Information** screen) is an option defined during initial set-up. We strongly recommend that edit permissions be disabled for any values you are importing from your HRIS system. This is necessary to maintain the sync of data with the
HRIS. If a field is editable in the user interface, and you also import this field from your HRIS, any edits a user has made in the user interface will be overwritten by the next data load from the HRIS.

- The individual fields in the employee record can also be hidden during the initial setup so they will not display in the Personal Information screen. This means that the data transferred from the HRIS and associated with each individual can be used by more than one process, but the data won’t be displayed on the Personal Information when accessed by the employee.

- If the Department, Division or Location fields are not used, do not include them in the import file. The system will automatically assign N/A values in these fields. Security and report filtering settings are tied to these values. Having a common value such as N/A entered in those fields allows for the broadest reporting access to the data. Leaving it blank will limit reporting and security capabilities.

- You can define more custom fields to import additional information (FLSA code, and others) using what Userinfo custom fields. However, this data does not appear anywhere in the system, other than in the Employee Profile or in custom fields in a form. This data can also be used in the Employee Scorecard and Organization Chart. For more information, see [add link to topic].

- For both the Manager and Custom Manager hierarchies, the individual at the top of the employee hierarchy (for example, the CEO) must have the value of NO_MANAGER (in all caps) listed in the managerExternalId field, so that the system knows how to treat this individual in the routing chain. This value must be exactly NO_MANAGER. Other values, such as NO_MGR will fail.

- Because the data load validation process validates the managerExternalId and hrExternalId against the existing database, it is strongly recommended that new employees be added to the beginning of the data load file. This will allow the new employee to be loaded first in case the new employee is a manager or HR representative referenced later in the data file. This will improve processing speed.

### Employee Relation Fields

There are five user-to-user relationship types that can be used to manage security, workflows, and reporting:

1. The Manager relationship creates the employee hierarchy. Loops are prevented (meaning a manager cannot report to themselves). Each employee must have a valid manager. Upon data load, the tool checks that each employee has a valid manager listed in their data record. This validation check is executed against the employees held within the SuccessFactors HCM Suite database. Therefore, the manager for each user record must refer to another existing user in the database. Because this validation is done within a single API batch operation, you can insert new records for both an employee and their manager in a single API batch call. The manager can be set through two API fields:
   - The managerExternalId field maps to the externalId of the User record for the employee’s manager
   - The managerId field, which maps to the id field of the manager, which is an internal id value. As a best practice, for simplicity we suggest using the managerExternalId instead of supplying both values.

2. The HR Manager relationship lets you apply security settings to allow the HR manager to access the user. The HR Manager is not enforced as a hierarchy. The HR manager can be set through two API fields:
   - The hrExternalId field maps to the externalId of the HR manager Entity.
   - The hrId field which maps to the id field of the HR manager Entity, which is an internal id value.

   **Note**

   As a best practice, for simplicity we suggest using the hrExternalId instead of supplying both values.

3. The Second Manager relationship is another employee hierarchy, and loops are prevented (a manager cannot report to himself). This is typically used in compensation planning processes to freeze the hierarchy at a point
in time from daily changes, usually to allow a focal review process against an unchanging employee hierarchy. The API provides only one field for this relationship, the `secondManagerExternalId` field, which maps to the `externalId` of the user record for the second manager.

4. The Matrix Manager and Custom Manager relationships are many-to-many, meaning a user can have multiple matrix or custom managers. The fields are `matrixManagerExternalIds` and `customManagerExternalIds`, which map to the `User.externalId` values of the intended matrix and custom manager user records. The syntax for these fields is to separate the manager IDs with pipe (|) characters. For example: `gsmith624|sholmes423|smaddox666`.

**Best Practice Security Integration Recommendations**

1. The Matrix and Custom Manager relationships can also be loaded separately from the `User` Entity in the `MatrixManager` and `CustomManager` API entities. This is useful to increase performance of the loads by providing delta updates instead of full load and replace of all relationships.

2. Each of the relationships are highly useful in translating between your HRIS organizational security structures into the SuccessFactors HCM Suite system, which does not have organizational structures. In the current security capabilities, your data feeds from the HRIS will typically transfer your organizational security access into a person-to-person mapping that will be loaded into these structures. For example, if your HRIS has a department hierarchy where Dept1 contains Dept2 and Dept3, and you want to grant an HR person access to the Dept1 hierarchy, you can explode out the users that are assigned to the Dept1 HRIS hierarchy and, as the HR person who needs access to these users, you can assign each of these users to an HR Manager, Matrix Manager, or Custom Manager.

3. An alternative to using Employee relationships to translate from your HRIS organizational security structures is to use one of the `CUSTOM01-15` fields to contain structural identifiers that can group people into substructures of your HRIS organizational structures. This is a translation from your HRIS hierarchical structures into flat identifiers, or tags. For example, if your organizational structure has a hierarchy where Dept1 contains Dept2, and Dept3, and you grant users access to the Dept1 hierarchy in your HRIS, you can tag all users in this hierarchy with a value of Dept1-Hierarchy in the `CUSTOM01` field, and grant security access rules through this tag. Then, if Dept4 is added to the HRIS Dept1 hierarchy, your data feed will update the appropriate users with the Dept1-Hierarchy tag, for those who match your new Dept4 organization. You can, of course, also assign access directly to the departments field. But if new departments are added later, you will have to update security settings in SuccessFactors HCM Suite to grant access to them as well. This process will depend on how your organization is managed.
6 Role Based Permissions

The Role Based Permissions (RBP) APIs are used to enable integration with third party HRIS systems. Permission to access any of the RBP API entities and custom functions requires the user to have permission to Manage Role-Based Permissions.

The Role Based Permissions OData APIs enable you to:

- Query for a list of roles
- Query for a list of permission groups
- Create or delete a role
- Add a new permission group using named users, or criteria (dept = 1,2,3)
- Remove a user from a permission group
- Grant a role to a permission group.
- Remove a role from a permission group
- Query for a list of permitted fields in a dynamic group, and the permitted operators for each field

**Note**

It is important to note that RBP is the only permission model that is available to new customers. New customers cannot disable RBP to use legacy permissions. Existing customers, new companies of Professional Edition or free trial are not affected.

A key part of role based permissions are dynamic groups. Dynamic Groups are used to grant roles to users that are members of the dynamic group and used to define criteria about the users that are part of the group. Role based permissions also has other mechanisms to grant roles to users, through the employee hierarchy and user to user relationships like matrix manager or HR manager.

The include and exclude sections can have up to three People Pools. Each People Pool can contain one or more sets of field criteria by selecting a field from the dropdown labeled “Pick a category...”. The fields here are called ‘filter fields’, and represent attributes about a User in the system. For example, a ‘filter field’ can be “Department” and criteria can be selected such that the group can include Users whose “Department” matches “Department1” and “Department2”.
6.1 RBPRole

This entity lists the permitted roles in a Roles Based Permissions (RPB) system. You can use this entity to query the list of roles that exist in the system. The roles are only created through the user interface. You can use this API to grant a role to a user.

Permissions

Table 76:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools Set User Permissions Manage Role-Based Permission Access</td>
</tr>
</tbody>
</table>
Operations Allowed

Table 77:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUERY</td>
<td>Query a permission role.</td>
</tr>
<tr>
<td>UPSERT</td>
<td>Insert/update a permission role.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Delete a permission role.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 78:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ruleId/rules</td>
<td>RBPRule</td>
<td>This is a navigation property for the RBPRules entity. There can be many rules for a single role.</td>
</tr>
<tr>
<td>permissions</td>
<td>BasicPermission</td>
<td>This is a navigation property to basic permission entry. There can be many Basic permissions for a single role.</td>
</tr>
</tbody>
</table>

Use Cases

Table 79:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;https://&lt;hostname&gt;/odata/v2/RBPRole(1)?$format=json&amp;$expand=rules&gt;</td>
<td>List rules for a given role.</td>
</tr>
<tr>
<td>&lt;https://&lt;hostname&gt;/odata/v2/upsert&gt;</td>
<td>Create a new permission role. A JSON example that allows permission roles to be added is `{ &quot;__metadata&quot;: { &quot;uri&quot;: &quot;RBPRole(2501L)&quot; }, &quot;roleName&quot;: &quot;testrole3&quot;, &quot;roleDesc&quot;: &quot;testrole3&quot; } Also see RBPBasicPermission [page 84]</td>
</tr>
<tr>
<td>DELETE &lt;https://&lt;hostname&gt;/odata/v2/RBPRole(111)&gt;</td>
<td>Delete a specific role.</td>
</tr>
<tr>
<td>&lt;https://&lt;hostname&gt;/odata/v2/getUserRolesByUserId?userId='cgrant1'&gt;</td>
<td>Query permission roles whose access group includes the given user.</td>
</tr>
</tbody>
</table>
6.2 RBPRule

This entity represents rules in the Role Based Permissions system. You can use this entity to query the list of rules for a given role or to list rules across all roles. You can use this entity to insert a new rule or update an existing role.

Permissions

Table 80:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to [Admin Tools] &gt; [Set User Permissions] &gt; [Manage Role-Based Permission Access]</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 81:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUERY</td>
<td>You can query on the RBPRole entity and expand on the RBPRole.rules property to see the list of rules in a role. You can query the RBPRule entity to see the list of rules for all of the roles or you can filter the RBPRule.roles/roleId property to see which roles are limited to a specific RBPRole.</td>
</tr>
<tr>
<td>UPSERT/POST</td>
<td>You can insert or update a new rule using the upsert operation. You will have to specify the ruleId for the rule you want to update. If you do not specify a ruleId, a new rule will be created. Note that you must specify the parent RBPRole through the navigation property RBPRule.roles/roleId.</td>
</tr>
<tr>
<td>DELETE</td>
<td>You can delete the RBP rule that is related to a role using the delete operation.</td>
</tr>
</tbody>
</table>

Properties

Table 82:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ruleId</td>
<td>This is an internal key value is set by the system. It cannot be modified.</td>
</tr>
<tr>
<td>accessGroupLevel</td>
<td>Allows you to include the managers of the access group, up to the levels specified. Allowable values are 1,2,3 and 32767 (32767 means all level above)</td>
</tr>
<tr>
<td>targetGroupLevel</td>
<td>Allows you to include the managers of the access group, up to the levels specified. Allowable values are 1,2,3 and 32767 (32767 means all level above)</td>
</tr>
<tr>
<td>excludeSelf</td>
<td>Setting this property to True prevents the user from including him or herself from the target population of this rule.</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>-----------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>includeSelf</td>
<td>Setting this property to True allows the user to include him or herself as a part of the target population of this rule.</td>
</tr>
<tr>
<td>myFilter</td>
<td>This property allows you to set a rule where the target population criteria is a value that matches the specified field value of the granted user. For example, you can set the target user population to all users that match the granted user’s DEPARTMENT field. Accepted values for myFilter are: DEPARTMENT, DIVISION, LOCATION, and CUSTOM01-15.</td>
</tr>
</tbody>
</table>
| relationRole  | The property allows you to specify the rule through a pre-defined employee relationship. This property can take the following values:  
  - EM: Manager  
  - EH: HR Manager  
  - EX: Matrix Manager  
  - EA: Second Manager  
  - EC: Custom Manager  
  - GA_HOME: Global Assignment Home Manager  
  - GA_HOST: Global Assignment Host Manager  
  - GA_HOME_HR: Global Assignment Home HR Manager  
  - GA_HOST_HR: Global Assignment Host HR Manager |
| status        | The status is set to active by default if a value is not specified when a rule is created, or the status can be set to inactive. Inactive rules allow you to deactivate a rule without deleting it. |

### Navigation Properties

Table 83:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>accessGroups/groupID</td>
<td>DynamicGroup</td>
<td>A navigation property that lists the access groups assigned to this role.</td>
</tr>
<tr>
<td>roles/roleId</td>
<td>RBPRole</td>
<td>A navigation property that links backwards to the role(s) that use this rule.</td>
</tr>
<tr>
<td>targetGroups/groupID</td>
<td>DynamicGroup</td>
<td>A navigation property that lists the target groups assigned to this role.</td>
</tr>
</tbody>
</table>

### Use Cases

Table 84:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>http://&lt;hostname&gt;/odata/v2/RBPRule(1)?$format=json&amp;$expand=roles</td>
<td>List roles for a rule.</td>
</tr>
</tbody>
</table>
Code Examples

Upsert a new rule using POST. Sample Request body is shown below:

```json
{
    "__metadata": {
        "uri": "RBPRule"
    },
    "accessGroupLevel": 0,
    "targetGroupLevel": 0,
    "myFilter": "",
    "includeSelf": false,
    "excludeSelf": false,
    "relationRole": "null",
    "status": "1",
    "accessGroups": {
        "__metadata": {
            "uri": "DynamicGroup(2679)"
        }
    },
    "targetGroups": {
        "__metadata": {
            "uri": "DynamicGroup(2679)"
        }
    },
    "roles": {
        "__metadata": {
            "uri": "RBPRole(1822)"
        }
    }
}
```

6.3 DynamicGroup

This entity allows you to query and update information about the DynamicGroup.

Permissions

Table 85:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Set User Permissions &gt; Manage Role-Based Permission Access</td>
</tr>
</tbody>
</table>
Operations Allowed

Table 86:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUERY</td>
<td>Queries directly on the DynamicGroup entity result in a simple list of DynamicGroup definitions in the system, without having to retrieve the fully expanded group definition structure. Navigation properties cannot be expanded. You must use the following custom functions to enable an expanded structure:</td>
</tr>
<tr>
<td></td>
<td>● getExpandedDynamicGroupById</td>
</tr>
<tr>
<td></td>
<td>● getExpandedDynamicGroupByName</td>
</tr>
<tr>
<td>UPSERT</td>
<td>You can replace a dynamic group by providing a fully expanded entity that includes a complete dynamic group definition. The groupType property is mandatory in the POST body of an upsert.</td>
</tr>
</tbody>
</table>

**Note**

When updating user information via user import tool, Manage Employee application or using an OData API call, dynamic groups are refreshed asynchronously, in a separate job. This allows the user import request to be completed in a timely manner.

Properties

Table 87:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>groupId</td>
<td>This is an internal key value that will be set by the system. It cannot be modified.</td>
</tr>
<tr>
<td>groupName</td>
<td>This is a user provided name for the group.</td>
</tr>
<tr>
<td>groupType</td>
<td>The supported group types for RBP are &quot;permission&quot; and &quot;ectworkflow (only query function is supported for this group type). The groupType property is mandatory in the POST body of an upsert.</td>
</tr>
<tr>
<td>activeMembershipCount</td>
<td>This is a count of the total active users that match the group definition criteria.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>This is the The timestamp of the last modification to the group definition.</td>
</tr>
</tbody>
</table>
Navigation Properties

Table 88:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>dgExcludePools/peoplePoolId</td>
<td>DGPeoplePool</td>
<td>This navigation property is a list of the people pools that make up the exclude rules. There can be a maximum of three exclude pools. Users that match the exclude pools criteria are guaranteed to be excluded from the group definition. Dynamic groups first evaluate all members in the include pools, and then remove all members found in the exclude pools.</td>
</tr>
</tbody>
</table>

| dgIncludePools/peoplePoolId | DGPeoplePool | This navigation property is a list of the people pools that make up the include rules. There can be a maximum of three include pools. |

Use Cases

Table 89:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>https://&lt;hostname&gt;/odata/v2/DynamicGroup? $format=json&amp;$filter = username eq 'cgrant'</td>
<td>Query a Dynamic Group with username as a filter field, set to &quot;cgrant&quot;.</td>
</tr>
<tr>
<td>https://&lt;hostname&gt;/odata/v2/DynamicGroup? $filter=groupType eq 'permissionGroup'</td>
<td>Query a Dynamic Group for all permission groups.</td>
</tr>
</tbody>
</table>

Code Examples

The following is an example for upserting a dynamic group:

Request: POST /odata/v2/upsert

Request Body:

```json
{
  "__metadata": {
    "uri": "DynamicGroup"
  },
  "groupName": "Division-Industries20",
  "groupType": "permission",
  "dgIncludePools": {
    "__metadata": {
      "uri": "DGPeoplePool"
    },
    "filters": [
```
6.4 DGPeoplePool

This entity represents a people pool definition.

Permissions

Table 90:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools Set User Permissions Manage Role-Based Permission Access</td>
</tr>
</tbody>
</table>
Operations Allowed

Table 91:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUERY</td>
<td>Query using the following custom functions and you can get DGPeoplePool in ‘Custom Functions’ field:</td>
</tr>
<tr>
<td></td>
<td>● getExpandedDynamicGroupById</td>
</tr>
<tr>
<td></td>
<td>● getExpandedDynamicGroupByName</td>
</tr>
<tr>
<td></td>
<td>● getExpandedDynamicGroupByNameAndSubType</td>
</tr>
<tr>
<td>UPSERT(POST)</td>
<td>Insert using an expanded insert or a replace operation on the DynamicGroup entity.</td>
</tr>
</tbody>
</table>

Properties

Table 92:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>peoplePoolId</td>
<td>An internal key value that is set by the system. It cannot be modified.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 93:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>filters/filterId</td>
<td>DGFilter</td>
<td>A navigation property that lists the filter fields used in this people pool definition.</td>
</tr>
</tbody>
</table>

6.5 DGFilter

This entity represents filters for a given people pool.

Permissions

Table 94:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to [Admin Tools ➤ Set User Permissions ➤ Manage Role-Based Permission Access]</td>
</tr>
</tbody>
</table>
Operations Allowed

Table 95:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUERY</td>
<td>Query using the following custom functions and you can get DGFilter in &quot;Custom Functions' field&quot;:</td>
</tr>
<tr>
<td></td>
<td>● getExpandedDynamicGroupById</td>
</tr>
<tr>
<td></td>
<td>● getExpandedDynamicGroupByName</td>
</tr>
<tr>
<td></td>
<td>● getExpandedDynamicGroupByNameAndSubType</td>
</tr>
<tr>
<td>UPSERT(POST)</td>
<td>Insert using an expanded insert or a replace operation on the DynamicGroup entity.</td>
</tr>
</tbody>
</table>

Properties

Table 96:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>filterId</td>
<td>This is an internal key value that will be set by the system. It cannot be modified.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 97:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>expressions/expressionID</td>
<td>DGExpression</td>
<td>A navigation property that defines the logical expression associated attached to this filter.</td>
</tr>
<tr>
<td>field/name</td>
<td>DGField</td>
<td>A navigation property that lists all of the allowable fields can be used as filters for Dynamic Group people pools in your instance.</td>
</tr>
</tbody>
</table>
6.6 DGExpression

This entity represents an expression in the selection criteria for group members.

Permissions

Table 98:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to [Admin Tools] [Set User Permissions] [Manage Role-Based Permission Access]</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 99:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
</table>
| QUERY            | Query using the following custom functions and you can get DGExpression in 'Custom Functions' field:  
  - getExpandedDynamicGroupById  
  - getExpandedDynamicGroupByName  
  - getExpandedDynamicGroupByNameAndSubType |
| UPSERT(POST)     | Insert using an expanded insert or a replace operation on the DynamicGroup entity. |

Properties

Table 100:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>expressionID</td>
<td>This is an internal key value that is set by the system. It cannot be modified.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 101:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>operator/token</td>
<td>DGFieldOperator</td>
<td>This navigation property represents the DGOperator entity</td>
</tr>
<tr>
<td>Navigation Property</td>
<td>Related Entity</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------</td>
<td>----------------</td>
<td>-------------</td>
</tr>
<tr>
<td>values/fieldValue</td>
<td>DGFieldValue</td>
<td>This navigation property contains the list of values in the expression.</td>
</tr>
</tbody>
</table>

### 6.7 DGField

This entity lists fields that are enabled for use as filters when defining dynamic groups.

#### Permissions

Table 102:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Set User Permissions &gt; Manage Role-Based Permission Access</td>
</tr>
</tbody>
</table>

#### Operations Allowed

Table 103:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUERY</td>
<td>Query a given DGField.</td>
</tr>
</tbody>
</table>

#### Properties

Table 104:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>This is an internal key value that is set by the system. It cannot be modified. These values are typically property names in the User entity. They identify the user property that is used to filter against.</td>
</tr>
</tbody>
</table>
| dataType | This is the field data type for this field. The following values are allowed:  
  - String  
  - Date  
  - Number  
  - Boolean |
| label    | This is a localized label for this field, in the locale of the API user. |
### Property Description

| picklistId | If not null, this DGField is picklisted with the id contained in this field. Then the values in DGFieldValue object are ids from the PicklistOption entity. |

### Navigation Properties

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>allowedOperators/token</td>
<td>DGFieldOperator</td>
<td>This is a navigation property to the allowable operators on this field.</td>
</tr>
</tbody>
</table>

### Use Cases

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>http://&lt;hostname&gt;/odata/v2/DGField('std_hireDate')? DGField('std_hireDate')? $expand=allowedOperators</td>
<td>Get DGField and expand the supported DGField operators.</td>
</tr>
</tbody>
</table>

### 6.8 DGFieldValue

An entity that describes field values for an expression.

### Permissions

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td><img src="#" alt="Admin Tools" /> <img src="#" alt="Set User Permissions" /> <img src="#" alt="Manage Role-Based Permission Access" /></td>
</tr>
</tbody>
</table>

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Operations Allowed

Table 108:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
</table>
| QUERY     | Query using the following custom functions and you can get DGFieldValue in 'Custom Functions' field:  
  - getExpandedDynamicGroupById  
  - getExpandedDynamicGroupByName  
  - getExpandedDynamicGroupByNameAndSubType |
| UPSERT(POST) | Insert using an expanded insert or a replace operation on the DynamicGroup entity. |

Properties

Table 109:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>fieldValue</td>
<td>This the user supplied field value used in an expression within a filter</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 110:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>fieldValuePickListOption/id</td>
<td>PicklistOption</td>
<td>DGField is picklisted with the id contained in the DGField.picklistId field. The values in DGFieldValue object are ids from the PicklistOption entity.</td>
</tr>
</tbody>
</table>
6.9 DGFieldOperator

An entity that describes the operator for a dynamic group field.

Permissions

Table 111:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Admin Tools » Set User Permissions » Manage Role-Based Permission Access</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 112:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Query using custom functions</td>
<td>Query using the following custom functions:</td>
</tr>
<tr>
<td></td>
<td>- getExpandedDynamicGroupById</td>
</tr>
<tr>
<td></td>
<td>- getExpandedDynamicGroupByName</td>
</tr>
<tr>
<td></td>
<td>- getExpandedDynamicGroupByNameAndSubType</td>
</tr>
<tr>
<td>Query for allowed operators</td>
<td>Query for allowed operators for a field when defining an expression. Query on the DGField entity and expand the allowableOperators navigation property as follows: / odata/v2/DGField?$expand=allowableOperators.</td>
</tr>
<tr>
<td>UPSERT(POST)</td>
<td>Insert using an expanded insert or a replace operation on the DynamicGroup entity.</td>
</tr>
</tbody>
</table>

Properties

Table 113:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>token</td>
<td>A token to represent the operator. Examples include “=”,”!”, “&lt;”, “&gt;”, etc.</td>
</tr>
<tr>
<td>label</td>
<td>A localized label for this operator, in the locale of the API user. Example includes “equals”, “not equals”, etc.</td>
</tr>
</tbody>
</table>
6.10 RBPBasicPermission

This entity is a wrap of Permission table in the database.

Permissions

Table 114:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools, Set User Permissions, Manage Role-Based Permission Access</td>
</tr>
</tbody>
</table>

Operations Allowed

For query and upsert permissions, only those permissions that exist in the RBP Model and permission table are supported.

Table 115:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUERY</td>
<td>Query a permission.</td>
</tr>
<tr>
<td>POST</td>
<td>Set a permission.</td>
</tr>
</tbody>
</table>

Properties

Table 116:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>permissionID</td>
<td>(Key)Permission Id, the sequence id in permission table.</td>
</tr>
<tr>
<td>permissionType</td>
<td>Permission_Type column</td>
</tr>
<tr>
<td>permissionStringValue</td>
<td>Permission_string_value column</td>
</tr>
<tr>
<td>permissionLongValue</td>
<td>Permission_long_value column</td>
</tr>
</tbody>
</table>

Code Examples

Get permissions for a given RBPRole Id

Request: <hostname>/odata/v2/RBPRole(82)?$expand=permissions
Response:

```json
{
    "d": {
        "__metadata": {
            "uri": "https://localhost:443/odata/v2/RBPRole(82L)",
            "type": "SFOData.RBPRole"
        },
        "roleId": "82",
        "roleDesc": null,
        "lastModifiedBy": "admin",
        "lastModifiedDate": "\Date(1404299328000)\",
        "roleName": "Test Role insert",
        "permissions": [
            {
                "__metadata": {
                    "uri": "https://localhost:443/odata/v2/RBPBasicPermission(60L)",
                    "type": "SFOData.RBPBasicPermission"
                },
                "permissionId": "60",
                "permissionType": "user_admin",
                "permissionStringValue": "change_info_user_admin",
                "permissionLongValue": -1,
            }
        ]
    }
}
```

Set permission for a specific role:

**Request:** `Request:<hostname>/odata/v2/upsert`

**Post Body:**

```json
{
    "__metadata": {
        "uri": "RBPRole"
    },
    "roleName": "TestRole",
    "roleDesc": "TestRole",
    "permissions": {
        "__metadata": {
            "uri": "RBPBasicPermission(55)"
        }
    }
}
```

Another example of setting a specific permission role:

```json
{
    "__metadata": {
        "uri": "RBPRole(1941L)"
    },
    "roleName": "jdm02",
    "roleDesc": "",
    "permissions": [
        {
            "__metadata": {
                "uri": "RBPBasicPermission(82)"
            }
        },
        {
            "__metadata": {
                "uri": "RBPBasicPermission(5432)"
            }
        }
    ]
}
```
6.11 Custom Functions

The RBP APIs provide custom functions for querying and editing the expanded Dynamic Group entities in a single nested data structure that follows the data model.

The RBP API does not support operations on child entities of the DynamicGroup parent entity, with the exception of the DGField entity. Instead these entities are accessed in the context of the parent DynamicGroup entity using custom operations described here.

Table 117: Custom Functions for Dynamic Groups

<table>
<thead>
<tr>
<th>Function</th>
<th>Parameter(s)</th>
<th>Return Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>getExpandedDynamicGroupById</td>
<td>groupId (String)</td>
<td>DynamicGroup</td>
<td>Returns the expanded DynamicGroup child entities for the group identified by the groupId. Only groups defined by filters with fields listed below are supported.</td>
</tr>
<tr>
<td>getExpandedDynamicGroupByName</td>
<td>groupName (String)</td>
<td>DynamicGroup</td>
<td>Returns the expanded DynamicGroup child entities for the group(s) identified by groupName. Note that groupName is not guaranteed to be unique, so this method can return more than one DynamicGroup parent object.</td>
</tr>
<tr>
<td>getUserRolesByUserId</td>
<td>userId (String)</td>
<td>PermissionRoles</td>
<td>Returns permission role list for a specific user.</td>
</tr>
<tr>
<td>upsert</td>
<td></td>
<td>Updated or added DynamicGroup</td>
<td>Returns a new or updated Dynamic Group. This is a POST action, with no parameters for this custom function. Data is passed in the post body as JSON format, which is the group definition. Sample group definition is show below:</td>
</tr>
<tr>
<td>getExpandedDynamicGroupByNameAndSubType</td>
<td>group-Name(String) or group-Type(String)</td>
<td>permission group or ect-workflow group</td>
<td>Returns the expanded permission group child entities for the group identified by the groupName and groupType</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Function</th>
<th>Parameter(s)</th>
<th>Return Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>updateStaticGroup</td>
<td>group-Name(String) &lt;br&gt;action ( takes values &quot;add&quot; or &quot;remove&quot; ) &lt;br&gt;UserId list (use first for duplicate and ignore incorrect UserId data)</td>
<td>Add or remove a static group. Returns the number of added or removed by using the function import.</td>
<td>Creates, removes or updates a static permission group. The behavior is similar to Delta Update of Import Static Permission Group Function. &lt;br&gt;<a href="https://example.com/odata/v2/updateStaticGroup?groupId=1234L&amp;action='add'&amp;userIds='cgrant1">https://example.com/odata/v2/updateStaticGroup?groupId=1234L&amp;action='add'&amp;userIds='cgrant1</a>' &lt;br&gt;<a href="https://example.com/odata/v2/updateStaticGroup?groupId=1234L&amp;action='remove'&amp;userIds='cgrant1">https://example.com/odata/v2/updateStaticGroup?groupId=1234L&amp;action='remove'&amp;userIds='cgrant1</a>'</td>
</tr>
<tr>
<td>Function</td>
<td>Parameter(s)</td>
<td>Return Type</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------</td>
<td>-----------------------------------</td>
<td>--------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>checkUserPermission</td>
<td>accessUserId (String)</td>
<td>Boolean</td>
<td>Return true/false whether access user have permission or not.</td>
</tr>
<tr>
<td></td>
<td>permType (String)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>permStringValue</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>permLongValue (Int)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>targetUserId (String)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>includeInactiveUser (Boolean)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>includeTBHUser (Boolean)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- targetUserId is optional, when we need to specify one target user in the request, we need to add this parameter.
- If the target user is inactive, you need to also pass the includeInactiveUser parameter with its value set to true.
- If the target user is a TBH user, you need to also pass the includeTBHUser parameter with its value set to true.

**Request Samples:**

```plaintext
https://example.com/odata/v2/checkUserPermission?
accessUserId='userA'&permType='user_admin'&permStringValue='reset_account_user_admin'
&permLongValue=-1L&targetUserId='active1'

https://example.com/odata/v2/checkUserPermission?
accessUserId='userA'&permType='user_admin'&permStringValue='reset_account_user_admin'
&permLongValue=-1L&targetUserId='inactive1'&includeInactiveUser=true

https://example.com/odata/v2/checkUserPermission?
accessUserId='userA'&permType='user_admin'&permStringValue='reset_account_user_admin'
&permLongValue=-1L&targetUserId='TBH1'&includeTBHUser=true
```

**Note**

Currently, this function import does not support MDF object permission.
Supported Fields for getExpandedDynamicGroupById

Only groups defined by filters with fields listed below are supported. If your group is defined with any other field filters like Employee Central related fields or team view fields, the OData custom function will raise an error:

username, department, division, location, custom01, custom02, custom03, custom04, ... custom15, 
benchStrength, citizenship, city, country, dateOfBirth, dateOfPosition, ethnicity, futureLeader, gender, hireDate, 
impactOfLoss, jobCode, keyPosition, married, minority, nationality, newToPosition, reasonForLeaving, riskOfLoss, 
state, timeZone, title, zipCode, user

Sample JSON DynamicGroup Definition

Group with only "username" as a filter field for values of “cgrant” and “athompson”

```json
{
    "__metadata": {"uri": "DynamicGroup()"},
    "groupId": "123",
    "groupName": "Users Carla Grant and Alexander Thompson",
    "lastModifiedBy": "cgrant1",
    "activeMembershipCount": "2",
    "includePools": [
        {
            "__metadata": {"uri": "DGPeoplePool()"},
            "filters": [
                {
                    "__metadata": {"uri": "DGFilter()"},
                    "field": {
                        "__metadata": {"uri": "DGField()"},
                        "fieldName": "username",
                        "fieldDisplayLabel": "Username",
                        "fieldDataType": "String",
                        "allowedOperators": [
                            {"__metadata": "DGFieldOperator"},
                            "fieldOperatorName": "eq",
                            "fieldOperatorLabel": "=",
                        ],
                        {"__metadata": "DGFieldOperator"},
                        "fieldOperatorName": "gt",
                        "fieldOperatorLabel": ">",
                    ],
                    {"__metadata": "DGFieldOperator"},
                    "fieldOperatorName": "geq",
                    "fieldOperatorLabel": "\geq",
                },
                {"__metadata": "DGFieldOperator"},
                "fieldOperatorName": "lt",
                "fieldOperatorLabel": "<",
            ],
            {"__metadata": "DGFieldOperator"},
            "fieldOperatorName": "leq",
            "fieldOperatorLabel": "\leq",
        }
    ]
}
```
Group with “Department” as a filter field with values of “Finance” and “Sales”
"allowedOperators": [  
  {  
    "_metadata": {"uri": "DGFieldOperator"},  
    "fieldOperatorName": "eq",  
    "fieldOperatorLabel": "="  
  },  
  {  
    "_metadata": {"uri": "DGFieldOperator"},  
    "fieldOperatorName": "gt",  
    "fieldOperatorLabel": ">"  
  },  
  {  
    "_metadata": {"uri": "DGFieldOperator"},  
    "fieldOperatorName": "geq",  
    "fieldOperatorLabel": "\geq"  
  },  
  {  
    "_metadata": {"uri": "DGFieldOperator"},  
    "fieldOperatorName": "lt",  
    "fieldOperatorLabel": "<"  
  },  
  {  
    "_metadata": {"uri": "DGFieldOperator"},  
    "fieldOperatorName": "leq",  
    "fieldOperatorLabel": "\leq"  
  },  
  {  
    "_metadata": {"uri": "DGFieldOperator"},  
    "fieldOperatorName": "ne",  
    "fieldOperatorLabel": "\neq"  
  },  
  {  
    "_metadata": {"uri": "DGFieldOperator"},  
    "fieldOperatorName": "in",  
    "fieldOperatorLabel": "In"  
  }  
],  
"expressions": [  
  {  
    "_metadata": {"uri": "DGExpression()"},  
    "operator": {  
      "_metadata": {"uri": "DGFieldOperator"},  
      "fieldOperatorName": "eq",  
      "fieldOperatorLabel": "="  
    },  
    "values": [  
      {  
        "_metadata": {"uri": "DGFieldValue()"},  
        "fieldValue": "Finance"  
      }  
    ]  
  },  
  {  
    "_metadata": {"uri": "DGExpression()"},  
    "operator": {  
      "_metadata": {"uri": "DGFieldOperator"},  
      "fieldOperatorName": "eq",  
      "fieldOperatorLabel": "="  
    },  
    "values": [  
      {  
        "_metadata": {"uri": "DGFieldValue()"},  
        "fieldValue": "Sales"  
      }  
    ]  
  }  
]
"excludePools":[]
7 MDF

7.1 DataReplicationProxy

This entity contains a reference to an Employee Time Valuation Result that is replicated in other SAP systems. It filters the data already in the Employee Central system thus avoiding the necessity of a complex preselection in the middleware, later on.

Permissions

The permission settings for this entity are based on standard MDF permissions. The default security setting is delivered as “Secured”.

Table 118:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Set Read &amp; Write Permissions for the Data Replication Proxy object. The settings can be found in the permission category that has been set by the customer in the configure object definition.</td>
</tr>
<tr>
<td>User-based</td>
<td>Set Read &amp; Write Permissions for the Data Replication Proxy object. The settings can be found in the permission category that has been set by the customer in the configure object definition.</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

The data replication proxy is activated if the following features are set in provisioning:

- Payroll Integration
- Absence Management
- Time Sheet Management

Operations Allowed

Table 119:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query relevant Employee Time Valuation Results for replication to the SAP system.</td>
</tr>
</tbody>
</table>
Properties

Table 120:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>externalCode</td>
<td>ID of the data replication proxy (Auto Number)</td>
</tr>
<tr>
<td>userId</td>
<td>User ID of the entity</td>
</tr>
<tr>
<td>legalEntity</td>
<td>Current Legal Entity of the user</td>
</tr>
</tbody>
</table>
| dataReplicationProxyStatus      | Replication status of the entity:                                                                                                               OUT_OF_SYNC  
IN_SYNC      
DELETED    The replication status changes to OUT_OF_SYNC or DELETED if the Employee Time Valuation Result has changed. The confirmation message from the SAP system sets the status to IN_SYNC if replication was successful. |
| replicationTargetSystem         | Target SAP system for replication                                                                                                                                                                           |
| replicationContentType          | Type of the object for replication. The object type Employee Time Valuation Result is supported only.                                                                                                       |
| earliestReplicationDateTime     | Earliest possible replication time for replication. This ensures that replication can also be scheduled for a date in the future.                                                                            |
| useCostCenterExternalObjectId   | Flag to use the external ID of the cost center                                                                                                                                                               |
| allowReplicationCorrectionPhase | Flag to enable the replication of the proxy during the correction phase                                                                            |
| employeeTimeValuationResult     | Reference to the Employee Time Valuation Result                                                                                                                                                              |

Navigation Properties

None.

Use Cases

[If necessary, add any supplementary information about the use cases here]
Table 121:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/odata/v2/DataReplicationProxy? $filter=(earliestReplicationDateTime le datetime'currentDate' and (dataReplicationProxyStatus eq 'OUT_OF_SYNC' or dataReplicationProxyStatus eq 'DELETED') and replicationContentType eq 'EMPLOYEE_TIME_PAY_COMPONENTS' and replicationTargetSystem eq 'targetSystem')</td>
<td>The query collects all relevant data of the data replication proxy that is to be sent to one specific SAP system. The following criteria defines that a proxy is relevant for replication:</td>
</tr>
<tr>
<td></td>
<td>• earliestReplicationDateTime</td>
</tr>
<tr>
<td></td>
<td>• replicationStatus</td>
</tr>
<tr>
<td></td>
<td>• replicationContentType</td>
</tr>
<tr>
<td></td>
<td>• replicationTargetSystem</td>
</tr>
</tbody>
</table>
8 Talent

8.1 Compensation

8.1.1 Advances

8.1.1.1 AdvancesAccumulation

This entity records the accumulation of the requested advance and remaining eligibility for the user. It is not an effective dated entity in the Advances module. This entity is created when an advance is approved by the supervisor.

Permissions

Table 122:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools Manage Permission Roles Miscellaneous Permissions Assign the relevant permissions for AdvancesAccumulation.</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

- Enable Advances
- Enable Generic Objects
- Enable Deductions Management
- Effective Dated Data Platform
- Enable the Attachment Manager

Operations Allowed

Table 123:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query AdvancesAccumulation records.</td>
</tr>
</tbody>
</table>
Properties

Table 124:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>advanceType</td>
<td>Lists different types of advances.</td>
</tr>
<tr>
<td>accumulatedAmount</td>
<td>The total sum of accumulated amounts issued for a advance.</td>
</tr>
<tr>
<td>remainingEligibleAmount</td>
<td>The remaining amount that can be claimed.</td>
</tr>
<tr>
<td>numberOfOccurances</td>
<td>The number of times the advance is used.</td>
</tr>
<tr>
<td>remainingNumberOfOccurances</td>
<td>The remaining number of times the advance can be requested.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 125:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AdvancesAccumulation</td>
<td>NonRecurringPayment</td>
<td>Used to record the details of the applied advances. AdvancesAccumulation has a one-to-many association with NonRecurringPayment objects created for the advance request.</td>
</tr>
</tbody>
</table>

Use Cases

Table 126:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="https://qacand.successfactors.com/odata/v2/AdvancesAccumulation">https://qacand.successfactors.com/odata/v2/AdvancesAccumulation</a></td>
<td>Queries instances of AdvancesAccumulation.</td>
</tr>
</tbody>
</table>

Entity Metadata

```
{
  "d": {
    "_metadata": {
      "uri": "https://qacand.successfactors.com:443/odata/v2/Entity('AdvancesAccumulation')", "type": "SFOData.Entity" },
      "path": "AdvancesAccumulation", "insertable": true, "keyProperties": {
        "results": [
          {
            "businessKey": true, "filterable": true, "id": false, "inlineRequired": null,
            "insertable": true, "label": null, "maxLength": 128, "name": "externalCode",
            "path": "AdvancesAccumulation/externalCode", "picklistOptionId": null,
            "required": true, "sortable": true, "type": {
              "name": "string", "path": "string"
```
"updateable" : true, "upsertable" : true, "viewable" : true

  "name" : "decimal", "path" : "decimal"
}, "updateable" : true, "upsertable" : true, "viewable" : true

  "name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true

  "name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true

  "name" : "datetime", "path" : "datetime"
}, "updateable" : false, "upsertable" : false, "viewable" : true

  "name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true

  "name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true

  "name" : "string", "path" : "string"}
"path" : "AdvancesAccumulation/userSysIdNav", "picklistOptionId" : null,
"required" : true, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}
"effectiveDated" : false, "navigationProperties" : {
"results" : [ {
"businessKey" : false, "filterable" : true, "fromRole" : { 
"multiplicity" : { 
"name" : "MANY", "symbolString" : "*** 
}, "path" : "advanceTypeNav_of_AdvancesAccumulation/AdvancesAccumulation", "role" : 
"AdvancesAccumulation"
}, "id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, 
"maxLength" : null, "name" : "advanceTypeNav", "path" : "AdvancesAccumulation/
advanceTypeNav", "picklistOptionId" : null, "relationship" : { 
"end1" : { 
"multiplicity" : { 
"name" : "MANY", "symbolString" : "*** 
}, "path" : "advanceTypeNav_of_AdvancesAccumulation/AdvancesAccumulation", "role" : 
"AdvancesAccumulation"
}, "end2" : { 
"multiplicity" : { 
"name" : "MANY", "symbolString" : "*** 
}, "path" : "advanceTypeNav_of_AdvancesAccumulation/FOPayComponent_ref", "role" : 
"FOPayComponent_ref"
}, "insertable" : true, "name" : "advanceTypeNav_of_AdvancesAccumulation", "path" : 
"advanceTypeNav_of_AdvancesAccumulation", "updateable" : true, "upsertable" : true
}, "required" : false, "sortable" : true, "toRole" : { 
"multiplicity" : { 
"name" : "MANY", "symbolString" : "*** 
}, "path" : "advanceTypeNav_of_AdvancesAccumulation/FOPayComponent_ref", "role" : 
"FOPayComponent_ref"
}, "type" : { 
"name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, 
"businessKey" : false, "filterable" : true, "fromRole" : { 
"multiplicity" : { 
"name" : "MANY", "symbolString" : "*** 
}, "path" : "currencyGONav_of_AdvancesAccumulation/AdvancesAccumulation", "role" : 
"AdvancesAccumulation"
}, "id" : false, "inlineRequired" : null, "insertable" : true, "label" : null, 
"maxLength" : null, "name" : "currencyGONav", "path" : "AdvancesAccumulation/
currencyGONav", "picklistOptionId" : null, "relationship" : { 
"end1" : { 
"multiplicity" : { 
"name" : "MANY", "symbolString" : "*** 
}, "path" : "currencyGONav_of_AdvancesAccumulation/currencyGONav", "role" : 
"currencyGONav"
}, "end2" : { 
"multiplicity" : { 
"name" : "MANY", "symbolString" : "*** 
}, "path" : "currencyGONav_of_AdvancesAccumulation/currencyGONav", "role" : 
"currencyGONav"
}, "insertable" : true, "name" : "currencyGONav_of_AdvancesAccumulation", "path" : 
"currencyGONav_of_AdvancesAccumulation", "updateable" : true, "upsertable" : true
}, "required" : false, "sortable" : true, "toRole" : { 
"multiplicity" : { 
"name" : "MANY", "symbolString" : "*** 
}, "path" : "currencyGONav_of_AdvancesAccumulation/currencyGONav", "role" : 
"currencyGONav"
}, "type" : { 
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}, 
"businessKey" : false, "filterable" : true, "fromRole" : {
"multiplicity" : { 
"name" : "MANY", "symbolString" : "*** 
}, "path" : "currencyGONav_of_AdvancesAccumulation/FOPayComponent_ref", "role" : 
"FOPayComponent_ref"
}, "insertable" : true, "name" : "currencyGONav_of_AdvancesAccumulation", "path" : 
"currencyGONav_of_AdvancesAccumulation", "updateable" : true, "upsertable" : true
}, "required" : false, "sortable" : true, "toRole" : { 
"multiplicity" : { 
"name" : "MANY", "symbolString" : "*** 
}, "path" : "currencyGONav_of_AdvancesAccumulation/FOPayComponent_ref", "role" : 
"FOPayComponent_ref"
}, "type" : { 
"name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
} }
8.1.1.2 AdvancesEligibility

This entity is used to configure different advances that a company offers to its employees. It is also used to configure the recovery of the advance.

Permissions

Table 127:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Manage Permission Roles &gt; Admin &gt; Manage Advances &gt; Advances Eligibility</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

- Enable Advances
- Enable Generic Objects
- Enable Deductions Management
- Effective Dated Data Platform
- Enable the Attachment Manager
Operations Allowed

Table 128:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query AdvancesEligibility records.</td>
</tr>
</tbody>
</table>

Properties

Table 129:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>eligibleAmount</td>
<td>The amount the employee is permitted to request.</td>
</tr>
<tr>
<td>installmentAmount</td>
<td>The amount that is paid in defined increments.</td>
</tr>
<tr>
<td>numberOfInstallmentsEditableByEmployee</td>
<td>The number of installments from which an employee can choose.</td>
</tr>
<tr>
<td>enableAutoRecovery</td>
<td>Enables the automatic recovery of an advance payment.</td>
</tr>
</tbody>
</table>

Navigation Properties

None.

Use Cases

Table 130:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="https://qacand.successfactors.com/odata/v2/AdvancesEligibility">https://qacand.successfactors.com/odata/v2/AdvancesEligibility</a></td>
<td>Queries instances of AdvancesEligibility.</td>
</tr>
</tbody>
</table>

Entity Metadata

```json
{
  "d" : {
    "metadata" : {
      "path" : "AdvancesEligibility",
      "insertable" : true,
      "keyProperties" : {
        "businessKey" : true,
        "filterable" : true,
        "id" : false,
        "inlineRequired" : null,
        "insertable" : true,
        "label" : null,
        "maxLength" : null,
        "name" :
```
"effectiveStartDate", "path" : "AdvancesEligibility/effectiveStartDate",
"picklistOptionId" : null, "required" : true, "sortable" : true, "type" : {
"name" : "datetime", "path" : "datetime"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}, {"businessKey" : true, "filterable" : true, "id" : false, "inlineRequired" : null,
"insertable" : true, "label" : null, "maxLength" : 128, "name" : "externalCode",
"path" : "AdvancesEligibility/externalCode", "picklistOptionId" : null, "required" : true, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}
], "upsertable" : true, "name" : "AdvancesEligibility", "updatable" : true,
deletable" : true, "properties" : {
"results" : [
{"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"insertable" : false, "label" : null, "maxLength" : null, "name" : "advanceType",
"path" : "AdvancesEligibility/advanceType", "picklistOptionId" : null, "required" : true, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}, {"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"insertable" : false, "label" : null, "maxLength" : null, "name" : "advanceTypeNav",
"path" : "AdvancesEligibility/advanceTypeNav", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"insertable" : false, "label" : null, "maxLength" : null, "name" : "basePayComponentGroup",
"path" : "AdvancesEligibility/basePayComponentGroup", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"insertable" : false, "label" : null, "maxLength" : null, "name" : "basePayComponentGroupNav",
"path" : "AdvancesEligibility/basePayComponentGroupNav", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"insertable" : true, "label" : null, "maxLength" : null, "name" : "company",
"path" : "AdvancesEligibility/company", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}, {"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"insertable" : false, "label" : null, "maxLength" : null, "name" : "companyNav",
"path" : "AdvancesEligibility/companyNav", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"insertable" : false, "label" : null, "maxLength" : null, "name" : "currencyGONav",
"path" : "AdvancesEligibility/currencyGONav", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}
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8.1.1.3 NonRecurringPayment

This entity is used to register an advance that is requested by an employee.
Permissions

Table 131:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Manage Permission Roles &gt; Miscellaneous Permissions &gt; Assign the relevant permissions for NonRecurringPayment.</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

« Enter a short introductory text here »

- Enable Advances
- Enable Generic Objects
- Enable Deductions Management
- Effective Dated Data Platform
- Enable the Attachment Manager

Operations Allowed

Table 132:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query NonRecurringPayment records.</td>
</tr>
</tbody>
</table>

Properties

Table 133:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>internalId</td>
<td>The Internal ID of the entity</td>
</tr>
<tr>
<td>userSysId</td>
<td>The ID of the user who is receiving the non-recurring payment.</td>
</tr>
<tr>
<td>payComponentCode</td>
<td>A datasource that shows the non-recurring payment components.</td>
</tr>
<tr>
<td>currencyGO</td>
<td>The currency for the non-recurring payment.</td>
</tr>
</tbody>
</table>
Navigation Properties

Table 134:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NonRecurringPayment</td>
<td>Advance</td>
<td>Used to record the details of the applied advances. Advance has details such as requested amount, recovery mode, and the number of installments.</td>
</tr>
</tbody>
</table>

Use Cases

Table 135:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="https://qacand.successfactors.com/odata/v2/NonRecurringPayment">https://qacand.successfactors.com/odata/v2/NonRecurringPayment</a></td>
<td>Queries instances of NonRecurringPayment.</td>
</tr>
</tbody>
</table>

Entity Metadata

```json
{
  "d": {
    "_metadata": {
      "uri": "https://qacand.successfactors.com:443/odata/v2/Entity('NonRecurringPayment')", "type": "SFOData.Entity" },
    "path": "NonRecurringPayment", "insertable": true, "keyProperties": {
      "results": [
        {
          "businessKey": true, "filterable": true, "id": false, "inlineRequired": null, "insertable": true, "label": null, "maxLength": 128, "name": "externalCode", "path": "NonRecurringPayment/externalCode", "picklistOptionId": null, "required": false, "sortable": true, "type": {
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          }
        ]
      }
    }
  }
}```
<table>
<thead>
<tr>
<th>Field Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>mdfSystemEffectiveStartDate</td>
<td>Effective start date of the payment.</td>
</tr>
<tr>
<td>picklistOptionId</td>
<td>Optional picklist option for the payment.</td>
</tr>
<tr>
<td>sortable</td>
<td>Indicates if the field can be sorted.</td>
</tr>
<tr>
<td>businessKey</td>
<td>Flag to indicate if the field is a business key.</td>
</tr>
<tr>
<td>filterable</td>
<td>Indicates if the field is filterable.</td>
</tr>
<tr>
<td>id</td>
<td>Unique identifier for the payment.</td>
</tr>
<tr>
<td>inlineRequired</td>
<td>Indicates if the field is required when a new record is inserted.</td>
</tr>
<tr>
<td>insertable</td>
<td>Indicates if the field can be inserted.</td>
</tr>
<tr>
<td>maxLength</td>
<td>Maximum length of the field.</td>
</tr>
<tr>
<td>mdfSystemObjectType</td>
<td>Object type identifier for the payment.</td>
</tr>
<tr>
<td>picklistOptionId</td>
<td>Optional picklist option for the payment.</td>
</tr>
<tr>
<td>sortable</td>
<td>Indicates if the field can be sorted.</td>
</tr>
<tr>
<td>updateable</td>
<td>Indicates if the field can be updated.</td>
</tr>
<tr>
<td>upsertable</td>
<td>Indicates if the field can be upserted.</td>
</tr>
<tr>
<td>viewable</td>
<td>Indicates if the field is viewable.</td>
</tr>
<tr>
<td>mdfSystemRecordStatus</td>
<td>Record status identifier for the payment.</td>
</tr>
<tr>
<td>picklistOptionId</td>
<td>Optional picklist option for the payment.</td>
</tr>
<tr>
<td>sortable</td>
<td>Indicates if the field can be sorted.</td>
</tr>
<tr>
<td>updateable</td>
<td>Indicates if the field can be updated.</td>
</tr>
<tr>
<td>upsertable</td>
<td>Indicates if the field can be upserted.</td>
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<tr>
<td>viewable</td>
<td>Indicates if the field is viewable.</td>
</tr>
<tr>
<td>mdfSystemRecordStatusNav</td>
<td>Record status navigation identifier for the payment.</td>
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<td>Optional picklist option for the payment.</td>
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<td>sortable</td>
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<td>upsertable</td>
<td>Indicates if the field can be upserted.</td>
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<tr>
<td>viewable</td>
<td>Indicates if the field is viewable.</td>
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<td>mdfSystemStatus</td>
<td>Status identifier for the payment.</td>
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<tr>
<td>upsertable</td>
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</tr>
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<td>Indicates if the field is viewable.</td>
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<td>Status navigation identifier for the payment.</td>
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<tr>
<td>updateable</td>
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<tr>
<td>upsertable</td>
<td>Indicates if the field can be upserted.</td>
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<tr>
<td>viewable</td>
<td>Indicates if the field is viewable.</td>
</tr>
<tr>
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<td>Transaction sequence identifier for the payment.</td>
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<tr>
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<td>Optional picklist option for the payment.</td>
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<tr>
<td>updateable</td>
<td>Indicates if the field can be updated.</td>
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<tr>
<td>upsertable</td>
<td>Indicates if the field can be upserted.</td>
</tr>
<tr>
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<td>Indicates if the field is viewable.</td>
</tr>
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<td>mdfSystemVersionId</td>
<td>Version identifier for the payment.</td>
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<td>picklistOptionId</td>
<td>Optional picklist option for the payment.</td>
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<td>sortable</td>
<td>Indicates if the field can be sorted.</td>
</tr>
<tr>
<td>updateable</td>
<td>Indicates if the field can be updated.</td>
</tr>
<tr>
<td>upsertable</td>
<td>Indicates if the field can be upserted.</td>
</tr>
<tr>
<td>viewable</td>
<td>Indicates if the field is viewable.</td>
</tr>
<tr>
<td>notes</td>
<td>Notes associated with the payment.</td>
</tr>
<tr>
<td>payCompValue</td>
<td>Payment component value.</td>
</tr>
<tr>
<td>sortable</td>
<td>Indicates if the field can be sorted.</td>
</tr>
<tr>
<td>updateable</td>
<td>Indicates if the field can be updated.</td>
</tr>
<tr>
<td>upsertable</td>
<td>Indicates if the field can be upserted.</td>
</tr>
<tr>
<td>viewable</td>
<td>Indicates if the field is viewable.</td>
</tr>
</tbody>
</table>
"path" : "NonRecurringPayment/userSysIdNav", "picklistOptionId" : null,
"required" : false, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
},
"effectiveDated" : false, "navigationProperties" : {
"results" : [
{
"businessKey" : false, "filterable" : true, "fromRole" : {
"multiplicity" : {
"name" : "ONE", "symbolString" : "1"
}, "path" : "advance_of_NonRecurringPayment/NonRecurringPayment", "role" : 
"NonRecurringPayment"
}, "insertable" : true, "name" : "advance_of_NonRecurringPayment", "path" : 
"advance_of_NonRecurringPayment", "updatable" : true, "upsertable" : true
}, "required" : false, "sortable" : true, "toRole" : {
"multiplicity" : {
"name" : "ZERO_TO_ONE", "symbolString" : "0..1"
}, "path" : "advance_of_NonRecurringPayment/asso_advance", "role" : "asso_advance"
}, "end2" : {
"multiplicity" : {
"name" : "ONE", "symbolString" : "1"
}, "path" : "advance_of_NonRecurringPayment/NonRecurringPayment", "role" : 
"NonRecurringPayment"
}, "insertable" : true, "name" : "advance_of_NonRecurringPayment", "path" : 
"advance_of_NonRecurringPayment", "updatable" : true, "_upsertable" : true
}, "required" : false, "sortable" : true, "viewable" : true
},
"businessKey" : false, "filterable" : true, "fromRole" : {
"multiplicity" : {
"name" : "MANY", "symbolString" : "***"
}, "path" : "currencyGONav_of_NonRecurringPayment/NonRecurringPayment", "role" : 
"NonRecurringPayment"
}, "id" : false, "inlineRequired" : null, "insertable" : true, "label" : null, 
"maxLength" : null, "name" : "currencyGONav", "path" : "NonRecurringPayment/
currencyGONav", "picklistOptionId" : null, "relationship" : {
"end1" : {
"multiplicity" : {
"name" : "ZERO_TO_ONE", "symbolString" : "0..1"
}, "path" : "advance_of_NonRecurringPayment/asso_advance", "role" : "asso_advance"
}, "end2" : {
"multiplicity" : {
"name" : "MANY", "symbolString" : "***"
}, "path" : "currencyGONav_of_NonRecurringPayment/asso_advance", "role" : "asso_advance"
}, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
},
"businessKey" : false, "filterable" : true, "fromRole" : {
"multiplicity" : {
"name" : "MANY", "symbolString" : "***"
}, "path" : "currencyGONav_of_NonRecurringPayment/currencyGONav", "role" : 
"currencyGONav"
}, "end2" : {
"multiplicity" : {
"name" : "MANY", "symbolString" : "***"
}, "path" : "currencyGONav_of_NonRecurringPayment/currencyGONav", "role" : 
"currencyGONav"
}, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
},
"businessKey" : false, "filterable" : true, "fromRole" : {
"multiplicity" : {
"name" : "MANY", "symbolString" : "***"
}, "path" : "currencyGONav_of_NonRecurringPayment/currencyGONav", "role" : 
"currencyGONav"
}, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}
8.1.2 Benefits

8.1.2.1 BenefitCompanyCarAllowedModels

This entity is used to create values for different car models that are selected from the drop-down list in the application.
Permissions

Table 136:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Manage Permission Roles &gt; Miscellaneous Permissions Assign the relevant permissions for the car models.</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

- Enable Benefits

Operations Allowed

Table 137:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query the BenefitCompanyCarAllowedModels entity.</td>
</tr>
</tbody>
</table>

Properties

Table 138:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>effectiveStartDate</td>
<td>The effective start date of car model.</td>
</tr>
<tr>
<td>carModelName</td>
<td>The name of the car model.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 139:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BenefitCompanyCarAllowedModels</td>
<td>BenefitCompanyCar</td>
<td>One-to-many association to Company-Car - to filter the CompanyCarAllowedModels.</td>
</tr>
</tbody>
</table>

Use Cases

None.
8.1.2.2 BenefitClaimAccumulation

This entity enables the accumulation of benefit claims so they can be tracked within a defined cycle.

Permissions

Table 140:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Manage Permission Roles &gt; Miscellaneous Permissions. Assign the relevant permissions for claim accumulation.</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

- Enable Benefits

Operations Allowed

Table 141:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query the BenefitClaimAccumulation entity.</td>
</tr>
</tbody>
</table>

Properties

Table 142:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>claimWindowStart</td>
<td>The start date for the claim.</td>
</tr>
<tr>
<td>claimWindowEnd</td>
<td>The end date for the claim.</td>
</tr>
<tr>
<td>remainingAmount</td>
<td>The amount remaining after claim is made.</td>
</tr>
<tr>
<td>accumulatedAmount</td>
<td>The amount that has already been claimed.</td>
</tr>
<tr>
<td>balanceCarryForwardAmount</td>
<td>The amount that is carried forward.</td>
</tr>
</tbody>
</table>
### Navigation Properties

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benefit Claim Accumulation</td>
<td>benefitBalanceCarryForwardDetail</td>
<td>Gets the BalanceCarryForwardDetails.</td>
</tr>
<tr>
<td>Benefit Claim Accumulation</td>
<td>benefitClaims</td>
<td>Gets the Benefit Employee Claim details.</td>
</tr>
</tbody>
</table>

### Use Cases

None.

### Entity Metadata

```json
{
  "d": {
    "__metadata": {
      "uri": "https://qacand.successfactors.com:443/odata/v2/
Entity('BenefitClaimAccumulation')", "type": "SFOData.Entity"
    },
    "path": "BenefitClaimAccumulation", "insertable": true,
    "keyProperties": [
      {
        "businessKey": true,
        "filterable": true,
        "id": false,
        "insertable": true,
        "label": null,
        "maxLength": null,
        "name": "externalCode",
        "path": "BenefitClaimAccumulation/externalCode",
        "picklistOptionId": null,
        "required": false,
        "sortable": true,
        "type": {
          "name": "long",
          "path": "long"
        },
        "updateable": true,
        "upsertable": true,
        "viewable": true
      }
    ],
    "upsertable": true,
    "name": "BenefitClaimAccumulation",
    "updatable": true,
    "deletable": true,
    "properties": [
      {
        "businessKey": false,
        "filterable": true,
        "id": false,
        "inlineRequired": null,
        "insertable": true,
        "label": null,
        "maxLength": null,
        "name": "accumulatedAmount",
        "path": "BenefitClaimAccumulation/accumulatedAmount",
        "picklistOptionId": null,
        "required": true,
        "sortable": true,
        "type": {
          "name": "decimal",
          "path": "decimal"
        },
        "updateable": true,
        "upsertable": true,
        "viewable": true
      },
      {
        "businessKey": false,
        "filterable": true,
        "id": false,
        "inlineRequired": null,
        "insertable": true,
        "label": null,
        "maxLength": null,
        "name": "balanceCarryForwardAmount",
        "path": "BenefitClaimAccumulation/balanceCarryForwardAmount",
        "picklistOptionId": null,
        "required": false,
        "sortable": true,
        "type": {
          "name": "decimal",
          "path": "decimal"
        },
        "updateable": true,
        "upsertable": true,
        "viewable": true
      },
      {
        "businessKey": false,
        "filterable": true,
        "id": false,
        "inlineRequired": null,
        "insertable": true,
        "label": null,
        "maxLength": null,
        "name": "benefitBalanceCarryForwardDetails",
        "path": "BenefitClaimAccumulation/benefitBalanceCarryForwardDetails",
        "picklistOptionId": null,
        "required": false,
        "sortable": true,
        "type": {
          "name": "string",
          "path": "string"
        }
      }
    ]
  }
}```
null, "required": false, "sortable": true, "type": {
  "name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true
}, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemTransactionSequence", "path": "BenefitClaimAccumulation/mdfSystemTransactionSequence", "picklistOptionId": null, "required": false, "sortable": true, "type": {
  "name": "long", "path": "long"
}, "updateable": false, "upsertable": false, "viewable": true
}, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemVersionId", "path": "BenefitClaimAccumulation/mdfSystemVersionId", "picklistOptionId": null, "required": false, "sortable": true, "type": {
  "name": "long", "path": "long"
}, "updateable": false, "upsertable": false, "viewable": true
}, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": true, "label": null, "maxLength": null, "name": "mdfSystemTransactionSequence", "path": "BenefitClaimAccumulation/mdfSystemTransactionSequence", "picklistOptionId": null, "required": false, "sortable": true, "type": {
  "name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true
}, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "rowId", "path": "BenefitClaimAccumulation/rowId", "picklistOptionId": null, "required": false, "sortable": true, "type": {
  "name": "long", "path": "long"
}, "updateable": false, "upsertable": false, "viewable": true
}, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": true, "label": null, "maxLength": null, "name": "schedulePeriodNav", "path": "BenefitClaimAccumulation/schedulePeriodNav", "picklistOptionId": null, "required": false, "sortable": true, "type": {
  "name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
}, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": true, "label": null, "maxLength": null, "name": "workerIdNav", "path": "BenefitClaimAccumulation/workerIdNav", "picklistOptionId": null, "required": true, "sortable": true, "type": {
  "name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
}
], "results": [
{ "businessKey": false, "filterable": true, "fromRole": {
  "multiplicity": {
    "name": "ONE", "symbolString": "1"
  }, "path": "benefitBalanceCarryForwardDetails_of_BenefitClaimAccumulation/BenefitClaimAccumulation", "role": "BenefitClaimAccumulation"
}, "id": false, "inlineRequired": null, "insertable": true, "label": null, "maxLength": null, "name": "benefitBalanceCarryForwardDetails", "path": "BenefitClaimAccumulation/benefitBalanceCarryForwardDetails", "picklistOptionId": null, "relationship": {
  "end1": {
    "multiplicity": {
      "name": "MANY", "symbolString": "*"
    }, "path": "benefitBalanceCarryForwardDetails_of_BenefitClaimAccumulation/asso_benefitBalanceCarryForwardDetails", "role": "asso_benefitBalanceCarryForwardDetails"
  }, "end2": {

8.1.2.3 BenefitCompanyCarLeaseServiceProvider

This entity is used to create values for car lease service providers.

Permissions

Table 144:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Manage Permission Roles &gt; Miscellaneous Permissions Assign the relevant permissions for car service provider.</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

- Enable Benefits

Operations Allowed

Table 145:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query BenefitCompanyCarLeaseServiceProvider record.</td>
</tr>
</tbody>
</table>

Properties

Table 146:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>externalCode</td>
<td>The company car code.</td>
</tr>
<tr>
<td>effectiveStartDate</td>
<td>The effective start date of the car lease from the service provider.</td>
</tr>
<tr>
<td>serviceProviderName</td>
<td>Name of the car lease service provider.</td>
</tr>
<tr>
<td>emiInterestRate</td>
<td>The interest rate from the service provider for the equated monthly installments.</td>
</tr>
</tbody>
</table>
Navigation Properties

Table 147:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BenefitCompanyCarLeaseServiceProvider</td>
<td>BenefitCompanyCar</td>
<td>One-to-many association to CompanyCar - to filter the CompanyCarLeaseServiceProvider.</td>
</tr>
</tbody>
</table>

Use Cases

None.

8.1.2.4 BenefitCompanyCarRecommendedVendors

This entity stores the details of recommended vendors for the company car benefit.

Permissions

Table 148:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
</table>
| Role-based        | Go to Admin Tools > Manage Permission Roles > Miscellaneous Permissions > Assign relevant permissions.  
                             | Standard MDF permissions also apply.                                            |

Required Provisioning Settings

- Enable Benefits

Operations Allowed

Table 149:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query the BenefitCompanyCarRecommendedVendors record.</td>
</tr>
</tbody>
</table>
Properties

Table 150:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>carVendorName</td>
<td>The name of the car vendor.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 151:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BenefitCompanyCarRecommendedVendors</td>
<td>BenefitCompanyCar</td>
<td>Join-By-Column association to filter the car vendors associated to a specific company car benefit.</td>
</tr>
</tbody>
</table>

Use Cases

Table 152:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
</table>

8.1.2.5 BenefitContact

This entity stores the contact details of persons who are responsible for providing benefit-related information.

Permissions

Table 153:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to [Admin Tools] &gt; [Manage Permission Roles] &gt; [Miscellaneous Permissions] &gt; Assign the relevant permissions.</td>
</tr>
<tr>
<td></td>
<td>Standard MDF permission also apply.</td>
</tr>
</tbody>
</table>
Required Provisioning Settings

- Enable Benefits

Operations Allowed

Table 154:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query the BenefitContact record.</td>
</tr>
</tbody>
</table>

Properties

Table 155:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>employeeName</td>
<td>The name of the employee.</td>
</tr>
<tr>
<td>contactEmail</td>
<td>The employee's email address.</td>
</tr>
<tr>
<td>contactPhone</td>
<td>The employee's phone number.</td>
</tr>
</tbody>
</table>

Navigation Properties

None.

Use Cases

Table 156:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>&lt;https://&lt;hostname&gt;/odata/v2/BenefitContact</code></td>
<td>Queries instances of BenefitContact.</td>
</tr>
</tbody>
</table>

Entity Metadata

```
"id" : {
    "_metadata" : {
        "uri" : "https://qacand.successfactors.com:443/odata/v2/Entity('BenefitContact')",
        "type" : "SFOData.Entity"
    },
    "path" : "BenefitContact",
    "insertable" : true,
    "keyProperties" : {
        "results" : [
            {
                "businessKey" : true,
                "filterable" : true,
                "id" : false,
                "insertable" : true,
                "label" : null,
                "maxLength" : null,
                "name" : "externalCode",
                "path" : "BenefitContact/externalCode",
                "picklistOptionId" : null,
                "required" : false,
                "sortable" : true,
                "type" : {
                    "name" : "long",
                    "path" : "long"
                },
                "updateable" : true,
                "upsertable" : true,
                "viewable" : true
            }
        ]
    },
    "upsertable" : true,
    "name" : "BenefitContact",
    "updatable" : true,
    "deletable" : true,
    "properties" : {
        "results" : [
            {
                "businessKey" : false,
                "filterable" : true,
                "id" : false,
                "insertable" : false,
                "label" : null,
                "maxLength" : 255,
                "name" : "contactEmail",
                "path" : "BenefitContact/contactEmail",
                "picklistOptionId" : null,
                "required" : false,
                "sortable" : true,
                "type" : {
                    "name" : "string",
                    "path" : "string"
                },
                "updateable" : false,
                "upsertable" : false,
                "viewable" : true
            },
            {
                "businessKey" : false,
                "filterable" : true,
                "id" : false,
                "insertable" : true,
                "label" : null,
                "maxLength" : null,
                "name" : "contactEmployeeIdNav",
                "path" : "BenefitContact/contactEmployeeIdNav",
                "picklistOptionId" : null,
                "required" : true,
                "sortable" : true,
                "type" : {
                    "name" : "string",
                    "path" : "string"
                },
                "updateable" : true,
                "viewable" : true
            },
            {
                "businessKey" : false,
                "filterable" : true,
                "id" : false,
                "insertable" : false,
                "label" : null,
                "maxLength" : 255,
                "name" : "contactPhone",
                "path" : "BenefitContact/contactPhone",
                "picklistOptionId" : null,
                "required" : false,
                "sortable" : true,
                "type" : {
                    "name" : "string",
                    "path" : "string"
                },
                "updateable" : false,
                "viewable" : true
            },
            {
                "businessKey" : false,
                "filterable" : true,
                "id" : false,
                "insertable" : true,
                "label" : null,
                "maxLength" : 255,
                "name" : "createdBy",
                "path" : "BenefitContact/createdBy",
                "picklistOptionId" : null,
                "required" : false,
                "sortable" : true,
                "type" : {
                    "name" : "string",
                    "path" : "string"
                },
                "updateable" : false,
                "viewable" : true
            },
            {
                "businessKey" : false,
                "filterable" : true,
                "id" : false,
                "insertable" : true,
                "label" : null,
                "maxLength" : 255,
                "name" : "createdDate",
                "path" : "BenefitContact/createdDate",
                "picklistOptionId" : null,
                "required" : false,
                "sortable" : true,
                "type" : {
                    "name" : "datetime",
                    "path" : "datetime"
                },
                "updateable" : false,
                "upsertable" : false,
                "viewable" : true
            }
        ]
    }
}
  "name" : "long", "path" : "long"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}, {
  "name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
  "businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, "maxLength" : null, "name" : "lastModifiedDate", "path" : "BenefitContact/lastModifiedDate", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
  "name" : "datetime", "path" : "datetime"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
  "businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, "maxLength" : null, "name" : "lastModifiedDateWithTZ", "path" : "BenefitContact/lastModifiedDateWithTZ", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
  "name" : "datetimeoffset", "path" : "datetimeoffset"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
  "businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, "maxLength" : null, "name" : "mdfSystemEffectiveEndDate", "path" : "BenefitContact/mdfSystemEffectiveEndDate", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
  "name" : "datetime", "path" : "datetime"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
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}, {
  "name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
  "name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
  "name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
  "name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
},
8.1.2.6 BenefitEmployeeClaim

This entity stores the details of the claim transactions made by the employees for the various benefits in the company.

Permissions

Table 157:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools » Manage Permission Roles » Miscellaneous Permissions Assign the relevant permissions. Standard MDF permission also apply.</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

- Enable Benefits
**Operations Allowed**

Table 158:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a BenefitEmployeeClaim record.</td>
</tr>
</tbody>
</table>

**Properties**

Table 159:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>claimDate</td>
<td>The date the benefit is claimed.</td>
</tr>
<tr>
<td>entitlementAmount</td>
<td>The amount the employee is eligible to claim.</td>
</tr>
<tr>
<td>totalAmount</td>
<td>The amount that the employee is claiming for</td>
</tr>
<tr>
<td>benefitDataSourceWithExternalCode</td>
<td>The list of benefits that the employee is eligible to claim for</td>
</tr>
</tbody>
</table>

**Navigation Properties**

Table 160:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BenefitEmployeeClaim</td>
<td>BenefitEmployeeClaimDetail</td>
<td>Contains additional detail fields required during claim of a benefit.</td>
</tr>
<tr>
<td>BenefitEmployeeClaim</td>
<td>BenefitFuelReimbursementClaimDetail</td>
<td>Contains additional detail fields required during claim of the fuel benefit.</td>
</tr>
<tr>
<td>BenefitEmployeeClaim</td>
<td>BenefitDependentDetail</td>
<td>Contains additional fields required to capture the dependent information.</td>
</tr>
<tr>
<td>BenefitEmployeeClaim</td>
<td>BenefitDocuments</td>
<td>Stores information about policy documents, forms, useful links.</td>
</tr>
<tr>
<td>BenefitEmployeeClaim</td>
<td>BenefitLeaveTravelReimbursementClaim</td>
<td>Contains additional fields required to capture the leave travel information.</td>
</tr>
<tr>
<td>BenefitEmployeeClaim</td>
<td>BenefitFuelReimbursement</td>
<td>Contains additional fields required to capture the fuel reimbursement informa-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>tion.</td>
</tr>
</tbody>
</table>
Use Cases

Table 161:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>https://&lt;hostname&gt;/odata/v2/BenefitEmployeeClaim</td>
<td>Queries t instances of Benefit Employee Claim.</td>
</tr>
</tbody>
</table>

Entity Metadata

```json
{
    "d": {
        "_metadata": {
            "uri": "https://qacand.successfactors.com:443/odata/v2/Entity('BenefitEmployeeClaim')", "type": "SFOData.Entity"
        },
        "path": "BenefitEmployeeClaim", "insertable": true, "keyProperties": {
            "results": [
                {
                    "businessKey": true, "filterable": true, "id": false, "inlineRequired": null,
                    "insertable": true, "label": null, "maxLength": null, "name": "id", "path": "BenefitEmployeeClaim/id",
                    "picklistOptionId": null, "required": false, "sortable": true, "type": {
                        "name": "long", "path": "long"
                    }, "updateable": true, "upsertable": true, "viewable": true
                }
            ]
        },
        "upsertable": true, "name": "BenefitEmployeeClaim", "updatable": true,
        "deletable": true, "properties": {
            "results": [
                {
                    "businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
                    "insertable": true, "label": null, "maxLength": null, "name": "benFuelReimbursement",
                    "picklistOptionId": null, "required": false, "sortable": true, "type": {
                        "name": "string", "path": "string"
                    }, "updateable": true, "upsertable": true, "viewable": true
                },
                {
                    "businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
                    "insertable": true, "label": null, "maxLength": null, "name": "benTravelReimbursementClaim",
                    "picklistOptionId": null, "required": false, "sortable": true, "type": {
                        "name": "string", "path": "string"
                    }, "updateable": true, "upsertable": true, "viewable": true
                },
                {
                    "businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
                    "insertable": true, "label": null, "maxLength": null, "name": "benefitContacts",
                    "picklistOptionId": null, "required": false, "sortable": true, "type": {
                        "name": "string", "path": "string"
                    }, "updateable": true, "upsertable": true, "viewable": true
                },
                {
                    "businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
                    "insertable": true, "label": null, "maxLength": null, "name": "benefitDataSource",
                    "picklistOptionId": null, "required": false, "sortable": true, "type": {
                        "name": "string", "path": "string"
                    }, "updateable": true, "upsertable": false, "viewable": true
                }
            ]
        }
    }
}```
benefitDataSourceWithExternalCode?="string", path?="string", "required": false, "sortable": true, "type": "string", "updateable": true, "upsertable": true, "viewable": true
},
{
    "businessKey": false, "filterable": true, "id": false, "inlineRequired": false, "insertable": true, "label": null, "maxLength": null, "name": "benefitEmployeeClaimDetail?="string", path?="string", "picklistOptionId": null, "required": false, "sortable": true, "type": "string", "updateable": true, "upsertable": true, "viewable": true
},
{
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},
{
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},
{
    "businessKey": false, "filterable": true, "id": false, "inlineRequired": false, "insertable": true, "label": null, "maxLength": null, "name": "benefitEmployeeClaimDetail?="string", path?="string", "picklistOptionId": null, "required": false, "sortable": true, "type": "string", "updateable": true, "upsertable": true, "viewable": true
},
{
    "businessKey": false, "filterable": true, "id": false, "inlineRequired": false, "insertable": true, "label": null, "maxLength": null, "name": "benefitEmployeeClaimDetail?="string", path?="string", "picklistOptionId": null, "required": false, "sortable": true, "type": "string", "updateable": true, "upsertable": true, "viewable": true
},
{
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},
{
    "businessKey": false, "filterable": true, "id": false, "inlineRequired": false, "insertable": true, "label": null, "maxLength": null, "name": "benefitEmployeeClaimDetail?="string", path?="string", "picklistOptionId": null, "required": false, "sortable": true, "type": "string", "updateable": true, "upsertable": true, "viewable": true
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},
{
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},
{
    "businessKey": false, "filterable": true, "id": false, "inlineRequired": false, "insertable": true, "label": null, "maxLength": null, "name": "benefitEmployeeClaimDetail?="string", path?="string", "picklistOptionId": null, "required": false, "sortable": true, "type": "string", "updateable": true, "upsertable": true, "viewable": true
}
"path": "benefitContacts_of_BenefitEmployeeClaim/asso_benefitContacts",
"role": "asso_benefitContacts"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "benefitContacts_of_BenefitEmployeeClaim/BenefitEmployeeClaim",
"role": "BenefitEmployeeClaim",
"insertable": true, "name": "benefitContacts_of_BenefitEmployeeClaim",
"path": "benefitContacts_of_BenefitEmployeeClaim", "updatable": true,
"upsertable": true
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"multiplicity": {
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}, "path": "benefitContacts_of_BenefitEmployeeClaim/asso_benefitContacts",
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}, "type": {
"name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
}, {
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"multiplicity": {
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"role": "BenefitEmployeeClaim",
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"maxLength": null, "name": "benefitDependentDetail", "path": "BenefitEmployeeClaim/benefitDependentDetail", "picklistOptionId": null,
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"end1": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "benefitDependentDetail_of_BenefitEmployeeClaim/asso_benefitDependentDetail", "role": "asso_benefitDependentDetail"
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"name": "ONE", "symbolString": "1"
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"role": "BenefitEmployeeClaim",
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"upsertable": true
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}, "type": {
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}, "updateable": true, "upsertable": true, "viewable": true
}, {
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"role": "BenefitEmployeeClaim",
"id": false, "inlineRequired": null, "insertable": true, "label": null,
"maxLength": null, "name": "benefitEmployeeCarClaim", "path": "BenefitEmployeeClaim/benefitEmployeeCarClaim", "picklistOptionId": null,
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}, "path": "benefitEmployeeCarClaim_of_BenefitEmployeeClaim/asso_benefitEmployeeCarClaim", "role": "asso_benefitEmployeeCarClaim"
}, "end2": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}
"benefitFuelReimbursementClaimDetail_of_BenefitEmployeeClaim", "updatable": true, "upsertable": true, "filterable": true, "sortface": false, "filterable": true, "fromRole": { "multiplicity": { "name": "MANY", "symbolString": "*" }, "path": "benefitFuelReimbursementClaimDetail_of_BenefitEmployeeClaim/asso_benefitFuelReimbursementClaimDetail", "role": "asso_benefitFuelReimbursementClaimDetail" }, "type": { "name": "string", "path": "string" }, "updateable": true, "upsertable": true, "viewable": true }, { "businessKey": false, "filterable": true, "fromRole": { "multiplicity": { "name": "MANY", "symbolString": "*" }, "path": "benefitNav_of_BenefitEmployeeClaim/BenefitEmployeeClaim", "role": "BenefitEmployeeClaim" }, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "benefitNav", "path": "BenefitEmployeeClaim/benefitNav", "picklistOptionId": null, "relationship": { "end1": { "multiplicity": { "name": "MANY", "symbolString": "*" }, "path": "benefitNav_of_BenefitEmployeeClaim/benefitNav", "role": "benefitNav" }, "end2": { "multiplicity": { "name": "MANY", "symbolString": "*" }, "path": "benefitNav_of_BenefitEmployeeClaim/BenefitEmployeeClaim", "role": "BenefitEmployeeClaim" }, "insertable": true, "name": "benefitNav_of_BenefitEmployeeClaim", "path": "benefitNav_of_BenefitEmployeeClaim", "updatable": true, "upsertable": true }, "required": true, "sortable": true, "toRole": { "multiplicity": { "name": "MANY", "symbolString": "*" }, "path": "benefitNav_of_BenefitEmployeeClaim/benefitNav", "role": "benefitNav" }, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": true, "viewable": true }, { "businessKey": false, "filterable": true, "fromRole": { "multiplicity": { "name": "MANY", "symbolString": "*" }, "path": "benefitProgramNav_of_BenefitEmployeeClaim/BenefitEmployeeClaim", "role": "BenefitEmployeeClaim" }, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "benefitProgramNav", "path": "BenefitEmployeeClaim/benefitProgramNav", "picklistOptionId": null, "relationship": { "end1": { "multiplicity": { "name": "MANY", "symbolString": "*" }, "path": "benefitProgramNav_of_BenefitEmployeeClaim/benefitProgramNav", "role": "benefitProgramNav" }, "end2": { "multiplicity": { "name": "MANY", "symbolString": "*" }, "path": "benefitProgramNav_of_BenefitEmployeeClaim/BenefitEmployeeClaim", "role": "BenefitEmployeeClaim" }, "insertable": true, "name": "benefitProgramNav_of_BenefitEmployeeClaim", "path": "benefitProgramNav_of_BenefitEmployeeClaim", "updatable": true, "upsertable": true }, "required": false, "sortable": true, "toRole": { "multiplicity": { "name": "MANY", "symbolString": "*" }, "path": "benefitProgramNav_of_BenefitEmployeeClaim/benefitProgramNav", "role": "benefitProgramNav" }, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": true, "viewable": true
"multiplicity" : {  
  "name" : "MANY",  
  "symbolString" : "*"  
},  
"path" : "forms_of_BenefitEmployeeClaim/asso_forms",  
"role" : "asso_forms"  
},  
"end2" : {  
  "multiplicity" : {  
    "name" : "MANY",  
    "symbolString" : "*"  
  },  
  "path" : "forms_of_BenefitEmployeeClaim/BenefitEmployeeClaim",  
  "role" : "BenefitEmployeeClaim"  
},  
"insertable" : true,  
"name" : "forms_of_BenefitEmployeeClaim",  
"path" : "forms_of_BenefitEmployeeClaim",  
"updatable" : true,  
"upsertable" : true,  
"required" : false,  
"sortable" : true,  
"toRole" : {  
  "multiplicity" : {  
    "name" : "MANY",  
    "symbolString" : "*"  
  },  
  "path" : "forms_of_BenefitEmployeeClaim/asso_forms",  
  "role" : "asso_forms"  
},  
"type" : {  
  "name" : "string",  
  "path" : "string"  
},  
"updateable" : true,  
"upsertable" : true,  
"viewable" : true  
};  
  
{  
"businessKey" : false,  
"filterable" : true,  
"fromRole" : {  
  "multiplicity" : {  
    "name" : "MANY",  
    "symbolString" : "*"  
  },  
  "path" : "mdfSystemStatusNav_of_BenefitEmployeeClaim/BenefitEmployeeClaim",  
  "role" : "BenefitEmployeeClaim"  
},  
"id" : false,  
"inlineRequired" : null,  
"insertable" : false,  
"label" : null,  
"maxLength" : null,  
"name" : "mdfSystemStatusNav_of_BenefitEmployeeClaim",  
"path" : "BenefitEmployeeClaim/mdfSystemStatusNav",  
"picklistOptionId" : null,  
"relationship" : {  
  "end1" : {  
    "multiplicity" : {  
      "name" : "ONE",  
      "symbolString" : "1"  
    },  
    "path" : "mdfSystemStatusNav_of_BenefitEmployeeClaim/mdfSystemStatusNav",  
    "role" : "mdfSystemStatusNav"  
  },  
  "end2" : {  
    "multiplicity" : {  
      "name" : "MANY",  
      "symbolString" : "*"  
    },  
    "path" : "mdfSystemStatusNav_of_BenefitEmployeeClaim/BenefitEmployeeClaim",  
    "role" : "BenefitEmployeeClaim"  
  },  
  "insertable" : true,  
  "name" : "mdfSystemStatusNav_of_BenefitEmployeeClaim",  
  "path" : "mdfSystemStatusNav_of_BenefitEmployeeClaim",  
  "updatable" : true,  
  "upsertable" : true,  
  "required" : false,  
  "sortable" : true,  
  "toRole" : {  
    "multiplicity" : {  
      "name" : "ONE",  
      "symbolString" : "1"  
    },  
    "path" : "mdfSystemStatusNav_of_BenefitEmployeeClaim/mdfSystemStatusNav",  
    "role" : "mdfSystemStatusNav"  
  },  
  "type" : {  
    "name" : "string",  
    "path" : "string"  
  },  
  "updateable" : false,  
  "upsertable" : false,  
  "viewable" : true  
  },  
  
{  
"businessKey" : false,  
"filterable" : true,  
"fromRole" : {  
  "multiplicity" : {  
    "name" : "MANY",  
    "symbolString" : "*"  
  },  
  "path" : "policyDocuments_of_BenefitEmployeeClaim/BenefitEmployeeClaim",  
  "role" : "BenefitEmployeeClaim"  
},  
"id" : false,  
"inlineRequired" : null,  
"insertable" : false,  
"label" : null,  
"maxLength" : null,  
"name" : "policyDocuments_of_BenefitEmployeeClaim",  
"path" : "BenefitEmployeeClaim/policyDocuments",  
"picklistOptionId" : null,  
"relationship" : {  
  "end1" : {  
    "multiplicity" : {  
      "name" : "MANY",  
      "symbolString" : "*"  
    },  
    "path" : "policyDocuments_of_BenefitEmployeeClaim/asso_policyDocuments",  
    "role" : "asso_policyDocuments"  
  },  
  "end2" : {  
    "multiplicity" : {  
      "name" : "MANY",  
      "symbolString" : "*"  
    },  
    "path" : "policyDocuments_of_BenefitEmployeeClaim/BenefitEmployeeClaim",  
    "role" : "BenefitEmployeeClaim"  
  }  
}
null
8.1.2.7 BenefitEnrollment

This entity contains a list of all the benefits for which an Employee is eligible. An employee uses this object to enroll for eligible benefits.

Permissions

Table 162:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
</table>
| Role-based        | ● Only the eligible employees can create a benefit enrollment for the eligible benefits  
|                   | ● An administrator cannot do this unless he or she uses the proxy feature  
|                   | ● RBP can be enabled for this entity via Admin Tools  
|                   | Go to Admin Tools > Configure Object Definition > Secured  
|                   | Select Yes and set the category as Miscellaneous Permissions.  
|                   | Go to Admin Tools > Manage Permission Roles > Miscellaneous Permissions  
|                   | Assign the relevant permissions. |

Required Provisioning Settings

- Enable Benefits

Operations Allowed

Table 163:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a BenefitEnrollment record.</td>
</tr>
</tbody>
</table>

Properties

Table 164:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>entitlementAmount</td>
<td>The entitlement amount of the benefit.</td>
</tr>
<tr>
<td>benefitDataSourceWithExternalCode</td>
<td>The data source field for benefits.</td>
</tr>
<tr>
<td>effectiveStartDate</td>
<td>The start date of enrollment.</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>effectiveEndDate</td>
<td>The end date of enrollment.</td>
</tr>
<tr>
<td>amount</td>
<td>The total amount for which user has enrolled.</td>
</tr>
</tbody>
</table>

### Navigation Properties

Table 165:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BenefitEnrollment</td>
<td>BenefitCompanyCarEnrollment</td>
<td>This is additional field that contains company car enrollment details.</td>
</tr>
<tr>
<td>BenefitEnrollment</td>
<td>BenefitPensionFundEnrollmentContributionDetail</td>
<td>This field contains benefit pension fund related information.</td>
</tr>
<tr>
<td>BenefitEnrollment</td>
<td>BenefitPensionDependentNominees</td>
<td>This field contains the information about the Dependent Nominees.</td>
</tr>
<tr>
<td>BenefitEnrollment</td>
<td>BenefitPensionNonDependentNominees</td>
<td>This field contains the information about the Non Dependent Nominees.</td>
</tr>
<tr>
<td>BenefitEnrollment</td>
<td>BenefitPensionEnrollmentContributionDetail</td>
<td>This field contains the information related to pension enrollment contribution.</td>
</tr>
<tr>
<td>BenefitEnrollment</td>
<td>BenefitCompanyHousingEnrollment</td>
<td>This field contains company housing related information.</td>
</tr>
</tbody>
</table>

### Use Cases

Table 166:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>https://&lt;hostname&gt;/odata/v2/ BenefitEnrollment</td>
<td>Queries instances of BenefitEnrollment.</td>
</tr>
</tbody>
</table>

### Entity Metadata

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    },
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8.1.2.8 BenefitsException

This entity contains information about all the exceptions that occur if the enrollment amount does not match the eligibility criteria or if the enrollment period has expired.

Permissions

Table 167:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• An administrator can create/view/update/delete the entity records.</td>
</tr>
<tr>
<td></td>
<td>• An employee can only view the entity records.</td>
</tr>
<tr>
<td></td>
<td>❯ Go to ❯ Admin Tools ❯ Configure Object Definition ❯ Secured ❯ Yes Set the category as Miscellaneous permissions.</td>
</tr>
<tr>
<td></td>
<td>Go to ❯ Admin Tools ❯ Manage Permission Roles ❯ Miscellaneous Permissions Assign relevant permissions.</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

• Enable Benefits

Operations Allowed

Table 168:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query BenefitsException records.</td>
</tr>
</tbody>
</table>
Properties

Table 169:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>exceptionStartDate</td>
<td>The start date for benefits exception.</td>
</tr>
<tr>
<td>exceptionEndDate</td>
<td>The end date for benefits exception.</td>
</tr>
</tbody>
</table>

Navigation Properties

« Enter a short introductory text here »

Table 170:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BenefitException</td>
<td>BenefitExceptionDetails</td>
<td>This contains the information related to different benefits and the schedule periods for which exception is granted.</td>
</tr>
<tr>
<td>BenefitException</td>
<td>BenefitProgramExceptionDetails</td>
<td>This contains the information related to different benefit programs and the schedule periods for which exception is granted.</td>
</tr>
</tbody>
</table>

Use Cases

Table 171:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BenefitsException</td>
<td></td>
</tr>
</tbody>
</table>

Entity Metadata

```json
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  "__metadata": {
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  "keyProperties": {
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        "required": false,
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8.1.2.9 **BenefitProgramEnrollment**

This entity contains the list of all of the benefit programs for which an employee is eligible.
Permissions

Table 172:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
</table>
| Role-based        | ● Only the Eligible Employee can create Benefit Enrollment for the eligible benefits.  
|                   | ● Administrators cannot do this unless he uses the proxy feature.  
|                   | ● RBP can be enabled for this MDF Object via admin tools. |

* Admin Tools » Configure Object Definition » Secured » Yes * Set category as Miscellaneous permissions.

* Admin Tools » Manage Permission Roles » Miscellaneous Permissions * Assign the relevant permissions.

Required Provisioning Settings

- Enable Benefits

Operations Allowed

Table 173:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
</table>
| GET       | Query BenefitProgramEnrollment records.

Properties

Table 174:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>benefitProgramDataSourceWithExternal-Code</td>
<td>The list of all benefit programs for which employee is eligible.</td>
</tr>
<tr>
<td>effectiveStartDate</td>
<td>The start date from which program enrollment is effective.</td>
</tr>
<tr>
<td>effectiveEndDate</td>
<td>The end date after which program enrollment is no longer active.</td>
</tr>
<tr>
<td>programAmount</td>
<td>The total amount for program enrollment</td>
</tr>
<tr>
<td>programEntitlementAmount</td>
<td>The amount that employee is entitled to receive.</td>
</tr>
</tbody>
</table>
Navigation Properties

Table 175:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benefit Program Enrollment</td>
<td>BenefitProgramEnrollmentDetail</td>
<td>This field contains the information for benefit program enrollment.</td>
</tr>
</tbody>
</table>

Use Cases

Table 176:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>https://&lt;localhost&gt;/odata/v2/</td>
<td>Queries instances of BenefitProgramEnrollment.</td>
</tr>
<tr>
<td>BenefitProgramEnrollment</td>
<td></td>
</tr>
</tbody>
</table>

Entity Metadata

```json
{
    "d" : {
        "_metadata" : {
            "path" : "BenefitProgramEnrollment", "insertable" : true, "keyProperties" : {
            "results" : [ {
            "businessKey" : true, "filterable" : true, "id" : false, "inlineRequired" : null,
            "insertable" : true, "label" : null, "maxLength" : null, "name" : "effectiveStartDate", "path" : "BenefitProgramEnrollment/effectiveStartDate",
            "picklistOptionId" : null, "required" : true, "sortable" : true, "type" : { "name" : "datetime", "path" : "datetime" },
            "updateable" : true, "upsertable" : true, "viewable" : true }, {
            "businessKey" : true, "filterable" : true, "id" : false, "inlineRequired" : null,
            "insertable" : true, "label" : null, "maxLength" : null, "name" : "id", "path" : "BenefitProgramEnrollment/id",
            "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : { "name" : "long", "path" : "long" },
            "updateable" : true, "upsertable" : true, "viewable" : true } ],
            "updateable" : true, "name" : "BenefitProgramEnrollment", "updatable" : true,
            "deletable" : true, "properties" : { "results" : [ {
            "businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
            "insertable" : false, "label" : null, "maxLength" : 255, "name" : "benefitProgramDataSource",
            "path" : "BenefitProgramEnrollment/benefitProgramDataSource",
            "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : { "name" : "string", "path" : "string" },
            "updateable" : false, "upsertable" : false, "viewable" : true }, {
            "businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
            "insertable" : true, "label" : null, "maxLength" : 255, "name" : "benefitProgramEnrollment" } ]
        }
    }
}


"multiplicity" : {
  "name" : "ONE",  "symbolString" : "1"
},  "path" : "effectiveStatusNav_of_BenefitProgramEnrollment/effectiveStatusNav",
  "role" : "effectiveStatusNav"
},
"end2" : {
  "multiplicity" : {
    "name" : "MANY",  "symbolString" : "*"
  },  "path" : "effectiveStatusNav_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
  "role" : "BenefitProgramEnrollment"
},
"insertable" : true,  "name" : "effectiveStatusNav_of_BenefitProgramEnrollment",
  "path" : "effectiveStatusNav_of_BenefitProgramEnrollment",
  "updatable" : true,
  "upsertable" : true
},
"required" : false,  "sortable" : true,  "toRole" : {
  "multiplicity" : {
    "name" : "ONE",  "symbolString" : "1"
  },  "path" : "effectiveStatusNav_of_BenefitProgramEnrollment/effectiveStatusNav",
  "role" : "effectiveStatusNav"
},
"type" : {
  "name" : "string",
  "path" : "string"
},
"updateable" : false,  "upsertable" : false,  "viewable" : true
},
{  "businessKey" : false,  "filterable" : true,  "fromRole" : {
  "multiplicity" : {
    "name" : "MANY",  "symbolString" : "*"
  },  "path" : "exceptionNav_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
  "role" : "BenefitProgramEnrollment"
},
"id" : false,  "inlineRequired" : null,  "insertable" : true,  "label" : null,
  "maxLength" : null,  "name" : "exceptionNav",  "path" : "BenefitProgramEnrollment/exceptionNav",
  "picklistOptionId" : null,  "relationship" : {
    "end1" : {
      "multiplicity" : {
        "name" : "ZERO_TO_ONE",  "symbolString" : "0..1"
      },  "path" : "exceptionNav_of_BenefitProgramEnrollment/exceptionNav",
      "role" : "exceptionNav"
    },
    "end2" : {
      "multiplicity" : {
        "name" : "MANY",  "symbolString" : "*"
      },  "path" : "exceptionNav_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
      "role" : "BenefitProgramEnrollment"
    },
    "insertable" : true,  "name" : "exceptionNav_of_BenefitProgramEnrollment",
    "path" : "exceptionNav_of_BenefitProgramEnrollment",
    "updatable" : true,
    "upsertable" : true
    },
    "required" : false,  "sortable" : true,  "toRole" : {
      "multiplicity" : {
        "name" : "ZERO_TO_ONE",  "symbolString" : "0..1"
      },  "path" : "exceptionNav_of_BenefitProgramEnrollment/exceptionNav",
      "role" : "exceptionNav"
    },
    "type" : {
      "name" : "string",
      "path" : "string"
    },
    "updateable" : true,  "upsertable" : true,  "viewable" : true
  },
  "businessKey" : false,  "filterable" : true,  "fromRole" : {
    "multiplicity" : {
      "name" : "MANY",  "symbolString" : "*"
    },  "path" : "forms_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
    "role" : "BenefitProgramEnrollment"
  },
  "id" : false,  "inlineRequired" : null,  "insertable" : true,  "label" : null,
    "maxLength" : null,  "name" : "forms",  "path" : "BenefitProgramEnrollment/forms",
    "picklistOptionId" : null,  "relationship" : {
      "end1" : {
        "multiplicity" : {
          "name" : "MANY",  "symbolString" : "*
        },  "path" : "forms_of_BenefitProgramEnrollment/asso_forms",
        "role" : "asso_forms"
      },
      "end2" : {
        "multiplicity" : {
          "name" : "MANY",  "symbolString" : "*"
        },  "path" : "forms_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
        "role" : "BenefitProgramEnrollment"
      }
    },
    "updateable" : true,  "upsertable" : true,  "viewable" : true
  }
}
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true,
],
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "recordStatusNav_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
"role": "BenefitProgramEnrollment"
}, "id": false, "inlineRequired": null, "insertable": false, "label": null,
"maxLength": null, "name": "recordStatusNav", "path": "BenefitProgramEnrollment/recordStatusNav",
"picklistOptionId": null, "relationship": {
"end1": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "recordStatusNav_of_BenefitProgramEnrollment/recordStatusNav",
"role": "recordStatusNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "recordStatusNav_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
"role": "BenefitProgramEnrollment"
}, "insertable": true, "name": "recordStatusNav_of_BenefitProgramEnrollment",
"path": "recordStatusNav_of_BenefitProgramEnrollment/recordStatusNav",
"role": "recordStatusNav"
}, "type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true,
],
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "usefulLinks_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
"role": "BenefitProgramEnrollment"
}, "id": false, "inlineRequired": null, "insertable": true, "label": null,
"maxLength": null, "name": "usefulLinks", "path": "BenefitProgramEnrollment/usefulLinks",
"picklistOptionId": null, "relationship": {
"end1": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "usefulLinks_of_BenefitProgramEnrollment/asso_usefulLinks",
"role": "recordStatusNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "usefulLinks_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
"role": "BenefitProgramEnrollment"
}, "insertable": true, "name": "usefulLinks_of_BenefitProgramEnrollment",
"path": "usefulLinks_of_BenefitProgramEnrollment/usefulLinks",
"role": "usefulLinks"
}, "type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true,
},
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "usefulLinks_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
"role": "BenefitProgramEnrollment"
}, "id": false, "inlineRequired": null, "insertable": true, "label": null,
"maxLength": null, "name": "usefulLinks", "path": "BenefitProgramEnrollment/usefulLinks",
"picklistOptionId": null, "relationship": {
"end1": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "usefulLinks_of_BenefitProgramEnrollment/asso_usefulLinks",
"role": "recordStatusNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "usefulLinks_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
"role": "BenefitProgramEnrollment"
}, "insertable": true, "name": "usefulLinks_of_BenefitProgramEnrollment",
"path": "usefulLinks_of_BenefitProgramEnrollment/usefulLinks",
"role": "usefulLinks"
}, "type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": true, "viewable": true,
},
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "workerIdNav_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
"role": "BenefitProgramEnrollment"
}, "id": false, "inlineRequired": null, "insertable": true, "label": null,
"maxLength": null, "name": "workerIdNav", "path": "BenefitProgramEnrollment/workerIdNav",
"picklistOptionId": null, "relationship": {
"end1": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "workerIdNav_of_BenefitProgramEnrollment/workerIdNav",
"role": "workerIdNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "workerIdNav_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
"role": "BenefitProgramEnrollment"
}, "insertable": true, "name": "workerIdNav_of_BenefitProgramEnrollment",
"path": "workerIdNav_of_BenefitProgramEnrollment/workerIdNav",
"role": "workerIdNav"
}, "type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true,
},
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "workerIdNav_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
"role": "BenefitProgramEnrollment"
}, "id": false, "inlineRequired": null, "insertable": true, "label": null,
"maxLength": null, "name": "workerIdNav", "path": "BenefitProgramEnrollment/workerIdNav",
"picklistOptionId": null, "relationship": {
"end1": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "workerIdNav_of_BenefitProgramEnrollment/workerIdNav",
"role": "workerIdNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "workerIdNav_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
"role": "BenefitProgramEnrollment"
}, "insertable": true, "name": "workerIdNav_of_BenefitProgramEnrollment",
"path": "workerIdNav_of_BenefitProgramEnrollment/workerIdNav",
"role": "workerIdNav"
}, "type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true,
},
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "workerIdNav_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
"role": "BenefitProgramEnrollment"
}, "id": false, "inlineRequired": null, "insertable": true, "label": null,
"maxLength": null, "name": "workerIdNav", "path": "BenefitProgramEnrollment/workerIdNav",
"picklistOptionId": null, "relationship": {
"end1": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "workerIdNav_of_BenefitProgramEnrollment/workerIdNav",
"role": "workerIdNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "workerIdNav_of_BenefitProgramEnrollment/BenefitProgramEnrollment",
"role": "BenefitProgramEnrollment"
}, "insertable": true, "name": "workerIdNav_of_BenefitProgramEnrollment",
"path": "workerIdNav_of_BenefitProgramEnrollment/workerIdNav",
"role": "workerIdNav"
}, "type": {
"name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true,
}
8.1.2.10 BenefitSchedules

This entity is used for grouping two or more schedule periods. BenefitSchedules is required for allowances and reimbursements. It defines the time period, by date, that an employee can enroll for and claim a benefit.

Permissions

Table 177:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Only eligible employees can create Benefit Enrollment for eligible benefits.</td>
</tr>
<tr>
<td></td>
<td>• The administrator cannot do this unless he or she uses the proxy feature.</td>
</tr>
<tr>
<td></td>
<td>• RBP can be enabled for this entity via Admin Tools.</td>
</tr>
</tbody>
</table>

[Go to Admin Tools Configure Object Definition Secured Yes] Set the category as Miscellaneous permissions.

[Admin Tools Manage Permission Roles Miscellaneous Permissions] Assign the relevant permissions.
Required Provisioning Settings

- Enable Benefits

Operations Allowed

Table 178:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Get BenefitSchedules records.</td>
</tr>
</tbody>
</table>

Properties

Table 179:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>scheduleName</td>
<td>The name of the schedule.</td>
</tr>
<tr>
<td>enrollmentWindowStartDate</td>
<td>The start date for enrollment.</td>
</tr>
<tr>
<td>enrollmentWindowEndDate</td>
<td>The end date for enrollment.</td>
</tr>
<tr>
<td>claimWindowStartDate</td>
<td>The start date for the claim.</td>
</tr>
<tr>
<td>claimWindowEndDate</td>
<td>The end date for the claim.</td>
</tr>
<tr>
<td>enrollmentWindowValidityEndDate</td>
<td>The end date for the validity of an enrollment.</td>
</tr>
</tbody>
</table>

Navigation Properties

None.

Use Cases

Table 180:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
</table>
Entity Metadata

```json
{
    "d": {
        "metadata": {
            "uri": "https://qacand.successfactors.com:443/odata/v2/Entity('BenefitSchedules')", "type": "SFOData.Entity"
        }, "path": "BenefitSchedules", "insertable": true, "keyProperties": {
            "results": [
                { "businessKey": true, "filterable": true, "id": false, "inlineRequired": null, "insertable": true, "label": null, "maxLength": null, "name": "id", "path": "BenefitSchedules/id", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "long", "path": "long" }, "updateable": true, "upsertable": true, "viewable": true
            }
        ], "upsertable": true, "name": "BenefitSchedules", "updatable": true, "deletable": true, "properties": {
            "results": [
                { "businessKey": true, "filterable": true, "id": false, "inlineRequired": null, "insertable": true, "label": null, "maxLength": null, "name": "id", "path": "BenefitSchedules/id", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "long", "path": "long" }, "updateable": true, "upsertable": true, "viewable": true
            }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": 255, "name": "mdfSystemCreatedBy", "path": "BenefitSchedules/mdfSystemCreatedBy", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": false, "viewable": true
            }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemCreatedDate", "path": "BenefitSchedules/mdfSystemCreatedDate", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "datetime", "path": "datetime" }, "updateable": false, "upsertable": false, "viewable": true
            }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemEffectiveEndDate", "path": "BenefitSchedules/mdfSystemEffectiveEndDate", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "datetime", "path": "datetime" }, "updateable": false, "upsertable": false, "viewable": true
            }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemEffectiveStartDate", "path": "BenefitSchedules/mdfSystemEffectiveStartDate", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "datetime", "path": "datetime" }, "updateable": false, "upsertable": false, "viewable": true
            }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemLastModifiedDate", "path": "BenefitSchedules/mdfSystemLastModifiedDate", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": false, "viewable": true
            }
        ]
    }
}
```
8.1.2.11 BenefitSchedulePeriod

This is used for defining a period (set of dates) within which a particular benefit and claim is available for enrollment and eligible for an employee.
Permissions

Table 181:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Configure Object Definition &gt; Secured &gt; Select Yes. Go to Admin Tools &gt; Manage Permission Roles &gt; Miscellaneous Permissions &gt; Assign relevant miscellaneous permissions.</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

- Enable Benefits

Operations Allowed

Table 182:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query BenefitSchedulePeriod record.</td>
</tr>
</tbody>
</table>

Properties

« Enter a short introductory text here »

Table 183:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>periodName</td>
<td>The name of the period.</td>
</tr>
<tr>
<td>enrollmentWindowStartDate</td>
<td>The start date of the enrollment window.</td>
</tr>
<tr>
<td>enrollmentWindowEndDate</td>
<td>The end date of the enrollment window.</td>
</tr>
<tr>
<td>enrollmentEffectiveFrom</td>
<td>The day from which the enrollment is effective.</td>
</tr>
<tr>
<td>enrollmentValidityEnd</td>
<td>The last day on which the enrollment is effective.</td>
</tr>
<tr>
<td>claimWindowStartDate</td>
<td>The start date of the claim.</td>
</tr>
<tr>
<td>claimwindowEndDate</td>
<td>The end date of claim.</td>
</tr>
<tr>
<td>balanceCarryForwardUpto</td>
<td>The balance of a claim that is allowed to carry forward to a specific date.</td>
</tr>
</tbody>
</table>
Navigation Properties

None.

Use Cases

Table 184:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
</table>

Entity Metadata

```
{
  "d" : {
    "metadata" : {
      "path" : "BenefitSchedulePeriod", "insertable" : true, "keyProperties" : {
        "results" : [
          {
              "name" : "long", "path" : "long"
            }, "updateable" : true, "upsertable" : true, "viewable" : true
          }
        ]},
        "upsertable" : true, "name" : "BenefitSchedulePeriod", "updatable" : true, "deletable" : true, "properties" : {
          "results" : [
            {
                  "name" : "datetime", "path" : "datetime"
                }, "updateable" : true, "upsertable" : true, "viewable" : true
            },
            {
                  "name" : "datetime", "path" : "datetime"
                }, "updateable" : true, "upsertable" : true, "viewable" : true
            },
            {
                  "name" : "datetime", "path" : "datetime"
                }, "updateable" : true, "upsertable" : true, "viewable" : true
            }
          ]
        }
      }
    }
  }
```
{ "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": 255, "name": "mdfSystemLastModifiedBy", "path": "BenefitSchedulePeriod/mdfSystemLastModifiedBy", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemLastModifiedDate", "path": "BenefitSchedulePeriod/mdfSystemLastModifiedDate", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "datetime", "path": "datetime" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemLastModifiedDateWithTZ", "path": "BenefitSchedulePeriod/mdfSystemLastModifiedDateWithTZ", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "datetimeoffset", "path": "datetimeoffset" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": 255, "name": "mdfSystemObjectType", "path": "BenefitSchedulePeriod/mdfSystemObjectType", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemRecordStatus", "path": "BenefitSchedulePeriod/mdfSystemRecordStatus", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": 255, "name": "mdfSystemRecordStatusNav", "path": "BenefitSchedulePeriod/mdfSystemRecordStatusNav", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemStatus", "path": "BenefitSchedulePeriod/mdfSystemStatus", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemStatusNav", "path": "BenefitSchedulePeriod/mdfSystemStatusNav", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemTransactionSequence", "path": "BenefitSchedulePeriod/mdfSystemTransactionSequence", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "long", "path": "long" }, "updateable": false, "upsertable": false, "viewable": true }
]
```
```
```
8.1.2.12 BenefitDocuments

This entity is used to store all kinds of documents related to the benefits, including policy documents, forms, and relevant web links..

Permissions

An administrator can Create/View/Update/Delete the entity records.

An employee can only Create/View the entity records.

Table 185:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to <a href="#">Admin Tools &gt; Manage Permission Roles &gt; Miscellaneous Permissions</a> Assign relevant permissions. <a href="#">Admin Tools &gt; Configure Object Definition &gt; Secured</a> Select Yes.</td>
</tr>
</tbody>
</table>
Operations Allowed

Table 186:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query BenefitDocuments records.</td>
</tr>
</tbody>
</table>

Properties

Table 187:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>effectiveStartDate</td>
<td>The effective start date of the document.</td>
</tr>
<tr>
<td>shortName</td>
<td>The short name of the document.</td>
</tr>
<tr>
<td>usefullLink</td>
<td>A link to the document.</td>
</tr>
<tr>
<td>attachment</td>
<td>Any attachment that refers to the document.</td>
</tr>
</tbody>
</table>

Navigation Properties

None.

Use Cases

Table 188:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>https://&lt;hostname&gt;/odata/v2/BenefitDocuments</td>
<td>Queries instances of BenefitDocuments.</td>
</tr>
</tbody>
</table>

Entity Metadata

```json
{
    "d" : {
        "metadata" : {
            "path" : "BenefitDocuments", "insertable" : true, "keyProperties" : {
                "results" : [
                    { "businessKey" : true, "filterable" : true, "id" : false, "inlineRequired" : null, "insertable" : true, "label" : null, "maxLength" : null, "name" : null }]
        }}}}
8.1.3 Benefits Administration Overview

8.1.3.1 Benefit

This entity is used to create and configure benefits. It is used for reimbursements and allowances, such as medical bills, higher education, and a company car.

Permissions

Table 189:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Manage Permission Roles &gt; Miscellaneous Permissions Assign the relevant permissions for Benefit.</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

- Enable benefits.

Operations Allowed

Table 190:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query BenefitRecord.</td>
</tr>
</tbody>
</table>
## Properties

Table 191:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>benefitName</td>
<td>The name of the benefit.</td>
</tr>
<tr>
<td>effectiveStartDate</td>
<td>The effective start date of the benefit.</td>
</tr>
<tr>
<td>benefitType</td>
<td>The type of benefit.</td>
</tr>
</tbody>
</table>

## Navigation Properties

Table 192:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benefit</td>
<td>BenefitContact</td>
<td>Details of the contact person for the relevant benefit. The system displays this data on the <em>Enrollment and Claim</em> screen.</td>
</tr>
<tr>
<td>Benefit</td>
<td>BenefitCompanyCar</td>
<td>Benefit of type company car.</td>
</tr>
<tr>
<td>Benefit</td>
<td>BenefitCompanyHousing</td>
<td>Benefit of type company housing.</td>
</tr>
<tr>
<td>Benefit</td>
<td>BenefitPaymentOptions</td>
<td>The mode through which an employee receives the benefit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pay Component: Select the relevant pay component.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Default: Select either Yes or No against the payment mode. Ensure that you select Yes against one of the payment modes.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The system considers that payment mode as default in case the employee does not choose a valid option in the <em>Payment Mode</em> field.</td>
</tr>
<tr>
<td>Benefit</td>
<td>legalEntities</td>
<td>Legal entities associated to a valid benefit.</td>
</tr>
<tr>
<td>Benefit</td>
<td>policyDocuments</td>
<td>The policy documents associated to the benefit.</td>
</tr>
<tr>
<td>Benefit</td>
<td>forms</td>
<td>The associated forms.</td>
</tr>
<tr>
<td>Benefit</td>
<td>usefulLinks</td>
<td>Useful links associated to the benefit.</td>
</tr>
<tr>
<td>Benefit</td>
<td>statutoryMinimumLookUp</td>
<td>The statutory minimum amount for a pension.</td>
</tr>
<tr>
<td>Benefit</td>
<td>employerContributionDetail</td>
<td>Information about the company's contribution to a benefit.</td>
</tr>
<tr>
<td>Navigation Property</td>
<td>Related Entity</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------</td>
<td>---------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Benefit</td>
<td>employeeContributionDetail</td>
<td>Information about the employees' contribution to a benefit.</td>
</tr>
<tr>
<td>Benefit</td>
<td>pensionFunds</td>
<td>The funds associated to a pension.</td>
</tr>
<tr>
<td>Benefit</td>
<td>balanceCarryForwardOption</td>
<td>The specific set of fields related to carrying the balance amount of an forward.</td>
</tr>
</tbody>
</table>

### Use Cases

#### Table 193:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
</table>

### Entity Metadata

```json
{
  "d": {
    "_metadata": {
      "url": "https://qacand.successfactors.com:443/odata/v2/Entity('Benefit')",
      "type": "SFOData.Entity"
    },
    "path": "Benefit",
    "insertable": true,
    "keyProperties": {
      "results": [
        {
          "businessKey": true,
          "filterable": true,
          "id": false,
          "inlineRequired": null,
          "insertable": true,
          "label": null,
          "maxLength": null,
          "name": "benefitId",
          "path": "Benefit/benefitId",
          "picklistOptionId": null,
          "required": false,
          "sortable": true,
          "type": {
            "name": "long",
            "path": "long"
          },
          "updateable": true,
          "upsertable": true,
          "viewable": true
        },
        {
          "businessKey": true,
          "filterable": true,
          "id": false,
          "inlineRequired": null,
          "insertable": true,
          "label": null,
          "maxLength": null,
          "name": "effectiveStartDate",
          "path": "Benefit/effectiveStartDate",
          "picklistOptionId": null,
          "required": true,
          "sortable": true,
          "type": {
            "name": "datetime",
            "path": "datetime"
          },
          "updateable": true,
          "upsertable": true,
          "viewable": true
        }
      ]
    },
    "upsertable": true,
    "name": "Benefit",
    "updatable": true,
    "deletable": true,
    "properties": {
      "results": [
        {
          "businessKey": false,
          "filterable": true,
          "id": false,
          "inlineRequired": null,
          "insertable": true,
          "label": null,
          "maxLength": null,
          "name": "ageOfRetirement",
          "path": "Benefit/ageOfRetirement",
          "picklistOptionId": null,
          "required": false,
          "sortable": true,
          "type": {
            "name": "decimal",
            "path": "decimal"
          },
          "updateable": true,
          "upsertable": true,
          "viewable": true
        },
        {
          "businessKey": false,
          "filterable": true,
          "id": false,
          "inlineRequired": null,
          "insertable": true,
          "label": null,
          "maxLength": null,
          "name": "..."  
```
], {
], {
"name" : "string", "path" : "string" }, "updateable" : true, "upsertable" : true, "viewable" : true
], {
"name" : "string", "path" : "string" }, "updateable" : true, "upsertable" : true, "viewable" : true
], {
"name" : "string", "path" : "string" }, "updateable" : true, "upsertable" : true, "viewable" : true
], {
"name" : "string", "path" : "string" }, "updateable" : true, "upsertable" : true, "viewable" : true
], {
"name" : "string", "path" : "string" }, "updateable" : true, "upsertable" : true, "viewable" : true
], {
"name" : "string", "path" : "string" }, "updateable" : true, "upsertable" : false, "viewable" : true
], {
"name" : "string", "path" : "string" }, "updateable" : true, "upsertable" : true, "viewable" : true
]
"name": "long", "path": "long"
}, "updateable": true, "upsertable": true, "viewable": true
}, {
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
"insertable": true, "label": null, "maxLength": null, "name": "countryNav",
"path": "Benefit/countryNav", "picklistOptionId": null, "required": true,
"sortable": true, "type": {
"name": "string", "path": "string"
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"path": "Benefit/createdBy", "picklistOptionId": null, "required": false,
"sortable": true, "type": {
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}, "updateable": false, "upsertable": false, "viewable": true
}, {
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
"insertable": true, "label": null, "maxLength": null, "name": "currencyNav",
"path": "Benefit/currencyNav", "picklistOptionId": null, "required": true,
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"name": "string", "path": "string"
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"path": "Benefit/employeeClaimWorkflowId", "picklistOptionId": null, "required": false,
"sortable": true, "type": {
"name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
}, {
"businessKey": true, "filterable": true, "id": false, "inlineRequired": null,
"insertable": true, "label": null, "maxLength": null, "name": "employeeContributionDetail",
"path": "Benefit/employeeContributionDetail", "picklistOptionId": null, "required": true,
"sortable": true, "type": {
"name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
}, {
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
"insertable": false, "label": null, "maxLength": null, "name": "effectiveEndDate",
"path": "Benefit/effectiveEndDate", "picklistOptionId": null, "required": false,
"sortable": true, "type": {
"name": "datetime", "path": "datetime"
}, "updateable": false, "upsertable": false, "viewable": true
}, {
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
"insertable": false, "label": null, "maxLength": null, "name": "effectiveStartDate",
"path": "Benefit/effectiveStartDate", "picklistOptionId": null, "required": true,
"sortable": true, "type": {
"name": "datetime", "path": "datetime"
}, "updateable": false, "upsertable": false, "viewable": true
}, {
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
"insertable": false, "label": null, "maxLength": null, "name": "employeeClaimWorkflowIdNav",
"path": "Benefit/employeeClaimWorkflowIdNav", "picklistOptionId": null, "required": false,
"sortable": true, "type": {
"name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
}, {
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
"insertable": true, "label": null, "maxLength": null, "name": "employeeContributionDetailNav",
"path": "Benefit/employeeContributionDetailNav", "picklistOptionId": null, "required": false,
"sortable": true, "type": {
"name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
}, {
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
"insertable": true, "label": null, "maxLength": null, "name": "employeeClaimWorkflowIdNav2",
"path": "Benefit/employeeClaimWorkflowIdNav2", "picklistOptionId": null, "required": false,
"sortable": true, "type": {
"name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
"employeeEnrollmentWorkflowId", "path" : "Benefit/employeeEnrollmentWorkflowId",
"picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}, { "businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"insertable" : false, "label" : null, "maxLength" : null, "name" : "employeeEnrollmentWorkflowIdNav", "path" : "Benefit/employeeEnrollmentWorkflowIdNav", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}, { "businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}, { "businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}, { "businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"name" : "bool", "path" : "bool"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}, { "businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"insertable" : false, "label" : null, "maxLength" : null, "name" : "enrollmentType", "path" : "Benefit/enrollmentType", "picklistOptionId" : null, "required" : true, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}, { "businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"name" : "decimal", "path" : "decimal"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}, { "businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"insertable" : false, "label" : null, "maxLength" : null, "name" : "exceptionWorkflowId", "path" : "Benefit/exceptionWorkflowId", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}, { "businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"insertable" : false, "label" : null, "maxLength" : null, "name" : "exceptionWorkflowIdNav", "path" : "Benefit/exceptionWorkflowIdNav", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}
"name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
], {
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "benefitProgramNav_of_Benefit/Benefit", "role": "Benefit"
}, "id": false, "inlineRequired": null, "insertable": false, "label": null,
"maxLength": null, "name": "benefitProgramNav", "path": "Benefit/ benefitProgramNav", "picklistOptionId": null, "relationship": {
"end1": {
"multiplicity": {
"name": "ZERO_TO_ONE"}, "symbolString": "0..1"
}, "path": "benefitProgramNav_of_Benefit/benefitProgramNav", "role": "benefitProgramNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "benefitProgramNav_of_Benefit/Benefit", "role": "Benefit"
}, "insertable": true, "name": "benefitProgramNav_of_Benefit", "updatable": true, "upsertable": true
}, "relationship": {
"end1": {
"multiplicity": {
"name": "ZERO_TO_ONE"}, "symbolString": "0..1"
}, "path": "benefitScheduleNav_of_Benefit/benefitScheduleNav", "role": "benefitScheduleNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "benefitScheduleNav_of_Benefit/Benefit", "role": "Benefit"
}, "insertable": true, "name": "benefitScheduleNav_of_Benefit", "updatable": true, "upsertable": true
}, "relationship": {
"end1": {
"multiplicity": {
"name": "ZERO_TO_ONE"}, "symbolString": "0..1"
}, "path": "benefitSpecificNav_of_Benefit/benefitSpecificNav", "role": "benefitSpecificNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "benefitSpecificNav_of_Benefit/Benefit", "role": "Benefit"
}, "insertable": true, "name": "benefitSpecificNav_of_Benefit", "updatable": true, "upsertable": true
}, "relationship": {
"end1": {
"multiplicity": {
"name": "ZERO_TO_ONE"}, "symbolString": "0..1"
}, "path": "benefitSpecificNav_of_Benefit/benefitSpecificNav", "role": "benefitSpecificNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "benefitSpecificNav_of_Benefit/Benefit", "role": "Benefit"
}, "insertable": true, "name": "benefitSpecificNav_of_Benefit", "updatable": true, "upsertable": true
}, "relationship": {
"multiplicity" : {
  "name" : "MANY", "symbolString" : "*"
}, "path" : "claimNav_of_Benefit/Benefit", "role" : "Benefit"
}, "id" : false, "inlineRequired" : null, "insertable" : true, "label" : null,
"maxLength" : null, "name" : "claimNav", "path" : "Benefit/claimNav",
"picklistOptionId" : null, "relationship" : {
  "end1" : {
  "multiplicity" : {
    "name" : "ZERO_TO_ONE", "symbolString" : "0..1"
  }, "path" : "claimNav_of_Benefit/claimNav", "role" : "claimNav"
  }, "end2" : {
  "multiplicity" : {
    "name" : "MANY", "symbolString" : "*"
  }, "path" : "claimNav_of_Benefit/Benefit", "role" : "Benefit"
  }, "required" : false, "sortable" : true, "toRole" : {
    "multiplicity" : {
      "name" : "ZERO_TO_ONE", "symbolString" : "0..1"
    }, "path" : "claimNav_of_Benefit/claimNav", "role" : "claimNav"
  }, "type" : {
    "name" : "string", "path" : "string"
  }, "updateable" : true, "upsertable" : true, "viewable" : true
},
"businessKey" : false, "filterable" : true, "fromRole" : {
  "multiplicity" : {
    "name" : "MANY", "symbolString" : "*"
  }, "path" : "countryNav_of_Benefit/Benefit", "role" : "Benefit"
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  }, "path" : "countryNav_of_Benefit/countryNav", "role" : "countryNav"
  }, "end2" : {
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  }, "path" : "countryNav_of_Benefit/Benefit", "role" : "Benefit"
  }, "insertable" : true, "name" : "countryNav_of_Benefit", "path" : "countryNav_of_Benefit",
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"businessKey" : false, "filterable" : true, "fromRole" : {
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### 8.1.3.2 BenefitProgram

This entity is a bucket or pool that contains more than one benefit.

#### Permissions

Table 194:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Manage Permission Roles &gt; Miscellaneous Permissions &gt; Assign the relevant permissions for BenefitProgram.</td>
</tr>
</tbody>
</table>

#### Required Provisioning Settings

- Enable benefits
Operations Allowed

Table 195:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query BenefitProgram records.</td>
</tr>
</tbody>
</table>

Properties

« Enter a short introductory text here »

Table 196:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>programName</td>
<td>The name of the program.</td>
</tr>
<tr>
<td>effectiveStartDate</td>
<td>The program start date.</td>
</tr>
<tr>
<td>amount</td>
<td>The cost of the program.</td>
</tr>
<tr>
<td>programEnrollmentWorkflowId</td>
<td>The enrollment workflow ID for the program.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 197:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BenefitProgram</td>
<td>benefits</td>
<td>Benefits associated to the program.</td>
</tr>
<tr>
<td>BenefitProgram</td>
<td>policyDocuments</td>
<td>Policy documents for the program.</td>
</tr>
<tr>
<td>BenefitProgram</td>
<td>forms</td>
<td>Forms related to the program.</td>
</tr>
<tr>
<td>BenefitProgram</td>
<td>usefulLinks</td>
<td>Links associated to the program.</td>
</tr>
</tbody>
</table>

Use Cases

Table 198:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
</table>
Entity Metadata

```json
{
  "id": {
    "_metadata": {
      "uri": "https://qacand.successfactors.com:443/odata/v2/Entity('BenefitProgram')",
      "type": "SFOData.Entity"
    },
    "path": "BenefitProgram",
    "insertable": true,
    "keyProperties": {
      "results": [
        {
          "businessKey": true,
          "filterable": true,
          "id": false,
          "inlineRequired": null,
          "insertable": true,
          "label": null,
          "maxLength": null,
          "name": "effectiveStartDate",
          "path": "BenefitProgram/effectiveStartDate",
          "picklistOptionId": null,
          "required": true,
          "sortable": true,
          "type": {
            "name": "datetime",
            "path": "datetime"
          },
          "updateable": true,
          "upsertable": true,
          "viewable": true
        },
        {
          "businessKey": true,
          "filterable": true,
          "id": false,
          "inlineRequired": null,
          "insertable": true,
          "label": null,
          "maxLength": null,
          "name": "programId",
          "path": "BenefitProgram/programId",
          "picklistOptionId": null,
          "required": false,
          "sortable": true,
          "type": {
            "name": "long",
            "path": "long"
          },
          "updateable": true,
          "upsertable": true,
          "viewable": true
        }
      ]
    }
  }
}
}
```
```
```
"exceptionWorkflowIdNav", "path" : "BenefitProgram/exceptionWorkflowIdNav",
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"picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
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"symbolString" : "*"  
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"role" : "asso_benefits"  
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"end2" : {  
"multiplicity" : {  
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"upsertable" : true  
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"role" : "asso_benefits"  
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}, "updateable": true, "upsertable": true, "viewable": true
}, "required": false, "sortable": true, "toRole": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "forms_of_BenefitProgram/asso_forms", "role": "asso_forms"
}, 
"relationship": {
"end1": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "forms_of_BenefitProgram/asso_forms", "role": "asso_forms"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "forms_of_BenefitProgram/asso_forms", "role": "asso_forms"
}, "type": {
"name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
},
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "mdfSystemRecordStatusNav_of_BenefitProgram/mdfSystemRecordStatusNav",
"role": "mdfSystemRecordStatusNav",
"name": "mdfSystemRecordStatusNav_of_BenefitProgram/mdfSystemRecordStatusNav",
"path": "mdfSystemRecordStatusNav_of_BenefitProgram/mdfSystemRecordStatusNav",
"type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true
},
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "mdfSystemRecordStatusNav_of_BenefitProgram/mdfSystemRecordStatusNav",
"role": "mdfSystemRecordStatusNav",
"name": "mdfSystemRecordStatusNav_of_BenefitProgram/mdfSystemRecordStatusNav",
"path": "mdfSystemRecordStatusNav_of_BenefitProgram/mdfSystemRecordStatusNav",
"type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true
},
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "mdfSystemStatusNav_of_BenefitProgram/mdfSystemStatusNav",
"role": "mdfSystemStatusNav_of_BenefitProgram/mdfSystemStatusNav",
"name": "mdfSystemStatusNav_of_BenefitProgram/mdfSystemStatusNav",
"path": "mdfSystemStatusNav_of_BenefitProgram/mdfSystemStatusNav",
"type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true
},
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "mdfSystemStatusNav_of_BenefitProgram/mdfSystemStatusNav",
"role": "mdfSystemStatusNav_of_BenefitProgram/mdfSystemStatusNav",
"name": "mdfSystemStatusNav_of_BenefitProgram/mdfSystemStatusNav",
"path": "mdfSystemStatusNav_of_BenefitProgram/mdfSystemStatusNav",
"type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true
}
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>mdfSystemStatusNav</td>
<td>Represents the system status navigation</td>
<td>Properties include &quot;maxLength&quot;, &quot;name&quot;, &quot;path&quot;, &quot;picklistOptionId&quot;, and &quot;relationship&quot;.</td>
</tr>
<tr>
<td>policyDocuments</td>
<td>Represents policy documents</td>
<td>Properties include &quot;businessKey&quot;, &quot;filterable&quot;, &quot;fromRole&quot;, &quot;insertable&quot;, &quot;label&quot;, &quot;maxLength&quot;, &quot;name&quot;, &quot;path&quot;, &quot;relationship&quot;, and &quot;type&quot;.</td>
</tr>
<tr>
<td>programEnrollmentWorkflowIdNav</td>
<td>Represents program enrollment workflow ID navigation</td>
<td>Properties include &quot;businessKey&quot;, &quot;filterable&quot;, &quot;fromRole&quot;, &quot;insertable&quot;, &quot;label&quot;, &quot;maxLength&quot;, &quot;name&quot;, &quot;path&quot;, &quot;relationship&quot;, and &quot;type&quot;.</td>
</tr>
</tbody>
</table>
"multiplicity": {
  "name": "ONE", "symbolString": "1"
},
"path": "programEnrollmentWorkflowIdNav_of_BenefitProgram/FOWfConfig_ref",
"role": "FOWfConfig_ref"
},
"insertable": true, "name": "programEnrollmentWorkflowIdNav_of_BenefitProgram", "path": "programEnrollmentWorkflowIdNav_of_BenefitProgram", "updatable": true,
"upsertable": true
},
"required": false, "sortable": true, "toRole": {
"multiplicity": {
  "name": "ONE", "symbolString": "1"
},
"path": "programEnrollmentWorkflowIdNav_of_BenefitProgram/FOWfConfig_ref",
"role": "FOWfConfig_ref"
},
"type": {
  "name": "string", "path": "string"
},
"updateable": false, "upsertable": false, "viewable": true
},
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
  "name": "MANY", "symbolString": "*"
},
"path": "programScheduleNav_of_BenefitProgram/BenefitProgram", "role": "BenefitProgram"
},
"id": false, "inlineRequired": null, "insertable": true, "label": null,
"maxLength": null, "name": "programScheduleNav", "path": "BenefitProgram/programScheduleNav", "picklistOptionId": null, "relationship": {
  "end1": {
"multiplicity": {
  "name": "ONE", "symbolString": "1"
},
"path": "programScheduleNav_of_BenefitProgram/programScheduleNav", "role": "programScheduleNav"
},
"end2": {
"multiplicity": {
  "name": "MANY", "symbolString": "*"
},
"path": "programScheduleNav_of_BenefitProgram/BenefitProgram", "role": "BenefitProgram"
},
"insertable": true, "name": "programScheduleNav_of_BenefitProgram", "path": "programScheduleNav_of_BenefitProgram", "updatable": true, "upsertable": true
},
"required": true, "sortable": true, "toRole": {
"multiplicity": {
  "name": "ONE", "symbolString": "1"
},
"path": "programScheduleNav_of_BenefitProgram/programScheduleNav", "role": "programScheduleNav"
},
"type": {
  "name": "string", "path": "string"
},
"updateable": true, "upsertable": true, "viewable": true
},
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
  "name": "MANY", "symbolString": "*"
},
"path": "statusNav_of_BenefitProgram/BenefitProgram", "role": "BenefitProgram"
},
"id": false, "inlineRequired": null, "insertable": false, "label": null,
"maxLength": null, "name": "statusNav", "path": "BenefitProgram/statusNav", "picklistOptionId": null, "relationship": {
  "end1": {
"multiplicity": {
  "name": "ONE", "symbolString": "1"
},
"path": "statusNav_of_BenefitProgram/statusNav", "role": "statusNav"
},
"end2": {
"multiplicity": {
  "name": "MANY", "symbolString": "*"
},
"path": "statusNav_of_BenefitProgram/BenefitProgram", "role": "BenefitProgram"
},
"insertable": true, "name": "statusNav_of_BenefitProgram", "path": "statusNav_of_BenefitProgram", "updatable": true, "upsertable": true
},
"required": false, "sortable": true, "toRole": {
"multiplicity": {
  "name": "ONE", "symbolString": "1"
},
"path": "statusNav_of_BenefitProgram/statusNav", "role": "statusNav"
},
"type": {
8.1.4 Deductions

8.1.4.1 DeductionScreenId

This entity provides the screen IDs that are required for configuring the Deduction UI in Employee Central.

Permissions

Table 199:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools Manage Permission Roles Miscellaneous Permissions Assign the relevant permissions for DeductionScreenId.</td>
</tr>
</tbody>
</table>
Operations Allowed

Table 200:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query the deduction screen ID.</td>
</tr>
</tbody>
</table>

Properties

Table 201:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>externalcode</td>
<td>A unique code for the Deduction screen.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 202:

<table>
<thead>
<tr>
<th>Navigation Properties</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>configUiMetaNav/</td>
<td>ConfigUiMeta</td>
<td>The association between DeductionScreenId and ConfigUiMeta.</td>
</tr>
</tbody>
</table>

Use Cases

Table 203:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="https://qacand.successfactors.com/odata/v2/DeductionScreenId">https://qacand.successfactors.com/odata/v2/DeductionScreenId</a></td>
<td>Queries all instances of DeductionScreenId.</td>
</tr>
</tbody>
</table>

Entity Metadata

```json
{
    "d": {
        "metadata": {
            "uri": "https://qacand.successfactors.com:443/odata/v2/Entity('DeductionScreenId')", "type": "SFOData.Entity"
        },
        "path": "DeductionScreenId",
        "insertable": true,
        "keyProperties": {
            "results": [
                {"businessKey": true,
                    "filterable": true,
                    "id": false,
                    "inlineRequired": null,
                    "insertable": true,
                    "label": null,
                    "maxLength": 128,
                    "name": "externalCode",
                    "path": "DeductionScreenId/externalCode",
                    "picklistOptionId": null,
                    "required": false,
                    "sortable": true,
                    "type": 
```
{ "name" : "string", "path" : "string" }, "updateable" : true, "upsertable" : true, "viewable" : true }]
"updateable" : true, "name" : "DeductionScreenId", "updateable" : true, "deletable" : true, "properties" : {
  "results" : [
    {
      "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
        "name" : "string", "path" : "string" }, "updateable" : false, "upsertable" : false, "viewable" : true
      },
      "path" : "DeductionScreenId/externalCode",
      "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
        "name" : "string", "path" : "string" }, "updateable" : true, "upsertable" : true, "viewable" : true
    },
    {
      "path" : "DeductionScreenId/mdfSystemCreatedBy",
      "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
        "name" : "string", "path" : "string" }, "updateable" : false, "upsertable" : false, "viewable" : true
    },
    {
      "businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, "maxLength" : 128, "name" : "mdfSystemCreatedDate",
      "path" : "DeductionScreenId/mdfSystemCreatedDate",
      "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
        "name" : "datetime", "path" : "datetime" }, "updateable" : false, "upsertable" : false, "viewable" : true
    },
    {
      "businessKey" : true, "filterable" : true, "id" : false, "inlineRequired" : null, "insertable" : true, "label" : null, "maxLength" : 128, "name" : "mdfSystemEffectiveEndDate",
      "path" : "DeductionScreenId/mdfSystemEffectiveEndDate",
      "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
        "name" : "datetime", "path" : "datetime" }, "updateable" : false, "upsertable" : false, "viewable" : true
    },
    {
      "path" : "DeductionScreenId/mdfSystemEffectiveStartDate",
      "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
        "name" : "datetime", "path" : "datetime" }, "updateable" : false, "upsertable" : false, "viewable" : true
    },
    {
      "path" : "DeductionScreenId/mdfSystemLastModifiedBy",
      "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
        "name" : "string", "path" : "string" }, "updateable" : false, "upsertable" : false, "viewable" : true
    },
    {
      "businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, "maxLength" : 255, "name" : "mdfSystemLastModifiedDate",
      "path" : "DeductionScreenId/mdfSystemLastModifiedDate",
      "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
        "name" : "datetime", "path" : "datetime" }, "updateable" : false, "upsertable" : false, "viewable" : true
    }
  ]
}
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemLastModifiedDateWithTZ", "path": "DeductionScreenId/mdfSystemLastModifiedDateWithTZ", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "datetimeoffset", "path": "datetimeoffset" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": 255, "name": "mdfSystemObjectType", "path": "DeductionScreenId/mdfSystemObjectType", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": 255, "name": "mdfSystemRecordStatus", "path": "DeductionScreenId/mdfSystemRecordStatus", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": 255, "name": "mdfSystemStatus", "path": "DeductionScreenId/mdfSystemStatus", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": 255, "name": "mdfSystemStatusNav", "path": "DeductionScreenId/mdfSystemStatusNav", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": 255, "name": "mdfSystemTransactionSequence", "path": "DeductionScreenId/mdfSystemTransactionSequence", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "long", "path": "long" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": 255, "name": "mdfSystemVersionId", "path": "DeductionScreenId/mdfSystemVersionId", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "long", "path": "long" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": 255, "name": "rowId", "path": "DeductionScreenId/rowId", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "long", "path": "long" }, "updateable": false, "upsertable": false, "viewable": true } ]
}]

"effectiveDated": false, "upsertable": false, "viewable": true
}
]
"navigationProperties": [{
"businessKey": true, "filterable": true, "id": true, "inlineRequired": false, "insertable": true, "label": null, "maxLength": null, "name": "DeductionScreenId", "path": "DeductionScreenId", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": true, "upsertable": true, "viewable": true }, 
"businessKey": true, "filterable": true, "id": true, "inlineRequired": false, "insertable": true, "label": null, "maxLength": null, "name": "DeductionScreenIdName", "path": "DeductionScreenIdName", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": true, "upsertable": true, "viewable": true }
]
8.1.4.2 OneTimeDeduction

This entity creates nonrecurring deductions for employees.

Permissions

Table 204:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Manage Permission Roles &gt; Manage Deductions &gt; Assign the relevant permissions for deductions.</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 205:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Queries one-time deductions.</td>
</tr>
</tbody>
</table>

Properties

Table 206:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>externalcode</td>
<td>A unique code for a one-time deduction object.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 207:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>payComponentDataSourceNav</td>
<td>PayComponentDataSourceOTD</td>
<td>The association between OneTimeDeduction and PayComponent.</td>
</tr>
<tr>
<td>currencyNav</td>
<td>Currency</td>
<td>The association between OneTimeDeduction and Currency.</td>
</tr>
<tr>
<td>nonRecurringPaymentNav</td>
<td>NonRecurringPayment</td>
<td>The association between OneTimeDeduction and NonRecurringPayment.</td>
</tr>
</tbody>
</table>
Use Cases

Table 208:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="https://qacand.successfactors.com/odata/v2/OneTimeDeduction">https://qacand.successfactors.com/odata/v2/OneTimeDeduction</a></td>
<td>Queries all instances OneTimeDeduction.</td>
</tr>
</tbody>
</table>

Entity Metadata

```json
{
    "d": {
        "__metadata": {
            "uri": "https://qacand.successfactors.com:443/odata/v2/Entity('OneTimeDeduction')", "type": "SFOData.Entity"
        },
        "path": "OneTimeDeduction",
        "insertable": true,
        "keyProperties": {
            "results": [
                {
                    "businessKey": true,
                    "filterable": true,
                    "id": false,
                    "inlineRequired": null,
                    "insertable": true,
                    "label": null,
                    "maxLength": null,
                    "name": "externalCode",
                    "path": "OneTimeDeduction/externalCode",
                    "picklistOptionId": null,
                    "required": false,
                    "sortable": true,
                    "type": {
                        "name": "long",
                        "path": "long"
                    },
                    "updateable": true,
                    "upsertable": true,
                    "viewable": true
                }
            ]
        },
        "upsertable": true,
        "name": "OneTimeDeduction",
        "updatable": true,
        "deletable": true,
        "properties": {
            "results": [
                {
                    "businessKey": false,
                    "filterable": true,
                    "id": false,
                    "inlineRequired": null,
                    "insertable": true,
                    "label": null,
                    "maxLength": null,
                    "name": "advanceIdNav",
                    "path": "OneTimeDeduction/advanceIdNav",
                    "picklistOptionId": null,
                    "required": false,
                    "sortable": true,
                    "type": {
                        "name": "string",
                        "path": "string"
                    },
                    "updateable": true,
                    "upsertable": true,
                    "viewable": true
                },
                {
                    "businessKey": false,
                    "filterable": true,
                    "id": false,
                    "inlineRequired": null,
                    "insertable": true,
                    "label": null,
                    "maxLength": null,
                    "name": "amount",
                    "path": "OneTimeDeduction/amount",
                    "picklistOptionId": null,
                    "required": true,
                    "sortable": true,
                    "type": {
                        "name": "decimal",
                        "path": "decimal"
                    },
                    "updateable": true,
                    "upsertable": true,
                    "viewable": true
                },
                {
                    "businessKey": false,
                    "filterable": true,
                    "id": false,
                    "inlineRequired": null,
                    "insertable": true,
                    "label": null,
                    "maxLength": null,
                    "name": "auditUserSysIdNav",
                    "path": "OneTimeDeduction/auditUserSysIdNav",
                    "picklistOptionId": null,
                    "required": false,
                    "sortable": true,
                    "type": {
                        "name": "string",
                        "path": "string"
                    },
                    "updateable": false,
                    "upsertable": false,
                    "viewable": true
                },
                {
                    "businessKey": false,
                    "filterable": true,
                    "id": false,
                    "inlineRequired": null,
                    "insertable": true,
                    "label": null,
                    "maxLength": null,
                    "name": "currencyNav",
                    "path": "OneTimeDeduction/currencyNav",
                    "picklistOptionId": null,
                    "required": true,
                    "sortable": true,
                    "type": {
                        "name": "string",
                        "path": "string"
                    },
                    "updateable": true,
                    "upsertable": true,
                    "viewable": true
                },
                {
                    "businessKey": false,
                    "filterable": true,
                    "id": false,
                    "inlineRequired": null,
                    "insertable": true,
                    "label": null,
                    "maxLength": null,
                    "name": "deductionDate",
                    "path": "OneTimeDeduction/deductionDate",
                    "picklistOptionId": null,
                    "required": false,
                    "sortable": true,
                    "type": {
                        "name": "date",
                        "path": "date"
                    },
                    "updateable": true,
                    "upsertable": true,
                    "viewable": true
                }
            ]
        }
    }
}
```
"path": "OneTimeDeduction/rowId", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "long", "path": "long" }, "updateable": false, "upsertable": false, "viewable": true
}, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": true, "label": null, "maxLength": null, "name": "userSysIdNav", "path": "OneTimeDeduction/userSysIdNav", "picklistOptionId": null, "required": true, "sortable": true, "type": {
"name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
}
}, "effectiveDated": false, "navigationProperties": {
"results": [
{
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "advanceIdNav_of_OneTimeDeduction/OneTimeDeduction", "role": "OneTimeDeduction"
}, "id": false, "inlineRequired": null, "insertable": true, "label": null, "maxLength": null, "name": "advanceIdNav", "path": "OneTimeDeduction/advanceIdNav", "picklistOptionId": null, "relationship": {
"end1": {
"multiplicity": {
"name": "ZERO_TO_ONE", "symbolString": "0..1"
}, "path": "advanceIdNav_of_OneTimeDeduction/advanceIdNav", "role": "advanceIdNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "advanceIdNav_of_OneTimeDeduction/OneTimeDeduction", "role": "OneTimeDeduction"
}, "insertable": true, "name": "advanceIdNav_of_OneTimeDeduction", "path": "advanceIdNav_of_OneTimeDeduction", "updatable": true, "upsertable": true
}, "required": false, "sortable": true, "toRole": {
"multiplicity": {
"name": "ZERO_TO_ONE", "symbolString": "0..1"
}, "path": "advanceIdNav_of_OneTimeDeduction/advanceIdNav", "role": "advanceIdNav"
}, "type": {
"name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
},
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "auditUserSysIdNav_of_OneTimeDeduction/OneTimeDeduction", "role": "OneTimeDeduction"
}, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "auditUserSysIdNav", "path": "OneTimeDeduction/auditUserSysIdNav", "picklistOptionId": null, "relationship": {
"end1": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "auditUserSysIdNav_of_OneTimeDeduction/auditUserSysIdNav", "role": "auditUserSysIdNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "auditUserSysIdNav_of_OneTimeDeduction/OneTimeDeduction", "role": "OneTimeDeduction"
}, "insertable": true, "name": "auditUserSysIdNav_of_OneTimeDeduction", "path": "auditUserSysIdNav_of_OneTimeDeduction", "updatable": true, "upsertable": true
}, "required": false, "sortable": true, "toRole": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "auditUserSysIdNav_of_OneTimeDeduction/auditUserSysIdNav", "role": "auditUserSysIdNav"}
8.1.4.3 RecurringDeduction

An entity used for subtracting expenses from the gross income of employees.

Permissions

Table 209:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools › Manage Permission Roles › Miscellaneous Permissions Assign the relevant permissions for RecurringDeductions.</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

- Enable deductions from provisioning
- Enable Generic Objects
- Effective Dated Data Platform
- Attachment Manager

Operations Allowed

Table 210:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query the recurring deductions for a user.</td>
</tr>
</tbody>
</table>
Properties

Table 211:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>userSysId</td>
<td>A unique code or external code that represents a user of a deduction.</td>
</tr>
<tr>
<td>effectiveStartDate</td>
<td>The effective start date of a recurring deduction.</td>
</tr>
<tr>
<td>effectiveEndDate</td>
<td>The effective end date of a recurring deduction.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 212:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>recurringItem</td>
<td>RecurringDeduction</td>
<td>An association between a recurring deduction and its composites recurring items.</td>
</tr>
<tr>
<td>mdfSystemRecordStatusNav/key</td>
<td>MDFEnumValue</td>
<td>An association between Country and MDFEnumValue.</td>
</tr>
<tr>
<td>mdfSystemRecordStatusNav/value</td>
<td>MDFEnumValue</td>
<td>An association between Country and MDFEnumValue.</td>
</tr>
</tbody>
</table>

Use Cases

Table 213:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="https://system-url/odata/v2/RecurringDeduction?$expand=recurringItem&amp;$format=json">https://system-url/odata/v2/RecurringDeduction?$expand=recurringItem&amp;$format=json</a></td>
<td>Retrieves the child(recurring items) of RecurringDeduction.</td>
</tr>
</tbody>
</table>

Entity Metadata

```javascript
{
   "d" : {
   "__metadata" : {
   "path" : "RecurringDeduction", "insertable" : true, "keyProperties" : {
   "results" : [ 
   ```
]
], "upsertable" : true, "name" : "RecurringDeduction", "updatable" : true, "deletable" : true, "properties" : { "results" : [
"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, "maxLength" : 255, "name" :
"mdfSystemObjectType", "path" : "RecurringDeduction/mdfSystemObjectType", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
  "name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, "maxLength" : 255, "name" :
"mdfSystemRecordStatus", "path" : "RecurringDeduction/mdfSystemRecordStatus", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
  "name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, "maxLength" : 255, "name" :
"mdfSystemRecordStatusNav", "path" : "RecurringDeduction/mdfSystemRecordStatusNav", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
  "name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, "maxLength" : 255, "name" :
"mdfSystemStatus", "path" : "RecurringDeduction/mdfSystemStatus", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
  "name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, "maxLength" : 255, "name" :
"mdfSystemStatusNav", "path" : "RecurringDeduction/mdfSystemStatusNav", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
  "name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, "maxLength" : 255, "name" :
"mdfSystemTransactionSequence", "path" : "RecurringDeduction/mdfSystemTransactionSequence", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
  "name" : "long", "path" : "long"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, "maxLength" : 255, "name" :
"mdfSystemVersionId", "path" : "RecurringDeduction/mdfSystemVersionId", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
  "name" : "long", "path" : "long"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
  "name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}, {
  "name" : "long", "path" : "long"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
  "name" : "long", "path" : "long"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
  "name" : "long", "path" : "long"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
  "name" : "long", "path" : "long"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
  "name" : "long", "path" : "long"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}
"name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
],
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
"insertable": true, "label": null, "maxLength": null, "name": "userSysIdNav",
"path": "RecurringDeduction/userSysIdNav", "picklistOptionId": null, "required": false,
"sortable": true, "type": {
"name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
}
]}
"effectiveDated": true, "navigationProperties": {
"results": [
{
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "mdfSystemRecordStatusNav_of_RecurringDeduction/RecurringDeduction",
"role": "RecurringDeduction"
}, "id": false, "inlineRequired": null, "insertable": false, "label": null,
"maxLength": null, "name": "mdfSystemRecordStatusNav", "path": "RecurringDeduction/mdfSystemRecordStatusNav", "picklistOptionId": null,
"required": false, "sortable": true, "toRole": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "mdfSystemRecordStatusNav_of_RecurringDeduction/mdfSystemRecordStatusNav", "role": "mdfSystemRecordStatusNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "mdfSystemRecordStatusNav_of_RecurringDeduction/RecurringDeduction",
"role": "RecurringDeduction"
}, "insertable": true, "name": "mdfSystemRecordStatusNav_of_RecurringDeduction",
"path": "mdfSystemRecordStatusNav_of_RecurringDeduction", "updatable": true,
"upsertable": true
}, "required": false, "sortable": true, "toRole": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "mdfSystemRecordStatusNav_of_RecurringDeduction/mdfSystemRecordStatusNav", "role": "mdfSystemRecordStatusNav"
}, "type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true
},
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "mdfSystemStatusNav_of_RecurringDeduction/RecurringDeduction",
"role": "RecurringDeduction"
}, "id": false, "inlineRequired": null, "insertable": false, "label": null,
"maxLength": null, "name": "mdfSystemStatusNav", "path": "RecurringDeduction/mdfSystemStatusNav",
"picklistOptionId": null, "relationship": {
"end1": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "mdfSystemStatusNav_of_RecurringDeduction/mdfSystemStatusNav", "role": "mdfSystemStatusNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "mdfSystemStatusNav_of_RecurringDeduction/RecurringDeduction",
"role": "RecurringDeduction"
}, "insertable": true, "name": "mdfSystemStatusNav_of_RecurringDeduction",
"path": "mdfSystemStatusNav_of_RecurringDeduction", "updatable": true,
"upsertable": true
}, "required": false, "sortable": true, "toRole": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "mdfSystemStatusNav_of_RecurringDeduction/mdfSystemStatusNav", "role": "mdfSystemStatusNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "mdfSystemStatusNav_of_RecurringDeduction/RecurringDeduction",
"role": "RecurringDeduction"
}, "insertable": true, "name": "mdfSystemStatusNav_of_RecurringDeduction",
"path": "mdfSystemStatusNav_of_RecurringDeduction", "updatable": true,
"upsertable": true
}, "required": false, "sortable": true, "toRole": {
"multiplicity": {"name": "MANY", "symbolString": "*"
}, "path": "mdfSystemStatusNav_of_RecurringDeduction/RecurringDeduction",
"role": "RecurringDeduction"
}, "insertable": true, "name": "mdfSystemStatusNav_of_RecurringDeduction",
"path": "mdfSystemStatusNav_of_RecurringDeduction", "updatable": true,
"upsertable": true
}, "required": false, "sortable": true, "toRole": {
"multiplicity": {"name": "MANY", "symbolString": "*"
}, "path": "mdfSystemStatusNav_of_RecurringDeduction/RecurringDeduction",
"role": "RecurringDeduction"
}, "insertable": true, "name": "mdfSystemStatusNav_of_RecurringDeduction",
"path": "mdfSystemStatusNav_of_RecurringDeduction", "updatable": true,
"upsertable": true
}}
8.1.5 Income Tax Declaration

8.1.5.1 DeclarationType

This entity is used to categorize or group investment types that are under the same category as 80C.

Permissions

Table 214:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to <a href="#">Admin Tools ➔ Manage Permission Roles ➔ Miscellaneous Permissions ➔ Assign relevant permissions for Declaration Type.</a></td>
</tr>
</tbody>
</table>

Required Provisioning Settings

- Enable IT Declarations
- Enable Fiscal Year
- Enable Generic Objects
- Effective Dated Data Platform
- Enable the Attachment Manager

Operations Allowed

Table 215:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a Declaration Type Record.</td>
</tr>
</tbody>
</table>
Properties

Table 216:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>externalCode</td>
<td>A unique code for the declaration type</td>
</tr>
</tbody>
</table>

Navigation Properties

None.

Use Cases

Table 217:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="https://system-url/odata/v2/DeclarationType">https://system-url/odata/v2/DeclarationType</a></td>
<td>Queries a call to to fetch instances of DeclarationType.</td>
</tr>
</tbody>
</table>

Entity Metadata

```json
{
  "d": {
    "__metadata": {
      "uri": "https://qacand.successfactors.com:443/odata/v2/Entity('DeclarationType')",
      "type": "SFOData.Entity"
    },
    "path": "DeclarationType",
    "insertable": true,
    "keyProperties": [
      {
        "businessKey": true,
        "filterable": true,
        "id": false,
        "inlineRequired": null,
        "insertable": true,
        "label": null,
        "maxLength": 128,
        "name": "externalCode",
        "path": "DeclarationType/externalCode",
        "picklistOptionId": null,
        "required": true,
        "sortable": true,
        "type": {
          "name": "string",
          "path": "string"
        },
        "updateable": true,
        "upsertable": true,
        "viewable": true
      },
      {
        "businessKey": false,
        "filterable": true,
        "id": false,
        "inlineRequired": null,
        "insertable": true,
        "label": null,
        "maxLength": 128,
        "name": "externalName",
        "path": "DeclarationType/externalName",
        "picklistOptionId": null,
        "required": true,
        "sortable": true,
        "type": {
          "name": "string",
          "path": "string"
        },
        "updateable": true,
        "upsertable": true,
        "viewable": true
      }
    ],
    "upsertable": true,
    "name": "DeclarationType",
    "updatable": true,
    "deletable": true,
    "properties": {
      "results": [
        {
          "businessKey": true,
          "filterable": true,
          "id": false,
          "inlineRequired": null,
          "insertable": true,
          "label": null,
          "maxLength": 128,
          "name": "externalCode",
          "path": "DeclarationType/externalCode",
          "picklistOptionId": null,
          "required": true,
          "sortable": true,
          "type": {
            "name": "string",
            "path": "string"
          },
          "updateable": true,
          "upsertable": true,
          "viewable": true
        },
        {
          "businessKey": false,
          "filterable": true,
          "id": false,
          "inlineRequired": null,
          "insertable": true,
          "label": null,
          "maxLength": 128,
          "name": "externalName",
          "path": "DeclarationType/externalName",
          "picklistOptionId": null,
          "required": true,
          "sortable": true,
          "type": {
            "name": "string",
            "path": "string"
          },
          "updateable": true,
          "upsertable": true,
          "viewable": true
        }
      ]
    }
  }
}
```
"path": "DeclarationType/externalName", "picklistOptionId": null, "required": true, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": true, "upsertable": true, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": 255, "name": "mdfSystemCreatedBy", "path": "DeclarationType/mdfSystemCreatedBy", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemCreateDate", "path": "DeclarationType/mdfSystemCreateDate", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "datetime", "path": "datetime" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemEffectiveEndDate", "path": "DeclarationType/mdfSystemEffectiveEndDate", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "datetime", "path": "datetime" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemEffectiveStartDate", "path": "DeclarationType/mdfSystemEffectiveStartDate", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "datetime", "path": "datetime" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemLastModifiedBy", "path": "DeclarationType/mdfSystemLastModifiedBy", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemLastModifiedDate", "path": "DeclarationType/mdfSystemLastModifiedDate", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "datetime", "path": "datetime" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemLastModifiedDateWithTZ", "path": "DeclarationType/mdfSystemLastModifiedDateWithTZ", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "datetimeoffset", "path": "datetimeoffset" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": 255, "name": "mdfSystemObjectType", "path": "DeclarationType/mdfSystemObjectType", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": 255, "name": "mdfSystemRecordStatus", "path": "DeclarationType/mdfSystemRecordStatus", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "string", "path": "string" } }
},
},
},
},
},
},
};
"effectiveDated" : false, "navigationProperties" : {
"results" : [
{ "businessKey" : false, "filterable" : true, "fromRole" : {
"multiplicity" : { "name" : "MANY", "symbolString" : "*" }, "path" : "mdfSystemRecordStatusNav_of_DeclarationType/DeclarationType", "role" : "DeclarationType" }, "id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, "maxLength" : null, "name" : "mdfSystemRecordStatusNav", "path" : "DeclarationType/mdfSystemRecordStatusNav", "picklistOptionId" : null, "relationship" : { "end1" : { "multiplicity" : { "name" : "ONE", "symbolString" : "1" "name" : "manyRoles", "symbolString" : "many" } } } }]
}
8.1.5.2 ItDeclaration

This entity is used to propose tax declaration records and submit tax declarations actuals.
Permissions

Table 218:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools ➔ Manage Permission Roles ➔ Miscellaneous Permissions ➔ Assign the relevant permissions for ItDeclaration.</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

- Enable generic objects
- Enable IT declarations
- Enable Fiscal Year

Operations Allowed

Table 219:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query ItDeclaration.</td>
</tr>
</tbody>
</table>

Properties

Table 220:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>externalcode</td>
<td>A unique code for ItDeclaration.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 221:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>itDeclInvestmentTypeNav/</td>
<td>ItDeclInvestmentType</td>
<td>The association between ItDeclaration and ItDeclInvestmentType.</td>
</tr>
<tr>
<td>declarationTypeNav/</td>
<td>DeclarationType</td>
<td>The association between ItDeclaration and DeclarationType.</td>
</tr>
</tbody>
</table>
Use Cases

Table 222:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>https://qacand.successfactors.com/odata/v2/ItDeclaration</code></td>
<td>Queries all the details of the ItDeclaration MDF object.</td>
</tr>
</tbody>
</table>

Entity Metadata

```json
{
  "d": {
    "__metadata": {
      "uri": "https://qacand.successfactors.com:443/odata/v2/Entity('ItDeclaration')",
      "type": "SFOData.Entity"
    },
    "path": "ItDeclaration",
    "insertable": true,
    "keyProperties": {
      "results": [
        {
          "businessKey": true,
          "filterable": true,
          "id": false,
          "inlineRequired": null,
          "insertable": true,
          "label": "null",
          "maxLength": null,
          "name": "effectiveStartDate",
          "path": "ItDeclaration/effectiveStartDate",
          "picklistOptionId": null,
          "required": true,
          "sortable": true,
          "type": {
            "name": "datetime",
            "path": "datetime"
          },
          "updateable": true,
          "upsertable": true,
          "viewable": true
        },
        {
          "businessKey": true,
          "filterable": true,
          "id": false,
          "inlineRequired": null,
          "insertable": true,
          "label": "null",
          "maxLength": 128,
          "name": "externalCode",
          "path": "ItDeclaration/externalCode",
          "picklistOptionId": null,
          "required": true,
          "sortable": true,
          "type": {
            "name": "string",
            "path": "string"
          },
          "updateable": true,
          "upsertable": true,
          "viewable": true
        }
      ],
      "upsertable": true,
      "name": "ItDeclaration",
      "updatable": true,
      "deletable": true,
      "properties": {
        "results": [
          {
            "businessKey": false,
            "filterable": true,
            "id": false,
            "inlineRequired": null,
            "insertable": true,
            "label": "null",
            "maxLength": null,
            "name": "amount",
            "path": "ItDeclaration/amount",
            "picklistOptionId": null,
            "required": true,
            "sortable": true,
            "type": {
              "name": "decimal",
              "path": "decimal"
            },
            "updateable": true,
            "upsertable": true,
            "viewable": true
          },
          {
            "businessKey": false,
            "filterable": true,
            "id": false,
            "inlineRequired": null,
            "insertable": false,
            "label": "null",
            "maxLength": 255,
            "name": "approvalStatus",
            "path": "ItDeclaration/approvalStatus",
            "picklistOptionId": null,
            "required": false,
            "sortable": true,
            "type": {
              "name": "string",
              "path": "string"
            },
            "updateable": false,
            "upsertable": false,
            "viewable": true
          },
          {
            "businessKey": false,
            "filterable": true,
            "id": false,
            "inlineRequired": null,
            "insertable": false,
            "label": "null",
            "maxLength": null,
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            "path": "ItDeclaration/approvalStatusNav",
            "picklistOptionId": null,
            "required": false,
            "sortable": true,
            "type": {
              "name": "string",
              "path": "string"
            },
            "updateable": false,
            "upsertable": false,
            "viewable": true
          },
          {
            "businessKey": false,
            "filterable": true,
            "id": false,
            "inlineRequired": null,
            "insertable": false,
            "label": "null",
            "maxLength": 255,
            "name": "category",
            "path": "ItDeclaration/category",
            "picklistOptionId": null,
            "required": false,
            "sortable": true,
            "type": {
              "name": "string",
              "path": "string"
            },
            "updateable": false,
            "upsertable": false,
            "viewable": true
          }
        ]
      }
    }
  }
}```
<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>mdfSystemEffectiveEndDate</td>
<td>datetime</td>
<td>The effective end date of the system.</td>
</tr>
<tr>
<td>mdfSystemLastModifiedBy</td>
<td>string</td>
<td>The user ID of the last modification.</td>
</tr>
<tr>
<td>mdfSystemLastModifiedDate</td>
<td>datetime</td>
<td>The date of the last modification.</td>
</tr>
<tr>
<td>mdfSystemLastModifiedDateWithTZ</td>
<td>datetimeoffset</td>
<td>The date and time of the last modification.</td>
</tr>
<tr>
<td>mdfSystemObjectType</td>
<td>string</td>
<td>The object type of the system.</td>
</tr>
<tr>
<td>mdfSystemRecordStatus</td>
<td>string</td>
<td>The record status of the system.</td>
</tr>
<tr>
<td>mdfSystemRecordStatusNav</td>
<td>string</td>
<td>The navigation of the record status.</td>
</tr>
<tr>
<td>mdfSystemTransactionSequence</td>
<td></td>
<td>The transaction sequence of the system.</td>
</tr>
</tbody>
</table>

---

**Note:**
- The above fields are part of the **HCM Suite OData API**.
- The details provided are not exhaustive and may vary depending on the specific scenario or use case.
- For more information, refer to the official SAP documentation.
"mdfSystemTransactionSequence": null, "required": false, "sortable": true, "type": { "name": "long", "path": "long" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemVersionId", "path": "ItDeclaration/mdfSystemVersionId", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "long", "path": "long" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "postingDate", "path": "ItDeclaration/postingDate", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "datetime", "path": "datetime" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "rowId", "path": "ItDeclaration/rowId", "picklistOptionId": null, "required": false, "sortable": true, "type": { "name": "long", "path": "long" }, "updateable": false, "upsertable": false, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "typeNav", "path": "ItDeclaration/typeNav", "picklistOptionId": null, "required": true, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": true, "upsertable": true, "viewable": true }, { "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": true, "label": null, "maxLength": null, "name": "userSysIdNav", "path": "ItDeclaration/userSysIdNav", "picklistOptionId": null, "required": true, "sortable": true, "type": { "name": "string", "path": "string" }, "updateable": true, "upsertable": true, "viewable": true }, { "businessKey": false, "filterable": true, "fromRole": { "multiplicity": { "name": "MANY", "symbolString": "*" }, "path": "approvalStatusNav_of_ItDeclaration/ItDeclaration", "role": "ItDeclaration" }, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "approvalStatusNav", "path": "ItDeclaration/approvalStatusNav", "picklistOptionId": null, "relationship": { "end1": { "multiplicity": { "name": "ONE", "symbolString": "1" }, "path": "approvalStatusNav_of_ItDeclaration/approvalStatusNav", "role": "approvalStatusNav" }, "end2": { "multiplicity": { "name": "MANY", "symbolString": "*" }, "path": "approvalStatusNav_of_ItDeclaration/ItDeclaration", "role": "ItDeclaration" }, "insertable": true, "required": false, "sortable": true, "toRole": { "multiplicity": { "name": "ONE", "symbolString": "1" } } } } } } } } }, "effectiveDated": true, "navigationProperties": { "results": [ { "businessKey": false, "filterable": true, "fromRole": { "multiplicity": { "name": "MANY", "symbolString": "*" }, "path": "approvalStatusNav_of_ItDeclaration/ItDeclaration", "role": "ItDeclaration" }, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "approvalStatusNav", "path": "ItDeclaration/approvalStatusNav", "picklistOptionId": null, "relationship": { "end1": { "multiplicity": { "name": "ONE", "symbolString": "1" }, "path": "approvalStatusNav_of_ItDeclaration/approvalStatusNav", "role": "approvalStatusNav" }, "end2": { "multiplicity": { "name": "MANY", "symbolString": "*" }, "path": "approvalStatusNav_of_ItDeclaration/ItDeclaration", "role": "ItDeclaration" }, "insertable": true, "required": false, "sortable": true, "toRole": { "multiplicity": { "name": "ONE", "symbolString": "1" } } } } } },
8.1.5.3  ItDeclInvestmentType

This entity stores information for investment types, such as the start date.

Permissions

Table 223:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Manage Permission Roles. Assign the relevant permissions for ItDeclInvestmentType.</td>
</tr>
</tbody>
</table>
Required Provisioning Settings

- Enable generic objects
- Enable IT declarations
- Enable Fiscal Year

Operations Allowed

Table 224:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Queries a ItDeclInvestmentType record.</td>
</tr>
</tbody>
</table>

Properties

Table 225:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>externalCode</td>
<td>A unique code for ItDeclInvestmentType.</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 226:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>countryNav/</td>
<td>Country</td>
<td>The association between ItDeclInvestmentType and Country.</td>
</tr>
<tr>
<td>declarationTypeNav/</td>
<td>DeclarationType</td>
<td>The association between ItDeclInvestmentType and DeclarationType.</td>
</tr>
</tbody>
</table>

Use Cases

Table 227:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="https://qacand.successfactors.com/odata/v2/ItDeclInvestmentType">https://qacand.successfactors.com/odata/v2/ItDeclInvestmentType</a></td>
<td>Queries the ItDeclInvestmentType.</td>
</tr>
</tbody>
</table>
Entity Metadata

["d": {
  "_metadata": {
    "uri": "https://qacand.successfactors.com:443/odata/v2/Entity('ItDeclInvestmentType')", "type": "SFOData.Entity",
  "path": "ItDeclInvestmentType", "insertable": true, "keyProperties": {
    "results": [
      {
        "businessKey": true, "filterable": true, "id": false, "inlineRequired": null,
        "insertable": true, "label": null, "maxLength": null, "name": "effectiveStartDate",
        "path": "ItDeclInvestmentType/effectiveStartDate", "picklistOptionId": null, "required": true, "sortable": true, "type": {
          "name": "datetime", "path": "datetime"
        }, "updateable": true, "upsertable": true, "viewable": true
      }, {
        "businessKey": true, "filterable": true, "id": false, "inlineRequired": null,
        "insertable": true, "label": null, "maxLength": 128, "name": "externalCode",
        "path": "ItDeclInvestmentType/externalCode", "picklistOptionId": null, "required": true, "sortable": true, "type": {
          "name": "string", "path": "string"
        }, "updateable": true, "upsertable": true, "viewable": true
      },
      {
        "businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
        "insertable": true, "label": null, "maxLength": 255, "name": "category",
        "path": "ItDeclInvestmentType/category", "picklistOptionId": null, "required": true, "sortable": true, "type": {
          "name": "string", "path": "string"
        }, "updateable": true, "upsertable": true, "viewable": true
      }, {
        "businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
        "insertable": true, "label": null, "maxLength": null, "name": "countryNav",
        "path": "ItDeclInvestmentType/countryNav", "picklistOptionId": null, "required": true, "sortable": true, "type": {
          "name": "string", "path": "string"
        }, "updateable": true, "upsertable": true, "viewable": true
      },
      {
        "businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
        "insertable": true, "label": null, "maxLength": null, "name": "declarationTypeNav",
        "path": "ItDeclInvestmentType/declarationTypeNav", "picklistOptionId": null, "required": true, "sortable": true, "type": {
          "name": "string", "path": "string"
        }, "updateable": true, "upsertable": true, "viewable": true
      },
      {
        "businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
        "insertable": true, "label": null, "maxLength": null, "name": "effectiveEndDate",
        "path": "ItDeclInvestmentType/effectiveEndDate", "picklistOptionId": null, "required": false, "sortable": true, "type": {
          "name": "datetime", "path": "datetime"
        }, "updateable": false, "upsertable": false, "viewable": true
      },
      {
        "businessKey": true, "filterable": true, "id": false, "inlineRequired": null,
        "insertable": true, "label": null, "maxLength": null, "name": "effectiveStartDate",
        "path": "ItDeclInvestmentType/effectiveStartDate", "picklistOptionId": null, "required": true, "sortable": true, "type": {
          "name": "datetime", "path": "datetime"
        }, "updateable": true, "upsertable": true, "viewable": true
      },
    ]
  }
}
"path": "ItDeclInvestmentType/externalCode", "picklistOptionId": null,
"required": true, "sortable": true, "type": {
"name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
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"businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
"insertable": false, "label": null, "maxLength": 255, "name": "investmentType",
"path": "ItDeclInvestmentType/investmentType", "picklistOptionId": null,
"required": true, "sortable": true, "type": {
"name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
},
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
"insertable": false, "label": null, "maxLength": 255, "name": "mdfSystemCreatedBy",
"path": "ItDeclInvestmentType/mdfSystemCreatedBy",
"picklistOptionId": null, "required": false, "sortable": true, "type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true
},
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
"insertable": false, "label": null, "maxLength": null, "name": "mdfSystemCreatedDate",
"path": "ItDeclInvestmentType/mdfSystemCreatedDate",
"picklistOptionId": null, "required": false, "sortable": false, "type": {
"name": "datetime", "path": "datetime"
}, "updateable": false, "upsertable": false, "viewable": false, "required": false
},
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"insertable": false, "label": null, "maxLength": null, "name": "mdfSystemLastModifiedBy",
"path": "ItDeclInvestmentType/mdfSystemLastModifiedBy",
"picklistOptionId": null, "required": false, "sortable": true, "type": {
"name": "string", "path": "string"
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},
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
"insertable": false, "label": null, "maxLength": null, "name": "mdfSystemLastModifiedDate",
"path": "ItDeclInvestmentType/mdfSystemLastModifiedDate",
"picklistOptionId": null, "required": false, "sortable": true, "type": {
"name": "datetime", "path": "datetime"
}, "updateable": false, "upsertable": false, "viewable": true
},
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
"insertable": false, "label": null, "maxLength": null, "name": "mdfSystemLastModifiedDateWithTZ",
"path": "ItDeclInvestmentType/mdfSystemLastModifiedDateWithTZ",
"picklistOptionId": null, "required": false, "sortable": true, "type": {
"name": "datetimeoffset", "path": "datetimeoffset"
}, "updateable": false, "upsertable": false, "viewable": true
},
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
"insertable": false, "label": null, "maxLength": null, "name": "mdfSystemObjectType",
"path": "ItDeclInvestmentType/mdfSystemObjectType",
"picklistOptionId": null, "required": false, "sortable": true, "type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true
},
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
"insertable": false, "label": null, "maxLength": null, "name": "mdfSystemRecordStatus",
"path": "ItDeclInvestmentType/mdfSystemRecordStatus",
"picklistOptionId": null, "required": false, "sortable": true, "type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true
},
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null,
"insertable": false, "label": null, "maxLength": null, "name": "mdfSystemRecordStatusNav",
"path": "ItDeclInvestmentType/mdfSystemRecordStatusNav",
"picklistOptionId": null, "required": false, "sortable": false, "type": true, "required": true, "viewable": true
}
"mdfSystemRecordStatusNav_of_ItDeclInvestmentType", "updatable": true,
"upsertable": true
}, "required": false, "sortable": true, "toRole": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "mdfSystemRecordStatusNav_of_ItDeclInvestmentType/mdfSystemRecordStatusNav", "role": "mdfSystemRecordStatusNav"
}, "type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true
}, {
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "statusNav_of_ItDeclInvestmentType/ItDeclInvestmentType", "role": "ItDeclInvestmentType"
}, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "statusNav", "path": "ItDeclInvestmentType/statusNav", "picklistOptionId": null, "relationship": {
"end1": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "statusNav_of_ItDeclInvestmentType/statusNav", "role": "statusNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "statusNav_of_ItDeclInvestmentType/statusNav", "role": "statusNav"
}, "type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true
}, {
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "wfProposalNav_of_ItDeclInvestmentType/ItDeclInvestmentType", "role": "ItDeclInvestmentType"
}, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "wfProposalNav", "path": "ItDeclInvestmentType/wfProposalNav", "picklistOptionId": null, "relationship": {
"end1": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "wfProposalNav_of_ItDeclInvestmentType/wfProposalNav", "role": "wfProposalNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "wfProposalNav_of_ItDeclInvestmentType/wfProposalNav", "role": "wfProposalNav"
}, "type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true
}
8.1.5.4 ItDeclarationTimeBound

This entity is used to configure the window period that controls the creation of actuals and proposals.

Permissions

Table 228:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools Manage Permission Roles Miscellaneous Permissions. Assign the relevant permissions for ItDeclarationTimeBound.</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

- Enable generic objects
- Enable IT declarations
- Enable Fiscal Year

Operations Allowed

Table 229:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a timebound record.</td>
</tr>
</tbody>
</table>

Properties

Table 230:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>externalcode</td>
<td>A unique code for the ItDeclarationTimeBound.</td>
</tr>
</tbody>
</table>
Navigation Properties

None.

Use Cases

Table 231:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="https://qacand.successfactors.com/odata/v2/ItDeclarationTimeBound">https://qacand.successfactors.com/odata/v2/ItDeclarationTimeBound</a></td>
<td>This query consumes all the details of the ItDeclarationTimeBound MDF object.</td>
</tr>
</tbody>
</table>

Entity Metadata

```json
{
  "d": {
    "_metadata": {
      "uri": "https://qacand.successfactors.com:443/odata/v2/Entity('ItDeclarationTimeBound')", "type": "SFOData.Entity"
    }, "path": "ItDeclarationTimeBound", "insertable": true, "keyProperties": {
      "results": [
        {
          "businessKey": true, "filterable": true, "id": false, "inlineRequired": null, "insertable": true, "label": null, "maxLength": 128, "name": "externalCode", "path": "ItDeclarationTimeBound/externalCode", "picklistOptionId": null, "required": true, "sortable": true, "type": {
            "name": "string", "path": "string"
          }, "updateable": true, "upsertable": true, "viewable": true
        }
      ], "upsertable": true, "name": "ItDeclarationTimeBound", "updatable": true, "deletable": true, "properties": {
      "results": [
        {
          "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": true, "label": null, "maxLength": 255, "name": "endDay", "path": "ItDeclarationTimeBound/endDay", "picklistOptionId": null, "required": true, "sortable": true, "type": {
            "name": "string", "path": "string"
          }, "updateable": true, "upsertable": true, "viewable": true
        },
        {
          "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "endDayNav", "path": "ItDeclarationTimeBound/endDayNav", "picklistOptionId": null, "required": false, "sortable": true, "type": {
            "name": "string", "path": "string"
          }, "updateable": false, "upsertable": false, "viewable": true
        },
        {
          "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": true, "label": null, "maxLength": 255, "name": "endMonth", "path": "ItDeclarationTimeBound/endMonth", "picklistOptionId": null, "required": true, "sortable": true, "type": {
            "name": "string", "path": "string"
          }, "updateable": true, "upsertable": true, "viewable": true
        }
      ]
    }
  }
```
"path" : "ItDeclarationTimeBound/startDayNav", "picklistOptionId" : null,
"required" : false, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"insertable" : true, "label" : null, "maxLength" : 255, "name" : "startMonth",
"path" : "ItDeclarationTimeBound/startMonth", "picklistOptionId" : null,
"required" : true, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
], {
"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"insertable" : true, "label" : null, "maxLength" : 255, "name" : "status",
"path" : "ItDeclarationTimeBound/status", "picklistOptionId" : null, "required" : true,
"sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null,
"insertable" : true, "label" : null, "maxLength" : 255, "name" : "statusNav",
"path" : "ItDeclarationTimeBound/statusNav", "picklistOptionId" : null,
"required" : false, "sortable" : true, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}]; "effectiveDated" : false, "navigationProperties" : {
"results" : [

"businessKey" : false, "filterable" : true, "fromRole" : {
"multiplicity" : {
"name" : "MANY", "symbolString" : "*"
}, "path" : "endDayNav_of_ItDeclarationTimeBound/ItDeclarationTimeBound", "role" : "ItDeclarationTimeBound",
"id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, "maxLength" : null, "name" : "endDayNav",
"path" : "ItDeclarationTimeBound/endDayNav", "picklistOptionId" : null, "relationship" : {
"end1" : {
"multiplicity" : {
"name" : "ONE", "symbolString" : "1"
}, "path" : "endDayNav_of_ItDeclarationTimeBound/endDayNav", "role" : "endDayNav"
}, "end2" : {
"multiplicity" : {
"name" : "MANY", "symbolString" : "*"
}, "path" : "endDayNav_of_ItDeclarationTimeBound/ItDeclarationTimeBound", "role" : "ItDeclarationTimeBound"
}, "insertable" : true, "name" : "endDayNav_of_ItDeclarationTimeBound", "path" : "endDayNav_of_ItDeclarationTimeBound", "updateable" : true, "upsertable" : true,
"required" : false, "sortable" : true, "toRole" : {
"multiplicity" : {
"name" : "ONE", "symbolString" : "1"
}, "path" : "endDayNav_of_ItDeclarationTimeBound/endDayNav", "role" : "endDayNav"
}, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
"businessKey" : false, "filterable" : true, "fromRole" : {
"multiplicity" : {
"name" : "MANY", "symbolString" : "*"
}, "path" : "endDayNav_of_ItDeclarationTimeBound/ItDeclarationTimeBound", "role" : "ItDeclarationTimeBound"
}, "insertable" : true, "name" : "endDayNav_of_ItDeclarationTimeBound", "path" : "endDayNav_of_ItDeclarationTimeBound", "updateable" : true, "upsertable" : true,
"required" : false, "sortable" : true, "toRole" : {
"multiplicity" : {
"name" : "ONE", "symbolString" : "1"
}, "path" : "endDayNav_of_ItDeclarationTimeBound/endDayNav", "role" : "endDayNav"
}, "type" : {
"name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}];}
"name": "ONE", "symbolString": "1"
}, "path": "mdfSystemStatusNav_of_ItDeclarationTimeBound/mdfSystemStatusNav",
"role": "mdfSystemStatusNav"
}, "end2": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "mdfSystemStatusNav_of_ItDeclarationTimeBound/ItDeclarationTimeBound",
"role": "ItDeclarationTimeBound"
}, "viewable": true, "insertable": true, "name": "mdfSystemStatusNav_of_ItDeclarationTimeBound",
"path": "mdfSystemStatusNav_of_ItDeclarationTimeBound",
"updateable": true, "upsertable": true
}, "required": false, "sortable": true, "toRole": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "mdfSystemStatusNav_of_ItDeclarationTimeBound/mdfSystemStatusNav",
"role": "mdfSystemStatusNav"
}, "type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true
}, {
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "startDayNav_of_ItDeclarationTimeBound/ItDeclarationTimeBound",
"role": "ItDeclarationTimeBound"
}, "viewable": true, "insertable": true, "name": "startDayNav_of_ItDeclarationTimeBound",
"path": "ItDeclarationTimeBound/startDayNav",
"updateable": true, "upsertable": true
}, "required": false, "sortable": true, "toRole": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "startDayNav_of_ItDeclarationTimeBound/startDayNav",
"role": "startDayNav"
}, "type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true
}, {
"businessKey": false, "filterable": true, "fromRole": {
"multiplicity": {
"name": "MANY", "symbolString": "*"
}, "path": "startMonthNav_of_ItDeclarationTimeBound/ItDeclarationTimeBound",
"role": "ItDeclarationTimeBound"
}, "viewable": true, "insertable": true, "name": "startMonthNav_of_ItDeclarationTimeBound",
"path": "ItDeclarationTimeBound/startMonthNav",
"updateable": true, "upsertable": true
}, "required": false, "sortable": true, "toRole": {
"multiplicity": {
"name": "ONE", "symbolString": "1"
}, "path": "startMonthNav_of_ItDeclarationTimeBound/startMonthNav",
"role": "startMonthNav"
}, "type": {
"name": "string", "path": "string"
}, "updateable": false, "upsertable": false, "viewable": true
}
8.2 Succession Planning

8.3 TalentPool

This entity is used in succession planning for pool-based nomination methods. Configuring the TalentPool entity renders the Talent Pool tab.
Permissions

Table 232:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Standard MDF permissions apply to this entity.</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 233:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query talent pools.</td>
</tr>
</tbody>
</table>

Properties

Table 234:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>code</td>
<td>An external code.</td>
</tr>
<tr>
<td>createdBy</td>
<td>The ID of the person who created the talent pool.</td>
</tr>
<tr>
<td>createdDate</td>
<td>The date on which the talent pool was created.</td>
</tr>
<tr>
<td>description</td>
<td>A description of the talent pool.</td>
</tr>
<tr>
<td>effectiveEndDate</td>
<td>The date on which the talent pool ended.</td>
</tr>
<tr>
<td>effectiveStartDate</td>
<td>The date on which the talent pool started.</td>
</tr>
<tr>
<td>effectiveStatus</td>
<td>A status of active or inactive.</td>
</tr>
<tr>
<td>enableReadiness</td>
<td>Allows users to control whether nomination readiness is required for the pool.</td>
</tr>
<tr>
<td>internalId</td>
<td>An internal ID.</td>
</tr>
<tr>
<td>lastModifiedBy</td>
<td>The ID of the person who last modified the talent pool.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>The date on which the talent pool was modified.</td>
</tr>
<tr>
<td>name</td>
<td>The name of the talent pool.</td>
</tr>
<tr>
<td>owner</td>
<td>The owner of the talent pool.</td>
</tr>
<tr>
<td>rowId</td>
<td>The row ID.</td>
</tr>
<tr>
<td>status</td>
<td>The status of the talent pool.</td>
</tr>
<tr>
<td>subModule</td>
<td>The child of the talent pool.</td>
</tr>
<tr>
<td>transactionSequence</td>
<td></td>
</tr>
<tr>
<td>type</td>
<td>The type of talent pool.</td>
</tr>
</tbody>
</table>
Use Cases

Table 235:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
</table>

Entity Metadata

```json
{
  "d": {
    "__metadata": {
      "uri": "https://salesdemo4.successfactors.com:443/odata/v2/Entity('SkillProfile')", "type": "SFOData.Entity" },
    "path": "SkillProfile",
    "insertable": true,
    "keyProperties": [{
      "businessKey": true,
      "filterable": true,
      "id": false,
      "insertable": true,
      "label": null,
      "maxLength": 128,
      "name": "externalCode",
      "path": "SkillProfile/externalCode",
      "picklistOptionId": null,
      "required": true,
      "sortable": true,
      "type": {
        "name": "string",
        "path": "string"
      },
      "updateable": true,
      "upsertable": true,
      "viewable": true
    }],
    "upsertable": true,
    "name": "SkillProfile",
    "updatable": true,
    "deletable": true,
    "properties": [{
      "businessKey": false,
      "filterable": true,
      "id": false,
      "insertable": false,
      "label": null,
      "maxLength": 255,
      "name": "createdBy",
      "path": "SkillProfile/createdBy",
      "picklistOptionId": null,
      "required": false,
      "sortable": true,
      "type": {
        "name": "string",
        "path": "string"
      },
      "updateable": false,
      "upsertable": false,
      "viewable": true
    },
    { "businessKey": false,
      "filterable": true,
      "id": false,
      "insertable": false,
      "label": null,
      "maxLength": null,
      "name": "createdDate",
      "path": "SkillProfile/createdDate",
      "picklistOptionId": null,
      "required": false,
      "sortable": true,
      "type": {
        "name": "datetime",
        "path": "datetime"
      },
      "updateable": false,
      "upsertable": false,
      "viewable": true
    },
    { "businessKey": false,
      "filterable": true,
      "id": false,
      "insertable": false,
      "label": null,
      "maxLength": null,
      "name": "effectiveEndDate",
      "path": "SkillProfile/effectiveEndDate",
      "picklistOptionId": null,
      "required": false,
      "sortable": true,
      "type": {
        "name": "datetime",
        "path": "datetime"
      },
      "updateable": false,
      "upsertable": false,
      "viewable": true
    },
    { "businessKey": false,
      "filterable": true,
      "id": false,
      "insertable": false,
      "label": null,
      "maxLength": null,
      "name": "effectiveStartDate",
      "path": "SkillProfile/effectiveStartDate",
      "picklistOptionId": null,
      "required": false,
      "sortable": true,
      "type": {
        "name": "datetime",
        "path": "datetime"
      },
      "updateable": false,
      "upsertable": false,
      "viewable": true
    }]
}
```
"path" : "SkillProfile/externalCode", "picklistOptionId" : null, "required" : true, "sortable" : true, "type" : {
  "name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}, {
  "name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}, {
  "name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, "maxLength" : null, "name" : "lastModifiedDate", "path" : "SkillProfile/lastModifiedDate", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
  "name" : "datetime", "path" : "datetime"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
"businessKey" : false, "filterable" : true, "id" : false, "inlineRequired" : null, "insertable" : false, "label" : null, "maxLength" : null, "name" : "lastModifiedDateWithTZ", "path" : "SkillProfile/lastModifiedDateWithTZ", "picklistOptionId" : null, "required" : false, "sortable" : true, "type" : {
  "name" : "datetimeoffset", "path" : "datetimeoffset"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
  "name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
  "name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
  "name" : "string", "path" : "string"
}, "updateable" : false, "upsertable" : false, "viewable" : true
}, {
  "name" : "string", "path" : "string"
}, "updateable" : true, "upsertable" : true, "viewable" : true
}
"businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "rowId", "path": "SkillProfile/rowId", "picklistOptionId": null, "required": false, "sortable": true, "type": {
  "name": "long", "path": "long"
}, "updateable": false, "upsertable": false, "viewable": true
}, {
  "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": true, "label": null, "maxLength": null, "name": "selfReportSkills", "path": "SkillProfile/selfReportSkills", "picklistOptionId": null, "required": false, "sortable": true, "type": {
  "name": "string", "path": "string"
}, "updateable": true, "upsertable": true, "viewable": true
}, {
  "businessKey": false, "filterable": true, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "transactionSequence", "path": "SkillProfile/transactionSequence", "picklistOptionId": null, "required": false, "sortable": true, "type": {
  "name": "long", "path": "long"
}, "updateable": false, "upsertable": false, "viewable": true
}
], "effectiveDated": false, "navigationProperties": {
  "results": [{
    "businessKey": false, "filterable": true, "fromRole": {
      "multiplicity": {
        "name": "MANY", "symbolString": "*"
      }, "path": "externalCodeNav_of_SkillProfile/SkillProfile", "role": "SkillProfile"
    }, "id": false, "inlineRequired": null, "insertable": true, "label": null, "maxLength": null, "name": "externalCodeNav", "path": "SkillProfile/externalCodeNav", "picklistOptionId": null, "relationship": {
      "end1": {
        "multiplicity": {
          "name": "ONE", "symbolString": "1"
        }, "path": "externalCodeNav_of_SkillProfile/externalCodeNav", "role": "externalCodeNav"
      }, "end2": {
        "multiplicity": {
          "name": "MANY", "symbolString": "*"
        }, "path": "externalCodeNav_of_SkillProfile/SkillProfile", "role": "SkillProfile"
      }, "insertable": true, "name": "externalCodeNav_of_SkillProfile", "path": "externalCodeNav_of_SkillProfile", "required": false, "sortable": true, "toRole": {
        "multiplicity": {
          "name": "ONE", "symbolString": "1"
        }, "path": "externalCodeNav_of_SkillProfile/externalCodeNav", "role": "externalCodeNav"
      }, "type": {
        "name": "string", "path": "string"
      }, "updateable": true, "upsertable": true, "viewable": true
    }, {
      "businessKey": false, "filterable": true, "fromRole": {
        "multiplicity": {
          "name": "MANY", "symbolString": "*"
        }, "path": "mdfSystemRecordStatusNav_of_SkillProfile/SkillProfile", "role": "SkillProfile"
      }, "id": false, "inlineRequired": null, "insertable": false, "label": null, "maxLength": null, "name": "mdfSystemRecordStatusNav", "path": "SkillProfile/mdfSystemRecordStatusNav", "picklistOptionId": null, "relationship": {
        "end1": {
          "multiplicity": {
            "name": "ONE", "symbolString": "1"
          }, "path": "mdfSystemRecordStatusNav_of_SkillProfile/externalCodeNav", "role": "externalCodeNav"
        }, "end2": {
          "multiplicity": {
            "name": "MANY", "symbolString": "*"
          }, "path": "mdfSystemRecordStatusNav_of_SkillProfile/SkillProfile", "role": "SkillProfile"
        }, "insertable": true, "name": "mdfSystemRecordStatusNav_of_SkillProfile", "path": "mdfSystemRecordStatusNav_of_SkillProfile", "required": false, "sortable": true, "toRole": {
          "multiplicity": {
            "name": "ONE", "symbolString": "1"
          }, "path": "mdfSystemRecordStatusNav_of_SkillProfile/externalCodeNav", "role": "externalCodeNav"
        }, "type": {
          "name": "string", "path": "string"
        }, "updateable": true, "upsertable": true, "viewable": true
      }
    }
  }
}
8.4 TalentRatings

TalentRatings entity provides a way to query feedback details for a given form with specific criteria. This entity represents the feedback table. Current version supports only query operation.

Permissions

This is a new permission "odata_api_admin_talent_rating_access". Need more information about whether it is role-based (I assume it is) and the menu path to it.

Table 236:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>[Enter the admin tool path and setting here]</td>
</tr>
<tr>
<td>User-based</td>
<td>[Enter the user-based path and setting here]</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

None.

Operations Allowed

Table 237:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query the TalentRatings entity.</td>
</tr>
</tbody>
</table>
Properties

Table 238:

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>feedbackId(key)</td>
<td>long</td>
</tr>
<tr>
<td>feedbackName</td>
<td>String</td>
</tr>
<tr>
<td>formDataId</td>
<td>long</td>
</tr>
<tr>
<td>formContentId</td>
<td>long</td>
</tr>
<tr>
<td>userId</td>
<td>String</td>
</tr>
<tr>
<td>feedbackType</td>
<td>Int</td>
</tr>
<tr>
<td>feedbackSource</td>
<td>Int</td>
</tr>
<tr>
<td>feedbackModule</td>
<td>Int</td>
</tr>
<tr>
<td>feedbackRating</td>
<td>double</td>
</tr>
<tr>
<td>feedbackScaleMin</td>
<td>double</td>
</tr>
<tr>
<td>feedbackScaleMax</td>
<td>double</td>
</tr>
<tr>
<td>feedbackWeight</td>
<td>double</td>
</tr>
<tr>
<td>feedbackRatingLabel</td>
<td>String</td>
</tr>
</tbody>
</table>

Navigation Properties

None.

Entity Relation Diagram

Use Cases

[If necessary, add any supplementary information about the use cases here]
Table 239:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Enter the API call code here]</td>
<td>[Enter a description here]</td>
</tr>
<tr>
<td>[Enter the API call code here]</td>
<td>[Enter a description here]</td>
</tr>
<tr>
<td>[Enter the API call code here]</td>
<td>[Enter a description here]</td>
</tr>
</tbody>
</table>

**Code Examples**

[Enter a code example here]

**Error Codes**

Table 240:

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Enter the code number here]</td>
<td>[Enter a description here]</td>
</tr>
</tbody>
</table>

**Entity Metadata**

[Enter a code example here]
9 Performance Management Form Entities

Talent form APIs are used to enable integration with third party HRIS systems, which provide ability to query and update forms.

Currently it only supports PMV12 acceleration form, and 360 form. Talent form OData APIs enable you to:

- Query a list of form templates.
- Query list of user form folders.
- Query a form content detail of PMV12 acceleration. You can query details of the User Info section, Objective Section, Competency Section, Summary section, Signature section in the form.
- Update rating, comments, and custom element in the sections of PMV12 acceleration forms. You can update the rating, comments, and customer element for the sections: Objective Section, Competency Section, Summary section, Signature section.

Normal users can only access the forms in their folders. The users, who have form OData Admin permission, can access all the forms, even the ones that aren’t in their folders. If RBP is on, you can also check a user’s target population, and make sure he/she can only access the forms, whose owners are in his/her target population.

Permissions

As long as you have the following Odata API access permissions, you can access your own folders and forms.

Table 241:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role based</td>
<td>Go to Admin Center &gt; Manage Permission Roles &gt; Manage Integration Tools and select Admin access to OData API</td>
</tr>
<tr>
<td>User based</td>
<td>Go to Admin Privilege &gt; Integration Tools and select Admin access to OData API</td>
</tr>
<tr>
<td>Provisioning</td>
<td>Go to Provisioning &gt; Company Settings &gt; Performance Appraisal Smart Form</td>
</tr>
<tr>
<td></td>
<td>Go to Provisioning &gt; Company Settings &gt; PM v12 Acceleration</td>
</tr>
</tbody>
</table>

If you have the following form OData admin permissions, you can access other users’ folders and forms. If RBP is on, you can only access the folder and forms, whose owner is in your target population.
Table 242:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role based</td>
<td>Go to Admin Center Manage Documents Manage Integration Tools, and select Admin access to OData API.</td>
</tr>
<tr>
<td>User based</td>
<td>Go to Admin Privilege &lt;Manage Documents and select Admin access to OData API.</td>
</tr>
<tr>
<td>Provisioning</td>
<td>Go to Provisioning Company Settings Performance Appraisal Smart Form.</td>
</tr>
<tr>
<td></td>
<td>Go to Provisioning Company Settings PM v12 Acceleration.</td>
</tr>
</tbody>
</table>

9.1 FormFolder

You can use this entity to query the list of user folders. Normally a user can have an inbox, an enroute box, and complete folders.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].

Operations Allowed

Table 243:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query form folders.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json.
Use Cases

Table 244: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td><code>http://&lt;hostname&gt;/odata/v2/FormFolder?$format=json</code></td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Response

```
{
  "results": [
    {
      "__metadata": {
        "uri": "https://<hostname>/odata/v2/FormFolder(477L)",
        "type": "SFOData.FormFolder"
      },
      "folderId": "477",
      "folderName": "EMENTESTING",
      "usersSysId": "hcheng",
      "forms": {
        "__deferred": {
          "uri": "https://<hostname>/odata/v2/FormFolder(477L)/forms"
        }
      }
    },
    {
      "__metadata": {
        "uri": "https://<hostname>/odata/v2/FormFolder(27L)",
        "type": "SFOData.FormFolder"
      },
      "folderId": "27",
      "folderName": "Completed",
      "usersSysId": "hcheng",
      "forms": {
        "__deferred": {
          "uri": "https://<hostname>/odata/v2/FormFolder(27L)/forms"
        }
      }
    },
    {
      "__metadata": {
        "uri": "https://<hostname>/odata/v2/FormFolder(26L)",
        "type": "SFOData.FormFolder"
      },
      "folderId": "26",
      "folderName": "En Route",
      "usersSysId": "hcheng",
      "forms": {
        "__deferred": {
          "uri": "https://<hostname>/odata/v2/FormFolder(26L)/forms"
        }
      }
    }
  ]
}
```
9.2 FormContent

You can use this entity to query the basic information for form content, that is, form data id, form content id, last modified data, status. This API is the major extension point for different form type, that is, PMV12 acceleration, MTR. It will have a navigation property for each form type. You can also access the details of form content for specific form type through the navigation.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].
Operations Allowed

Table 245:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query basic information of a form content.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query: https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json

Use Cases

Table 246: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormContent? $format=json</td>
</tr>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/ / FormContent(formContentId=527L,formDataId=170L)?$format=json</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Response

Sample Code

```json
{
    "__metadata": {
        "uri": "https://<hostname>/odata/v2/ FormContent(formContentId=1029L,formDataId=272L)",
        "type": "SFOData.FormContent"
    },
    "formContentId": "1029",
    "formDataId": "272",
    "status": "-1",
    "lastModifiedDate": "/Date(1242323761000)/",
    "folders": {
        "__deferred": {
            "uri": "https://<hostname>/odata/v2/ FormContent(formContentId=1029L,formDataId=272L)/folders"
        }
    }
}
```
9.3 FormHeader

You can use this entity to list form meta information. For example, form data ID, form start date, end date, due date. You can use this entity to query meta information for a list of forms.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].

Operations Allowed

Table 247:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query meta information for a form.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query:

https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json
## Use Cases

### Table 248: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormHeader?$format=json</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (“user@company:password”)&gt;</td>
</tr>
</tbody>
</table>

### Response

```json
{
   "__metadata": {
      "uri": "https://<hostname>/odata/v2/FormHeader(272L)",
      "type": "SFOData.FormHeader"
   },
   "formDataId": "272",
   "formDataStatus": "3",
   "formReviewDueDate": "/Date(1244937599000)/",
   "formTemplateId": "1",
   "formTemplateType": "Review",
   "formReviewStartDate": "/Date(1242259200000)/",
   "formOriginator": "hcheng",
   "formSubjectId": "hcheng",
   "formReviewEndDate": "/Date(1244937599000)/",
   "rating": "0",
   "isRated": false,
   "formLastModifiedDate": "/Date(1242323761000)/",
   "formTitle": "Annual Performance Reviews for ch admin",
   "formContents": {
      "__deferred": {
         "uri": "https://<hostname>/odata/v2/FormHeader(272L)/formContents"
      }
   },
   "formSubject": {
      "__deferred": {
         "uri": "https://<hostname>/odata/v2/FormHeader(272L)/formSubject"
      }
   },
   "formRouteMap": {
      "__deferred": {
         "uri": "https://<hostname>/odata/v2/FormHeader(272L)/formRouteMap"
      }
   }
}
```
9.4 FormPMReviewContentDetail

You can use this entity to get the basic information of different sections available for PMV12 acceleration forms. The data of this entity comes from form content XML.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].

Operations Allowed

Table 249:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query basic information of different sections available for PMV12 acceleration forms. formDataId and formContentId are required in query to identify different sections of a specific form.</td>
</tr>
<tr>
<td>UPSERT</td>
<td>formDataId and formContentId are mandatory for upsert operation. Other than these values, you need key property values and comment/rating key values of entities to be saved.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity(''<Your Entity'')?$format=json

Use Cases: Query different sections of a specific form

Table 250: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/ FormPMReviewContentDetail(formContentId=17617L,formDataId=7182L)?$format=json</td>
</tr>
</tbody>
</table>
## Response

### Sample Code

```json
{
  "d": {
    "__metadata": {
      "uri": "https://<hostname>/odata/v2/FormPMReviewContentDetail(formContentId=17617L,formDataId=7182L)",
      "type": "SFOData.FormPMReviewContentDetail"
    },
    "formContentId": "17617",
    "formDataId": "7182",
    "summarySection": {
      "__deferred": {
        "uri": "https://<hostname>/odata/v2/FormPMReviewContentDetail(formContentId=17617L,formDataId=7182L)/summarySection"
      }
    },
    "signatureSection": {
      "__deferred": {
        "uri": "https://<hostname>/odata/v2/FormPMReviewContentDetail(formContentId=17617L,formDataId=7182L)/signatureSection"
      }
    },
    "introSection": {
      "__deferred": {
        "uri": "https://<hostname>/odata/v2/FormPMReviewContentDetail(formContentId=17617L,formDataId=7182L)/introSection"
      }
    },
    "compSections": {
      "__deferred": {
        "uri": "https://<hostname>/odata/v2/FormPMReviewContentDetail(formContentId=17617L,formDataId=7182L)/compSections"
      }
    }
  }
}```
Use Cases: Upsert self section comments of competency section present in a PM review content entity

Table 251: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>UPSERT</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/upsert</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (“user@company:password”)&gt;</td>
</tr>
</tbody>
</table>

Payload

```
{
  "__metadata": {
    "uri": "https://<hostname>/odata/v2/FormPMReviewContentDetail(formContentId=17549L,formDataId=7182L)",
    "type": "SFOData.FormPMReviewContentDetail"
  },
  "compSections": {
    "__metadata": {
      "uri": "https://<hostname>/odata/v2/FormCompetencySection(formContentId=17549L,formDataId=7182L,sectIndex=4)",
      "type": "SFOData.FormCompetencySection"
    },
    "selfRatingComment": {
      "__metadata": {
        "uri": "https://<hostname>/odata/v2/FormUserRatingComment(formContentId=17549L,formDataId=7182L,itemId=-1L,ratingType ='na',sectIndex=4,userId=user1)"
      },
      "commentKey": "wf_sect_4_sc_user1_c",
      "comment": "Section comment for role specific competencies by manager"
    }
  }
}
```
9.5 FormTemplate

You can use this entity to query basic information for a form template, that is, template Id, template name. Currently, it supports PMV12 acceleration form and 360 review form.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].
Operations Allowed

Table 252: Operations Allowed

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query basic information for a form template.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query: https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json

Use Cases

Table 253: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormTemplate? $format=json</td>
</tr>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormTemplate (116L)?$format=json</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Response

Sample Code

```json
{
  "__metadata": {
    "uri": "https://<hostname>/odata/v2/FormTemplate(116L)",
    "type": "SFOData.FormTemplate"
  },
  "formTemplateId": "116",
  "formTemplateType": "Review",
  "formTemplateName": "AYT-6039",
  "associatedForms": {
    "__deferred": {
      "uri": "https://<hostname>/odata/v2/FormTemplate(116L)/associatedForms"
    }
  }
}
```
9.6 FormObjectiveSection

You can use this entity to describe the basic information of objective sections for PM forms. The data of this entity comes from form content XML.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].

Operations Allowed

Table 254:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify a specific objective section in a specific form. formDataId, formContentId and sectIndex are required to query a specific objective section.</td>
</tr>
<tr>
<td>UPSERT</td>
<td>formDataId, formContentId and sectIndex are mandatory for upsert operation. Other than these values, you will need key property values and comment/rating key values of entities to be saved.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json

Use Cases: Query Form Objective Section

Table 255: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormObjectiveSection(formContentId=17476L,formDataId=7153L,sectIndex=2)</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>
Response

Sample Code

```json
{
   "d": {
      "__metadata": {
         "uri": "https://<hostname>/odata/v2/FormObjectiveSection(formContentId=17476L,formDataId=7153L,sectIndex=2)",
         "type": "SFOData/FormObjectiveSection"
      },
      "sectIndex": 2,
      "formContentId": "17476",
      "formDataId": "7153",
      "sectDesc": "",
      "sectWeight": "70.0",
      "sectName": "Goals",
      "objectives": {
         "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormObjectiveSection(formContentId=17476L,formDataId=7153L,sectIndex=2)/objectives"
         }
      },
      "sectionConfig": {
         "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormObjectiveSection(formContentId=17476L,formDataId=7153L,sectIndex=2)/sectionConfig"
         }
      },
      "selfRatingComment": {
         "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormObjectiveSection(formContentId=17476L,formDataId=7153L,sectIndex=2)/selfRatingComment"
         }
      },
      "othersRatingComment": {
         "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormObjectiveSection(formContentId=17476L,formDataId=7153L,sectIndex=2)/othersRatingComment"
         }
      }
   }
}
```

Use Cases: Upsert self section comments of form objective section

Table 256: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>UPSERT</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/upsert</td>
</tr>
</tbody>
</table>
Headers
Authorization: Basic <Base 64 encoded ("user@company:password")>

Payload

```json
{  
  "__metadata": {
    "uri": "FormObjectiveSection(formContentId=17534L,formDataId=7176L,sectIndex=2)",
    "type": "SFOData.FormObjectiveSection"
  },
  "selfRatingComment": {
    "__metadata": {
      "uri": "FormUserRatingComment(formContentId=17534L,formDataId=7176L,itemId=-1L,ratingType ='na',sectIndex=2,userId='user1')",
      "type": "SFOData.FormUserRatingComment"
    },
    "commentKey": "wf_sect_2_sc_user1_c",
    "comment": "Section comment for objective section"
  }
}
```

Response

```json
{  
  "d": [
    {
      "key": "FormPMReviewContentDetail/formContentId=17534,FormPMReviewContentDetail/formDataId=7176",
      "status": "OK",
      "editStatus": "UPDATED",
      "message": null,
      "index": "0",
      "httpCode": "200",
      "inlineResults": null
    }
  ]
}
```
9.7 FormObjective

You can use this entity to describe the basic information of objectives for PM forms. The data of this entity comes from form content XML.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].

Operations Allowed

Table 257:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify a specific objective in a specific form. formDataId, formContentId, sectIndex and itemId are required to query a specific objective in a specific form.</td>
</tr>
<tr>
<td>UPSERT</td>
<td>formDataId, formContentId, sectIndex and itemId are mandatory for upsert operation. Other than these values, you will need key property values and comment or rating key values of entities to be saved.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json

Use Cases: Query FormObjective

Table 258: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormObjective(formContentId=17476L,formDataId=7153L,itemId=4930L,sectIndex=2)?$format=json</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>
Response

```json
{
    "d": {  
        "__metadata": {
            "uri": "https://<hostname>/odata/v2/FormObjective(formContentId=17476L,formDataId=7153L,itemId=4930L,sectIndex=2)",
            "type": "SFOData.FormObjective"
        },
        "sectIndex": 2,
        "formContentId": "17476",
        "itemId": "4930",
        "formDataId": "7153",
        "weight": null,
        "done": "0.0",
        "state": null,
        "stateColor": null,
        "category": "Customer",
        "metric": "dsd",
        "name": "d",
        "weightKey": null,
        "officialRating": {
            "__deferred": {
                "uri": "https://<hostname>/odata/v2/FormObjective(formContentId=17476L,formDataId=7153L,itemId=4930L,sectIndex=2)/officialRating"
            }
        },
        "tasks": {
            "__deferred": {
                "uri": "https://<hostname>/odata/v2/FormObjective(formContentId=17476L,formDataId=7153L,itemId=4930L,sectIndex=2)/tasks"
            }
        },
        "othersRatingComment": {
            "__deferred": {
                "uri": "https://<hostname>/odata/v2/FormObjective(formContentId=17476L,formDataId=7153L,itemId=4930L,sectIndex=2)/othersRatingComment"
            }
        },
        "itemConfig": {
            "__deferred": {
                "uri": "https://<hostname>/odata/v2/FormObjective(formContentId=17476L,formDataId=7153L,itemId=4930L,sectIndex=2)/itemConfig"
            }
        },
        "objectiveDetails": {
            "__deferred": {
                "uri": "https://<hostname>/odata/v2/FormObjective(formContentId=17476L,formDataId=7153L,itemId=4930L,sectIndex=2)/objectiveDetails"
            }
        },
        "customElement": {
            "__deferred": {
                "uri": "https://<hostname>/odata/v2/FormObjective(formContentId=17476L,formDataId=7153L,itemId=4930L,sectIndex=2)/customElement"
            }
        }
    }
}
```
Use Cases: Upsert FormObjective

Table 259: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>UPSERT</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/upsert</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Payload

Sample Code

```json
{
  "__metadata": {
    "uri": "https://<hostname>/odata/v2/FormObjective(formContentId=17476L,formDataId=7153L,itemId=4930L,sectIndex=2)/milestones"
  },
  "selfRatingComment": {
    "__deferred": {
      "uri": "https://<hostname>/odata/v2/FormObjective(formContentId=17476L,formDataId=7153L,itemId=4930L,sectIndex=2)/selfRatingComment"
    },
    "targets": {
      "__deferred": {
        "uri": "https://<hostname>/odata/v2/FormObjective(formContentId=17476L,formDataId=7153L,itemId=4930L,sectIndex=2)/targets"
      },
      "mlts": {
        "__deferred": {
          "uri": "https://<hostname>/odata/v2/FormObjective(formContentId=17476L,formDataId=7153L,itemId=4930L,sectIndex=2)/mlts"
        }
      }
    }
  }
}
```
Response

Sample Code

```json
{
  "d": [
    {
      "key": "FormPMReviewContentDetail/ formContentId=17534,FormPMReviewContentDetail/formDataId=7176",
      "status": "OK",
      "editStatus": "UPDATED",
      "message": null,
      "index": "0",
      "httpCode": "200",
      "inlineResults": null
    }
  ]
}
```
9.8 **FormObjectiveDetails**

You can use this entity to describe the customized information of objective for PM forms. The data of this entity comes from form content XML.

**Permissions**

For more information on permissions, refer [Performance Management Form Entities][1].

**Operations Allowed**

Table 260:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify a specific objective detailed info in a specific form, mainly used by $expand. formDatald, formContentId, sectindex, itemid and type are required to identify a specific objective detailed info in a specific form.</td>
</tr>
</tbody>
</table>

**Properties**

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query: https://<hostname>/odata/v2/Entity('<Your Entity')?&format=json

**Use Cases**

Table 261: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
</table>
**URI**

http://<hostname>/odata/v2/FormObjective
(formContentId=728L,formDataId=955L,
sectIndex=2,itemId=502L)?$expand=
objectiveDetails,targets,mlts,tasks,milestones

**Headers**

Authorization: Basic <Base 64 encoded ("user@company:password")>

---

**Response**

```
Sample Code

```

```json
{
  "d": {
    "__metadata": {
      "uri": "https://<hostname>/odata/v2/FormObjective(formContentId=17476L,formDataId=7153L,itemId=4930L,sectIndex=2)",
      "type": "SFOData.FormObjective"
    },
    "sectIndex": 2,
    "formContentId": "17476",
    "itemId": "4930",
    "formDataId": "7153",
    "weight": null,
    "done": "0.0",
    "state": null,
    "stateColor": null,
    "category": "Customer",
    "metric": "dsd",
    "name": "d",
    "weightKey": null,
    "officialRating": {
      "__deferred": {
        "uri": "https://<hostname>/odata/v2/FormObjective(formContentId=17476L,formDataId=7153L,itemId=4930L,sectIndex=2)/officialRating"
      }
    },
    "tasks": {
      "results": []
    },
    "othersRatingComment": {
      "__deferred": {
        "uri": "https://<hostname>/odata/v2/FormObjective(formContentId=17476L,formDataId=7153L,itemId=4930L,sectIndex=2)/othersRatingComment"
      }
    },
    "itemConfig": {
      "__deferred": {
        "uri": "https://<hostname>/odata/v2/FormObjective(formContentId=17476L,formDataId=7153L,itemId=4930L,sectIndex=2)/itemConfig"
      }
    },
    "objectiveDetails": {
      "results": [
        {
          "__metadata": {
```
9.9 FormUserRatingComment

You can use this entity to describe ratings and comments of objective/competency/custom/signature/summary sections and items for PM forms. The data of this entity comes from form content XML.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].

Operations Allowed

Table 262:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify a specific user’s rating or comment in a specific form, mainly used by $expand. FormDataId, formContentId, sectIndex, item id, user id, and rating type are required in query to identify a specific user’s rating or comment.</td>
</tr>
<tr>
<td>UPSERT</td>
<td>Update a specific user’s rating or comment.</td>
</tr>
</tbody>
</table>
Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query: https://<hostname>/odata/v2/Entity('Your Entity')?$format=json

Use Cases: Query self rating or comment of a competency item

| Table 263: Request Information |
|-------------------------------|------------------|
| Operation                     | GET              |
| URI                           | http://<hostname>/odata/v2/FormUserRatingComment(formContentId=17617L,formDataId=7182L,itemId=7L,ratingType='na',sectIndex=4,userId='user1')?$format=json |
| URI                           | http://<hostname>/odata/v2/FormObjective(formContentId=728L,formDataId=955L,sectIndex=2,itemId=502L)?$expand=officialRating |
| URI                           | http://<hostname>/odata/v2/FormObjectiveSection(formContentId=728L,formDataId=955L,sectIndex=2)?$expand=othersRatingComment |
| Headers                       | Authorization: Basic <Base 64 encoded("user@company:password")> |

Response

```json
{
    "d": {
        "__metadata": {
            "uri": "https://<hostname>/odata/v2/FormUserRatingComment(formContentId=17617L,formDataId=7182L,itemId=7L,ratingType='na',sectIndex=4,userId='user1')",
            "type": "SFOData.FormUserRatingComment"
        },
        "sectIndex": 4,
        "formContentId": "17617",
        "userId": "user1",
        "ratingType": "na",
        "itemId": "7",
        "formDataId": "7182",
        "ratingPermission": "write",
        "commentLabel": "Managers Comments",
        "lastName": "LN",
```
Use Cases: Update self item rating or comment of Objective

Table 264: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>UPSERT</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/upsert</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Payload

```
{
   "__metadata": {
      "uri": "FormPMReviewContentDetail(formContentId=31902L,formDataId=28701L)",
      "type": "SFOData.FormPMReviewContentDetail"
   },
   "objSections": [
      {
         "__metadata": {
            "uri": "FormObjectiveSection(formContentId=31902L,formDataId=28701L,sectIndex=3)",
            "type": "SFOData.FormObjectiveSection"
         },
         "objectives": [
            {
               "__metadata": {
                  "uri": "FormObjective(formContentId=31902L,formDataId=28701L,itemId=351L,sectIndex=3)",
                  "type": "SFOData.FormObjective"
               },
               "selfRatingComment": {
                  "__metadata": {
                     "uri": "FormUserRatingComment(formContentId=31902L,formDataId=28701L,itemId=351L,ratingTy pe='na',sectIndex=3,userId='manager1')",
                     "type": "SFOData.FormUserRatingComment"
                  },
                  "ratingKey": "wf_sect_1_o_2_r",
                  "rating": "1.0"
               }
            }
         ]
      }
   ]
}
```
Response

Sample Code

```json
{
   "d": [
      {
         "key": "FormPMReviewContentDetail/formContentId=31902,FormPMReviewContentDetail/formDataId=28701",
         "status": "OK",
         "editStatus": "UPDATED",
         "message": null,
         "index": "0",
         "httpCode": "200",
         "inlineResults": null
      }
   ]
}
```

9.10 FormCompetencySection

You can use this entity to get the basic information of competency sections for PMV12 acceleration forms. The data of this entity comes from form content XML.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].
Operations Allowed

Table 265:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify a specific competency section in a specific form. formDataId, formContentId and sectIndex are required to query a specific competency section.</td>
</tr>
<tr>
<td>UPSERT</td>
<td>formDataId, formContentId and sectIndex are mandatory for upsert operation. Other than these values, you will need key property values and comment/rating key values of entities to be saved.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json

Use Cases: Query basic information of Competency Section

Table 266: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormCompetencySection(formContentId=17476L,formDataId=7153L,sectIndex=3)?$format=json</td>
</tr>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormCompetencySection(formContentId=17534L,formDataId=7176L,sectIndex=3)?$format=json&amp;$expand=competencies,sectionConfig</td>
</tr>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormCompetencySection(formContentId=17534L,formDataId=7176L,sectIndex=3)?$format=json&amp;$expand=selFRatingComment,othersRatingComment</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>
Response

Sample Code

```json
{
   "d": {
      "__metadata": {
         "uri": "https://<hostname>/odata/v2/FormCompetencySection(formContentId=17476L,formDataId=7153L,sectIndex=3)",
         "type": "SFOData.FormCompetencySection"
      },
      "sectIndex": 3,
      "formContentId": "17476",
      "formDataId": "7153",
      "sectDesc": "",
      "sectWeightKey": "wf_sect_3_sectweight",
      "sectWeight": "30.0",
      "sectName": "Competencies",
      "sectionConfig": {
         "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormCompetencySection(formContentId=17476L,formDataId=7153L,sectIndex=3)/sectionConfig"
         }
      },
      "selfRatingComment": {
         "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormCompetencySection(formContentId=17476L,formDataId=7153L,sectIndex=3)/selfRatingComment"
         }
      },
      "competencies": {
         "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormCompetencySection(formContentId=17476L,formDataId=7153L,sectIndex=3)/competencies"
         }
      },
      "othersRatingComment": {
         "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormCompetencySection(formContentId=17476L,formDataId=7153L,sectIndex=3)/othersRatingComment"
         }
      }
   }
}
```

Use Cases: Upsert self section comments of competency section

Table 267: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>UPSERT</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td><code>http://&lt;hostname&gt;/odata/v2/upsert</code></td>
</tr>
</tbody>
</table>
Payload

Sample Code

```json
{
  "__metadata": {
    "uri": "FormPMReviewContentDetail(formContentId=17549L,formDataId=7182L)",
    "type": "SFOData.FormPMReviewContentDetail"
  },
  "compSections": [
    {
      "__metadata": {
        "uri": "FormCompetencySection(formContentId=17549L,formDataId=7182L,sectIndex=4)",
        "type": "SFOData.FormCompetencySection"
      },
      "selfRatingComment": {
        "__metadata": {
          "uri": "FormUserRatingComment(formContentId=17549L,formDataId=7182L,itemId=-1L,ratingType ='na',sectIndex=4,userId='manager1')",
          "type": "SFOData.FormUserRatingComment"
        },
        "commentKey": "wf_sect_4_sc_manager1_c",
        "comment": "Section comment for role specific competencies by Manager"
      }
    }
  ]
}
```

Response

Sample Code

```json
{
    "d": [
        {
            "key": "FormPMReviewContentDetail/formContentId=17549L,FormPMReviewContentDetail/formDataId=7182",
            "status": "OK",
            "editStatus": "UPDATED",
            "message": null,
            "index": "0",
            "httpCode": "200",
            "inlineResults": null
        }
    ]
}
```
9.11 FormCompetency

You can use this entity to get the basic information of competencies for PMV12 acceleration forms. The data of this entity comes from form content XML.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].

Operations Allowed

Table 268:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify a specific competency item in a specific form. formDataId, formContentId, sectIndex and itemId are required to query a specific competency section.</td>
</tr>
<tr>
<td>UPSERT</td>
<td>formDataId, formContentId, sectIndex and itemId are mandatory for upsert operation. Other than these values, you will need key property values and comment/rating key values of entities to be saved.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('Your Entity')?$format=json

Use Cases: Query basic information of Form Competency item

Table 269: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormCompetency(formContentId=17617L,formDataId=7182L,sectIndex=4,itemId=7) ?$format=json</td>
</tr>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormCompetency(formContentId=17617L,formDataId=7182L,sectIndex=4,itemId=7) ?$format=json&amp;$expand=itemConfig,customElement</td>
</tr>
</tbody>
</table>
**Response**

```json
{
   "d": {
      "__metadata": {
         "uri": "https://<hostname>/odata/v2/FormCompetency(formContentId=17617L,formDataId=7182L,itemId=7L,sectIndex=4),",
         "type": "SFOData.FormCompetency"
      },
      "sectIndex": 4,
      "formContentId": "17617",
      "itemId": "7",
      "formDataId": "7182",
      "category": null,
      "weight": "10.0",
      "source": "SuccessFactors",
      "description": "Builds customer confidence, is committed to increasing customer satisfaction, assumes responsibility for solving customer problems, ensures commitments to customers are met, solicits opinions and ideas from customers, responds to internal customers.",
      "name": "Customer Focus",
      "weightKey": "wf_sect_4_c7_w",
      "expectedRating": "50.0%",
      "selfRatingComment": {
         "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormCompetency(formContentId=17617L,formDataId=7182L,itemId=7L,sectIndex=4)/selfRatingComment"
         }
      },
      "officialRating": {
         "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormCompetency(formContentId=17617L,formDataId=7182L,itemId=7L,sectIndex=4)/officialRating"
         }
      },
      "othersRatingComment": {
         "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormCompetency(formContentId=17617L,formDataId=7182L,itemId=7L,sectIndex=4)/othersRatingComment"
         }
      },
      "itemConfig": {
         "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormCompetency(formContentId=17617L,formDataId=7182L,itemId=7L,sectIndex=4)/itemConfig"
         }
      }
   }
}
```
Use Cases: Upsert self item comments, official rating and custom element values of competency item

Table 270: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>UPSERT</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/upsert</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Payload

Sample Code

```json
{
    "__metadata": {
        "uri": "FormPMReviewContentDetail(formContentId=17534L,formDataId=7176L)",
        "type": "SFOData.FormPMReviewContentDetail"
    },
    "compSections": [
        {
            "__metadata": {
                "uri": "FormCompetencySection(formContentId=17534L,formDataId=7176L,sectIndex=3)",
                "type": "SFOData.FormCompetencySection"
            },
            "competencies": [
                {
                    "__metadata": {
                        "uri": "FormCompetency(formContentId=17534L,formDataId=7176L,itemId=12L,sectIndex=3)",
                        "type": "SFOData.FormCompetency"
                    },
                    "customElement": {
```
Response

Sample Code

```json
{
    "d": [
        {
            "key": "FormPMReviewContentDetail/formContentId=17534,FormPMReviewContentDetail/formDataId=7176",
            "status": "OK",
            "editStatus": "UPDATED",
            "message": null,
            "index": "0",
            "httpCode": "200",
            "inlineResults": null
        }
    ]
}
```

9.12 FormCustomElement

You can use this entity to get the basic information of custom elements added to objectives or competencies for PMV12 acceleration forms. The data of this entity comes from form content XML.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].

Operations Allowed

Table 271:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify a specific custom element item in a form. formDataId, formContentId, sectIndex, itemId and elementKey are required to query a specific custom element item in a form.</td>
</tr>
<tr>
<td>UPSERT</td>
<td>formDataId, formContentId, sectIndex, itemId and elementKey are mandatory for upsert operation. Other than these values, you will need key property values and key values of entities to be saved.</td>
</tr>
</tbody>
</table>
Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query:

https://<hostname>/odata/v2/Entity('Your Entity')?$format=json

Use Cases: Query basic information of Form Custom element

Table 272: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/ FormCustomElement(formContentId=17628L,formDataId=7176L,itemId=14L,sectIndex=3,elementKey='ele_0')?$format=json</td>
</tr>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/ FormCustomElement(formContentId=17628L,formDataId=7176L,itemId=14L,sectIndex=3,elementKey='ele_0')?$format=json&amp;$expand=elist</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Response

Sample Code

```json
{
  "d": {
    "__metadata": {
      "uri": "https://<hostname>/odata/v2/ FormCustomElement(elementKey='ele_0',formContentId=17628L,formDataId=7176L,itemId=14L,sectIndex=3)",
      "type": "SFOData/FormCustomElement"
    },
    "sectIndex": 3,
    "elementKey": "ele_0",
    "formContentId": "17628",
    "itemId": "14",
    "formDataId": "7176",
    "valueKey": "wf_sect_3__c14_ele_00",
    "name": "CE3 List",
    "minValue": "0.0",
    "value": "T3",
    "writingAssistant": true,
    "type": "LIST",
    "required": false,
    "textMaxLength": -1,
    "checked": false,
    "editable": true,
    "maxValue": "0.0"
  }
}
```
Use Cases: Upsert custom element values of competency item

Table 273: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>UPSERT</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/upsert?</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (“user@company:password”)&gt;</td>
</tr>
</tbody>
</table>

Payload

Sample Code

```json
{
  "__metadata": {
    "uri": "FormPMReviewContentDetail(formContentId=17628L,formDataId=7176L)",
    "type": "SFOData.FormPMReviewContentDetail"
  },
  "compSections": [
    {
      "__metadata": {
        "uri": "FormCompetencySection(formContentId=17628L,formDataId=7176L,sectIndex=3)",
        "type": "SFOData.FormCompetencySection"
      },
      "competencies": [
        {
          "__metadata": {
            "uri": "FormCompetency(formContentId=17628L,formDataId=7176L,itemId=14L,sectIndex=3)",
            "type": "SFOData.FormCompetency"
          },
          "customElement": {
            "__metadata": {
              "uri": "FormCustomElement(formContentId=17628L,formDataId=7176L,itemId=14L,sectIndex=3,elementKey='ele_0')",
              "type": "SFOData.FormCustomElement"
            },
            "valueKey": "wf_sect_3__c12_ele_00",
            "value": "T3"
          }
        }
      ]
    }
  ]
}```
9.13 FormCustomElementListValue

You can use this entity to get the basic information of custom element list values added to a custom element linked to any competency or objective. The data of this entity comes from form content XML.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].
## Operations Allowed

Table 274:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify a specific custom element list item in a form. formDataId, formContentId, sectIndex, itemId and elementKey are required to query a specific custom element list item in a form.</td>
</tr>
</tbody>
</table>

## Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query:

```
https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json
```

## Use Cases

Table 275: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormCustomElementListValue(elementKey='ele_0',formContentId=17628L,formDataId=7176L,itemId=14L,name='T2',sectIndex=3) ?$format=json</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

## Response

```json
{
  "d": {
    "__metadata": {
      "uri": "https://<hostname>/odata/v2/FormCustomElementListValue(elementKey='ele_0',formContentId=17628L,formDataId=7176L,itemId=14L,name='T2',sectIndex=3")",
      "type": "SFOData.FormCustomElementListValue"
    },
    "sectIndex": 3,
    "elementKey": "ele_0",
    "formContentId": "17628",
    "name": "",
    "itemId": "14",
    "formDataId": "7176",
    "selected": false,
```
9.14 FormSectionConfig

You can use this entity to get the configuration details associated with objective/competency/custom/summary sections of PMV12 acceleration forms. The data of this entity comes from form content XML.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].

Operations Allowed

Table 276:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify a section configuration in a specific form. formDataId, formContentId, sectIndex and itemid are required to query a section configuration in a specific form.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('Your Entity')?$format=json

Use Cases

Table 277: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormSectionConfig(formContentId=17617L,formDataId=7182L,sectIndex=4)</td>
</tr>
</tbody>
</table>
Authorization: Basic <Base 64 encoded ("user@company:password")>

Response

### Sample Code

```json
{
  "d": {
    "__metadata": {
      "uri": "https://<hostname>/odata/v2/FormSectionConfig(formContentId=17617L,formDataId=7182L,sectIndex=4)",
      "type": "SFOData.FormSectionConfig"
    },
    "sectIndex": 4,
    "formContentId": "17617",
    "formDataId": "7182",
    "sectionWeightPermission": "write",
    "sectionCommentRequired": false,
    "hasItemComment": true,
    "addItem": false,
    "ratingOption": 2,
    "weightTotal": "-1.0",
    "enforceRTECharLimit": false,
    "enforcePlainTextCharLimit": false,
    "rateByBehavior": false,
    "hasSectionComment": true,
    "behaviorModeOption": 0,
    "formRatingScaleEntity": {
      "__deferred": {
        "uri": "https://<hostname>/odata/v2/FormSectionConfig(formContentId=17617L,formDataId=7182L,sectIndex=4)/formRatingScaleEntity"
      }
    },
    "formBehaviorRatingScaleEntity": {
      "__deferred": {
        "uri": "https://<hostname>/odata/v2/FormSectionConfig(formContentId=17617L,formDataId=7182L,sectIndex=4)/formBehaviorRatingScaleEntity"
      }
    }
  }
}```
9.15 FormItemConfig

You can use this entity to get the configuration details associated with objective or competency items of PMV12 acceleration forms. The data of this entity comes from form content XML.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].

Operations Allowed

Table 278:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify item configuration in a specific form. formDataId, formContentId, sectIndex and itemId are required to query item configuration in a specific form.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json

Use Cases: Query basic information of item configuration

Table 279: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormItemConfig(formContentId=17546L,formDataId=7181L,sectIndex=5,itemId=43)</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded('user@company:password')&gt;</td>
</tr>
</tbody>
</table>
Response

Sample Code

```json
{
    "d": {
        "__metadata": {
            "uri": "https://<hostname>/odata/v2/
FormItemConfig(formContentId=17546L,formDataId=7181L,itemId=43L,sectIndex=5)",
            "type": "SFOData.FormItemConfig"
        },
        "sectIndex": 5,
        "formContentId": "17546",
        "itemId": "43",
        "formDataId": "7181",
        "suppressItemComments": false,
        "suppressItemCommentsLabel": false,
        "itemWeightRequired": false,
        "itemRatingRequired": false,
        "itemEditable": false,
        "behaviorRemovable": false,
        "itemCommentRequired": false,
        "itemWeightPermission": "none",
        "itemRemovable": false
    }
}
```

9.16 FormIntroductionSection

You can use this entity to describe the basic information of introduction section for PM forms. The data of this entity comes from form content XML.

Permissions

For more information on permissions, refer [Performance Management Form Entities](#) [page 298].

Operations Allowed

Table 280:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query the basic information of introduction section in a specific form. formDataId and formContentId are required to query introduction section in a specific form.</td>
</tr>
</tbody>
</table>
Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity(''<Your Entity'')?$format=json

Use Cases

Table 281: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/ FormIntroductionSection (formContentId=17639L,formDataId=7221L)? $format=json</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Response

Sample Code

```json
{
    "d": {
        "__metadata": {
            "uri": "https://<hostname>/odata/v2/ FormIntroductionSection(formContentId=17639L,formDataId=7221L)",
            "type": "SFOData.FormIntroductionSection"
        },
        "formContentId": "17639",
        "formDataId": "7221",
        "sectDesc": "This is form introduction details.",
        "sectIndex": 0,
        "sectName": "Introduction"
    }
}
```
9.17 FormUserInfoSection

You can use this entity to query User info of form content based on specific criteria. These entities are used when you want to view the User Info section of your inbox. These entities can also be used by the manager to view his/her direct reports' User Info section.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].

Operations Allowed

Table 282:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query about User Info section using form Data ID and form Content ID</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity(''<Your Entity'')?$format=json

Use Cases:

Table 283: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>%http://&lt;hostname&gt;/odata/v2/FormUserInfoSection?$format=json</td>
</tr>
<tr>
<td>URI</td>
<td>%http://&lt;hostname&gt;/odata/v2/FormUserInfoSection(formContentId=17476L,formDataId=7153L)?$format=json</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>
9.18 FormSummarySection

You can use this entity to get the basic information of summary section for PMV12 acceleration forms. The data of this entity comes from form content XML.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].

Operations Allowed

Table 284:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify summary section in a specific form. formDataId and formContentId are required to query the basic information of summary section.</td>
</tr>
<tr>
<td>UPSERT</td>
<td>formDataId, formContentId and sectIndex are mandatory for upsert operation. Other than these values, you will need key property values and comment/rating key values of entities to be saved.</td>
</tr>
</tbody>
</table>
Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query:

https://<hostname>/odata/v2/Entity('Your Entity')?$format=json

Use Cases: Query basic information of Form Summary Section

Table 285: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormSummarySection(formContentId=17628L,formDataId=7176L)?$format=json</td>
</tr>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormSummarySection(formContentId=17628L,formDataId=7176L)?$format=json&amp;$expand=selfRatingComment,calculatedFormRating,overallFormRating</td>
</tr>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormSummarySection(formContentId=17628L,formDataId=7176L)?$format=json&amp;$expand=summaryListing/items</td>
</tr>
</tbody>
</table>
| Headers   | Authorization: Basic <Base 64 encoded (“user@company:password”)>

Response

Sample Code

```json
{
  "d": {
    "__metadata": {
      "uri": "https://<hostname>/odata/v2/FormSummarySection(formContentId=17628L,formDataId=7176L)",
      "type": "SFOData.FormSummarySection"
    },
    "formContentId": "17628",
    "formDataId": "7176",
    "sectDesc": "",
    "sectIndex": 4,
    "sectName": "Performance Summary",
    "overallAdjustedRating": {
      "__deferred": {
        "uri": "https://<hostname>/odata/v2/FormSummarySection(formContentId=17628L,formDataId=7176L)/overallAdjustedRating"
      }
    }
  }
}
```
Use Cases: Upsert self rating and overall rating values of form

Table 286: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>UPSERT</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/upsert?</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Payload

```json
{
    "__metadata": {
        "uri": "FormPMReviewContentDetail(formContentId=17628L,formDataId=7176L)",
        "type": "SFOData.FormPMReviewContentDetail"
    },
    "summarySection": {
        "__metadata": {
            "uri": "https://<hostname>/odata/v2/FormSummarySection(formContentId=17628L,formDataId=7176L)"
        }
    },
    "selfRatingComment": {
        "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormSummarySection(formContentId=17628L,formDataId=7176L)"
        }
    },
    "calculatedFormRating": {
        "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormSummarySection(formContentId=17628L,formDataId=7176L)"
        }
    },
    "overallFormRating": {
        "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormSummarySection(formContentId=17628L,formDataId=7176L)"
        }
    },
    "othersRatingComment": {
        "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormSummarySection(formContentId=17628L,formDataId=7176L)"
        }
    }
}
```
Response

Sample Code

```json
{
  "d": [
    
    
    ]
}
```
9.19  **FormSignatureSection**

You can use this entity to get the basic information of signature section for PMV12 acceleration forms. The data of this entity comes from form content XML.

**Permissions**

For more information on permissions, refer Performance Management Form Entities [page 298].

**Operations Allowed**

Table 287:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify signature section in a specific form. formDataId, formContentId and sectIndex are required to query the basic information of signature section.</td>
</tr>
<tr>
<td>UPSERT</td>
<td>formDataId, formContentId, sectIndex and stepid are mandatory for upsert operation. Other than these values, you will need key property values and comment/rating key values of entities to be saved.</td>
</tr>
</tbody>
</table>

**Properties**

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json

**Use Cases: Query basic information of Signature Section**

Table 288: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormSignatureSection(formContentId=17629L, formDataId=7181L, sectIndex=9)?$format=json</td>
</tr>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormSignatureSection(formContentId=17629L, formDataId=7181L, sectIndex=9)?$format=json&amp;$expand= signatures</td>
</tr>
</tbody>
</table>
Response

---

Sample Code

```json
{
  "d": {
    "__metadata": {
      "uri": "https://<hostname>/odata/v2/FormSignatureSection(formContentId=17629L,formDataId=7181L,sectIndex=9)",
      "type": "SFOData.FormSignatureSection"
    },
    "sectIndex": 9,
    "formContentId": "17629",
    "formDataId": "7181",
    "sectDesc": "Employee signature does not imply agreement or disagreement, only the acknowledgment that the discussion occurred.",
    "sectName": "Signatures",
    "signatures": {
      "__deferred": {
        "uri": "https://<hostname>/odata/v2/FormSignatureSection(formContentId=17629L,formDataId=7181L,sectIndex=9)/signatures"
      }
    }
  }
}
```

Use Cases: Upsert signature comments of signature section

Table 289: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>UPSERT</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/upsert?</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Payload

---

Sample Code

```json
{
  "__metadata": {
    "uri": "FormPMReviewContentDetail(formContentId=17629L,formDataId=7181L)"
  }
}
```
Response

Sample Code

```json
{
    "d": [
        {
            "key": "FormPMReviewContentDetail/formContentId=17629,FormPMReviewContentDetail/formDataId=7181",
            "status": "OK",
            "editStatus": "UPDATED",
            "message": null,
            "index": "0",
            "httpCode": "200",
            "inlineResults": null
        }
    ]
}
```
9.20 FormSignature

You can use this entity to get the basic information of signature entity for PMV12 acceleration forms. The data of this entity comes from form content XML.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].

Operations Allowed

Table 290:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify signature comments of each signature entity present in a specific form. formDataId, formContentId, sectIndex and stepId are required to query the basic information of form signature.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json

Use Cases: Query basic details of signature object

Table 291: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormSignature(formContentId=17629L,formDataId=7181L,sectIndex=9,stepId='154992821696258')?$format=json</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>
Response

### Sample Code

```json
{
    "d": {
        "__metadata": {
            "uri": "https://<hostname>/odata/v2/
FormSignature(formContentId=17629L,formDataId=7181L,sectIndex=9,stepId='154992821696258')",
            "type": "SFOData.FormSignature"
        },
        "sectIndex": 9,
        "formContentId": "17629",
        "formDataId": "7181",
        "signedBy": "User1",
        "status": "current",
        "signedDate": null,
        "roleType": "Employee:",
        "actionInfo": null,
        "stepOrder": 0,
        "comment": {
            "__deferred": {
                "uri": "https://<hostname>/odata/v2/
FormSignature(formContentId=17629L,formDataId=7181L,sectIndex=9,stepId='154992821696258')/comment"
            }
        }
    }
}
```

### 9.21 FormRatingScale

You can use this entity to get the basic information for a form rating scales associated with the competencies, objectives or summary section.

### Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].
Operations Allowed

Table 292:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to get rating scale in a form section. formDataId, formContentId and sectIndex are required to get rating scale in a form section.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query:

https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json

Use Cases

Table 293: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormRatingScale(formContentId=17628L,formDataId=7176L,sectIndex=2)?$format=json</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Response

Sample Code

```json
{
    "d": {
        "__metadata": {
            "uri": "https://<hostname>/odata/v2/FormRatingScale(formContentId=17628L,formDataId=7176L,sectIndex=2)"
        },
        "sectIndex": 2,
        "formContentId": "17628",
        "formDataId": "7176",
        "showValue": true,
        "scaleId": "2005b",
        "scaleType": "STAR",
        "name": "2005b",
        "reverseScale": false,
        "ratingScaleList": {
            "__deferred": {
```
9.22 FormRatingScaleValue

You can use this entity to get the basic information for a form rating scale value associated with the competencies, objectives or summary section.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].

Operations Allowed

Table 294:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify different sections of a specific form. formDataId, formContentId, sectIndex, scaleId and value are required to identify different sections of a specific form.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json

Use Cases

Table 295: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
</table>
9.23 FormCompetencyBehavior

You can use this entity to get the basic information of competency behavior for PMV12 acceleration forms. The data of this entity comes from form content XML.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].
Operations Allowed

Table 296:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify a specific competency behavior item in a specific form. formDataId, formContentId, sectIndex, itemId and behaviorId are required to query a specific competency behavior item.</td>
</tr>
<tr>
<td>UPSERT</td>
<td>formDataId, formContentId, sectIndex, itemId and behaviorId are mandatory for upsert operation. Other than these values, you will need key property values and comment/rating key values of entities to be saved.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('Your Entity')?$format=json

Use Cases: Query basic information of Competency item

Table 297: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormCompetencyBehavior(formContentId=17536L,formDataId=7178L,sectIndex=4,itemId=7,behaviorId=46051) ?$format=json</td>
</tr>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormCompetencyBehavior(formContentId=17536L,formDataId=7178L,sectIndex=4,itemId=7,behaviorId=46051) ?$format=json&amp;$expand=officialRating,selfRatingComment</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Response

```json
{
    "d": {
```
Use Cases: Upsert self-rating comments of competency behavior item

Table 298: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>UPSERT</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/upsert</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>
Payload

Sample Code

```json
{
    "__metadata": {
        "uri": "https://<hostname>/odata/v2/restricted/FormCompetency(formContentId=17536L,formDataId=7178L,itemId=7L,sectIndex=4)",
        "type": "SFOData.FormCompetency"
    },
    "competencyBehaviors": {
        "results": [
            {
                "__metadata": {
                    "uri": "https://<hostname>/odata/v2/restricted/FormCompetencyBehavior(behaviorId=46051L,formContentId=17536L,formDataId=7178L,itemId=7L,sectIndex=4)",
                    "type": "SFOData.FormCompetencyBehavior"
                },
                "selfRatingComment": {
                    "__metadata": {
                        "uri": "https://<hostname>/odata/v2/restricted/FormBehaviorRatingComment(behaviorId=46051L,formContentId=17536L,formDataId=7178L,itemId=7L,ratingType='na',sectIndex=4,userId='user1')",
                        "type": "SFOData.FormBehaviorRatingComment"
                    },
                    "commentKey": "wf_sect_4__c7_46051_br",
                    "comment": "Five Star - Updated from API"
                }
            }
        ]
    }
}
```

Response

Sample Code

```json
{
    "d": [
        {
            "key": " FormCompetency/formContentId=17536, FormCompetency/formDataId=7178, FormCompetency/sectIndex=4, FormCompetency/itemId=7",
            "status": "OK",
            "editStatus": "UPDATED",
            "message": null,
            "index": "0",
            "httpCode": "200",
            "inlineResults": null
        }
    ]
}
```
9.24 FormBehaviorRatingComment

You can use this entity to describe ratings and comments of competency behavior for PM forms. The data of this entity comes from form content XML.

Permissions

For more information on permissions, refer Performance Management Form Entities [page 298].

Operations Allowed

Table 299:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify a specific user’s rating/comment in a specific form, mainly used by $expand. formDataId, formContentId, sectIndex, item id, user id, rating type and behaviorId are required to query a specific user’s rating/comment.</td>
</tr>
<tr>
<td>UPSERT</td>
<td>Update a specific user’s rating/comment.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json

Use Cases: Query self rating/comment of a competency item

Table 300: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormBehaviorRatingComment(formContentId=17536L,formDataId=7178L,itemId=7L,ratingType='na',sectIndex=4,userId='user1')?$format=json</td>
</tr>
</tbody>
</table>
**Response**

### Sample Code

```
{
    "d": {
        "__metadata": {
            "uri": "https://<hostname>/odata/v2/restricted/FormBehaviorRatingComment(behaviorId=46051L,formContentId=17536L,formDataId=7178L,itemId=7L,ratingType='na',sectIndex=4,userId='user1')",
            "type": "SPData.FormBehaviorRatingComment"
        },
        "sectIndex": 4,
        "formContentId": "17536",
        "userId": "user1",
        "ratingType": "na",
        "behaviorId": "46051",
        "itemId": "7",
        "formDataId": "7178",
        "ratingPermission": "write",
        "commentLabel": "Subjects Comments",
        "lastName": "User LN",
        "commentKey": "wf_sect_4__c46051_cmt_user1_c",
        "textRating": "4.0 - 4",
        "ratingKey": "wf_sect_4__c46051_cmt_user1_",
        "ratingLabel": "Rating",
        "rating": "4.0",
        "comment": "Five Star - Updated from API Testing"
    }
}
```
Use Cases: Upsert self item rating/comment of competency behavior

Table 301: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>UPSERT</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/upsert</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded(&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Payload

Sample Code

```json
{
    "__metadata": {
        "uri": "https://<hostname>/odata/v2/restricted/FormCompetency(formContentId=17536L,formDataId=7178L,itemId=7L,sectIndex=4)",
        "type": "SFOData.FormCompetency"
    },
    "competencyBehaviors": {
        "results": [
            {
                "__metadata": {
                    "uri": "https://<hostname>/odata/v2/restricted/FormCompetencyBehavior(behaviorId=46051L,formContentId=17536L,formDataId=7178L,itemId=7L,sectIndex=4)",
                    "type": "SFOData.FormCompetencyBehavior"
                },
                "selfRatingComment": {
                    "__metadata": {
                        "uri": "https://<hostname>/odata/v2/restricted/FormBehaviorRatingComment(behaviorId=46051L,formContentId=17536L,formDataId=7178L,itemId=7L,ratingType='na',sectIndex=4,userId='user1')",
                        "type": "SFOData.FormBehaviorRatingComment"
                    },
                    "commentKey": "wf_sect_4_c7_46051_br",
                    "comment": "Five Star - Updated from API"
                }
            }
        ]
    }
}
```

Response

Sample Code

```json
{
    "d": [
    
    ]
}
```
10  Workflow Entities

Talent form workflow APIs enable you to integrate with third party HRIS systems, which provide the ability to query and update form workflow. Currently it only supports PMV12 acceleration form.

Talent form workflow OData APIs enable you to:

- Query form route map details. You can query details of route map, route step and route step details.
- Move the form to next step (C Step, I Step and Single Step send)
- Sign form (Single Step Only)
- Reject form (Single Step Only)

Permissions

Table 302: For Route map entities

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role based</td>
<td>Go to Admin Center Manage Permission Roles Manage Integration Tools, and select Admin access to OData API</td>
</tr>
<tr>
<td>User based</td>
<td>Go to Admin Privilege Integration Tools, and select Admin access to OData API</td>
</tr>
<tr>
<td>Provisioning</td>
<td>Go to Provisioning Company Settings Performance Appraisal Smart Form</td>
</tr>
<tr>
<td></td>
<td>Go to Provisioning Company Settings PM v12 Acceleration</td>
</tr>
</tbody>
</table>

10.1  FormRouteMap

You can use this entity to query Route Map of form content based on specific criteria. This entity is used when you want to see route map of your form and your manager wants to view his direct reports Route Map.

Permissions

For more information on permissions, refer Workflow Entities [page 362].
Operations Allowed

Table 303:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query about RouteMap using formDataID.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json

Use Cases

Table 304: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormRouteMap(formDataId=7219L)?$format=json</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Response

```
{   "d": {     "__metadata": {         "uri": "https://<hostname>/odata/v2/FormRouteMap(7219L)",         "type": "SFOData.FormRouteMap"     },     "formDataId": "7219",     "routeId": -1,     "routeName": "",     "routeStep": {         "__deferred": {             "uri": "https://<hostname>/odata/v2/FormRouteMap(7219L)/routeStep"         }     }   }
```
10.2 FormRouteStep

You can use this entity to query form Route Step and its sub step details.

Permissions

For more information on permissions, refer Workflow Entities [page 362].

Operations Allowed

Table 305:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query about RouteStep using formDataID and stepOrder.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('Your Entity')?$format=json

Use Cases

Table 306: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormRouteStep(formDataId=7219L,stepOrder=0)?$format=json</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>
Response

Sample Code

```json
{
    "d": {
        "__metadata": {
            "uri": "https://<hostname>/odata/v2/FormRouteStep(formDataId=7219L,stepOrder=0)",
            "type": "SFOData.FormRouteStep"
        },
        "formDataId": "7219",
        "stepOrder": 0,
        "stageName": "Assessment",
        "stageType": "MODIFICATION",
        "current": true,
        "overDue": false,
        "UserRole": null,
        "userFullName": null,
        "stepDesc": "",
        "dueDate": "",
        "stepName": "Istep",
        "completed": false,
        "routeSubStep": {
            "__deferred": {
                "uri": "https://<hostname>/odata/v2/FormRouteStep(formDataId=7219L,stepOrder=0)/routeSubStep"
            }
        }
    }
}
```

10.3 FormRouteSubStep

You can use this entity to query form sub step details of Route Step.

Permissions

For more information on permissions, refer Workflow Entities [page 362].

Operations Allowed

Table 307:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query about RouteSubStep using formDataID, stepOrder and subStepOrder.</td>
</tr>
</tbody>
</table>
Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query `https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json`

Use Cases

Table 308: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;hostname&gt;/odata/v2/FormRouteSubStep(formDataId=7219L,stepOrder=0,subStepOrder=2)?$format=json</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Response

Sample Code

```json
{
    "d": {
        "__metadata": {
            "uri": "https://<hostname>/odata/v2/FormRouteSubStep(formDataId=7219L,stepOrder=0,subStepOrder=2)",
            "type": "SFOData.FormRouteSubStep"
        },
        "subStepOrder": 2,
        "formDataId": "7219",
        "stepOrder": 0,
        "entryUser": false,
        "currentStep": false,
        "userRole": "HR Rep.",
        "userFullName": "Lorna Okamoto",
        "exitUser": true
    }
}
```
10.4 Import Functions

10.4.1 signForm

You can use this entity to sign and send the form to next step in route map.

Operations Allowed

Table 309:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>To sign the form.</td>
</tr>
</tbody>
</table>

Parameters

Table 310:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>formDataId</td>
<td>Indicates Document id. This is a mandatory field.</td>
<td>Long</td>
</tr>
<tr>
<td>comment</td>
<td>Indicates signing comment provided by the user. If &quot;Disable Ask For Comment Routing&quot; is unselected in the form template settings, only then this parameter should be passed. This is an optional field.</td>
<td>String</td>
</tr>
</tbody>
</table>

Use Case

Table 311:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>https://&lt;hostname&gt;/odata/v2/signForm?formDataId=1234L&amp;comment='my comment'</td>
<td>Sign form with form data id as 1234L</td>
</tr>
</tbody>
</table>
Code Examples

```xml
  <d:status>Success</d:status>
</d:CORouteFormStatusBean>
```

Error Codes

Table 312:

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWF_MISS_REQUIRE_PARAMETER_ERROR</td>
<td>If Form data id is not provided in the URL.</td>
</tr>
<tr>
<td>TWF_INCORRECT_PARAMETER_ERROR</td>
<td>You may get this error message due to following reasons:</td>
</tr>
<tr>
<td></td>
<td>1. Form not found for the given form data id.</td>
</tr>
<tr>
<td></td>
<td>2. Form is found but workflow action cannot be operated.</td>
</tr>
<tr>
<td></td>
<td>For example, form is in en route/completed folder.</td>
</tr>
<tr>
<td></td>
<td>3. Sign form is called, but the form is not at signoff stage.</td>
</tr>
<tr>
<td></td>
<td>4. Form has not reached the exit date based on route map configuration.</td>
</tr>
<tr>
<td></td>
<td>5. If 'Disable Ask For Comment Routing' is selected in form template settings and comment is provided by the user.</td>
</tr>
</tbody>
</table>

Related Information

sendToNextStep [page 369]
RejectForm [page 371]
10.4.2 sendToNextStep

You can use this entity to send the form to next step in route map.

Operations Allowed

Table 313:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Send the form to next step.</td>
</tr>
</tbody>
</table>

Parameters

Table 314:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>formDataId</td>
<td>Indicates Document id. This is a mandatory field.</td>
<td>Long</td>
</tr>
<tr>
<td>comment</td>
<td>Indicates routing comment. If you unselect “Disable Ask For Comment Routing” in the form template settings, only then this parameter is passed. This is an optional parameter.</td>
<td>String</td>
</tr>
<tr>
<td>innerStepUserId</td>
<td>Indicates recipient user in current I step, if current step is I step.</td>
<td>String</td>
</tr>
<tr>
<td>nextIStepEntryUser</td>
<td>Indicates first recipient user in next I step, if next step is I step.</td>
<td>String</td>
</tr>
</tbody>
</table>

Use Case

Table 315:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>https://&lt;hostname&gt;/odata/v2/ sendToNextStep?formDataId=1234L&amp;comment='my comment'</code></td>
<td>Move the form to next step for document id 1234L</td>
</tr>
<tr>
<td><code>https://&lt;hostname&gt;/odata/v2/ sendToNextStep?formDataId=1234L&amp;innerStepUserId='user1'</code></td>
<td>Send form to inner current I step with form data id as 1234L and inner step user id as user1.</td>
</tr>
<tr>
<td><code>https://&lt;hostname&gt;/odata/v2/ sendToNextStep?formDataId=1234L&amp;nextIStepEntryUser='user2'</code></td>
<td>Send form to next step and specify which user can first receive it if next step is I step with form data id as 1234L and next I Step entry user as user2.</td>
</tr>
</tbody>
</table>
Code Examples

```xml
  <d:status>Success</d:status>
</d:CORouteFormStatusBean>
```

Error Codes

Table 316:

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWF_MISS_REQUIRE_PARAMETER_ERROR</td>
<td>If the current step is I step and innerStepUserId has not been given.</td>
</tr>
<tr>
<td>TWF_INCORRECT_PARAMETER_ERROR</td>
<td>You may get this error message due to following reasons:</td>
</tr>
<tr>
<td></td>
<td>1. Form not found for the given form data id.</td>
</tr>
<tr>
<td></td>
<td>2. Form is found but workflow action cannot be operated.</td>
</tr>
<tr>
<td></td>
<td>For example, form is in en route/completed folder.</td>
</tr>
<tr>
<td></td>
<td>3. Send form is called, but the form is not at modify or rejected stage.</td>
</tr>
<tr>
<td></td>
<td>4. If the current step is I step and innerStepId value is same as the</td>
</tr>
<tr>
<td></td>
<td>current form owner.</td>
</tr>
<tr>
<td></td>
<td>5. If 'Disable Ask For Comment Routing' is selected in form template</td>
</tr>
<tr>
<td></td>
<td>settings and comment is provided by the user.</td>
</tr>
</tbody>
</table>

Related Information

signForm [page 367]
RejectForm [page 371]
10.4.3 RejectForm

You can use this entity to reject the form.

Operations Allowed

Table 317:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>To reject the form.</td>
</tr>
</tbody>
</table>

Parameters

Table 318:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>formDataId</td>
<td>Indicates Document id. This is a mandatory field.</td>
<td>Long</td>
</tr>
<tr>
<td>comment</td>
<td>Indicates comment for rejecting the form provided by the user. If “Disable Ask For Comment Routing” is unselected in the form template settings, only then this parameter should be passed. This is an optional field.</td>
<td>String</td>
</tr>
</tbody>
</table>

Use Case

Table 319:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>https://&lt;hostname&gt;/odata/v2/signForm?formDataId=1234L&amp;comment='my comment'</td>
<td>Reject form with form data id 1234L</td>
</tr>
</tbody>
</table>

Code Examples

```xml
<d:status>Success</d:status>  
</d:CORouteFormStatusBean>
```
Error Codes

Table 320:

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWF_MISS_REQUIRE_PARAMETER_ERROR</td>
<td>If Form data id is not provided in the URL.</td>
</tr>
<tr>
<td>TWF_INCORRECT_PARAMETER_ERROR</td>
<td>You may get this error message due to following reasons:</td>
</tr>
<tr>
<td></td>
<td>1. Form not found for the given form data id.</td>
</tr>
<tr>
<td></td>
<td>2. Form is found but workflow action cannot be operated.</td>
</tr>
<tr>
<td></td>
<td>For example, form is in en route/completed folder.</td>
</tr>
<tr>
<td></td>
<td>3. Reject form is called, but the form is not at signoff stage.</td>
</tr>
<tr>
<td></td>
<td>4. Form has not reached the exit date based on route map configuration.</td>
</tr>
<tr>
<td></td>
<td>5. If 'Disable Ask For Comment Routing' is selected in form template settings and comment is provided by the user.</td>
</tr>
</tbody>
</table>

Related Information

signForm [page 367]
sendToNextStep [page 369]
11 360 Multirater Form Entities

360 Form OData APIs enables you to access form contents of a 360 form.

Permissions

To use 360 OData APIs, you should have following permissions:

Table 321: Pre-condition Permissions

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provisioning</td>
<td>Enable OData API in provisioning: Go to [Provisioning][Company Settings] and clear the Disable OData API check box. Enable 360 Multi-Rater in provisioning: Go to [Provisioning][Company Settings] and select Enable 360 Multi-Rater.</td>
</tr>
</tbody>
</table>

i Note

Selecting the Enable 360 Multi-Rater option also enables the section level permissions - 360Competency section and 360Objective section.

Table 322: Template configured permissions - Section Level Permission

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role based</td>
<td>Enable 360 Detailed Report: Go to [Provisioning][Company Settings] and select Enable 360 Multi-Rater.</td>
</tr>
</tbody>
</table>

Table 323: Template configured permissions - Send Copy

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>User based</td>
<td>Enable 360 Detailed Report Permission: Go to [Admin Center][Form Template Settings] 360 Degree/Multi-Review and enable 360 Detailed Report Permission for Process Owner, Manager/HR, Employee, Approvers and Users With Detailed 360 Reports Privilege.</td>
</tr>
</tbody>
</table>

i Note

Selecting the Enable Graphic Report(360) option also enables you to choose the named view or anonymous view for the send copy employees.
### Table 324: Other Permissions

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Settings</th>
</tr>
</thead>
</table>
| User based        | Enable Form Templates, Rating Scales, Routing Maps: Go to Admin Center > Manage Form Templates  
                       Enable Admin access to Odata API: Go to Admin Center > Permission and enable Admin access to OData API |

### 11.1 Form360ReviewContentDetail

You can use this entity to query basic information about different sections present in a 360 form. The data for this entity comes from form content XML.

#### Permissions

For more information on permissions, refer [360 Multirater Form Entities](page 373).

#### Operations Allowed

Table 325:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify a specific form content. formContentId and formDataId are required to query a specific form content.</td>
</tr>
</tbody>
</table>

#### Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query: 
```
https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json
```

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## Use Cases

Table 326: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>URI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>https://&lt;hostname&gt;/odata/v2/Form360ReviewContentDetail(formContentId=&lt;formContentId&gt;,formDataId=&lt;formDataId&gt;)?format=json</td>
</tr>
<tr>
<td></td>
<td>https://&lt;hostname&gt;/odata/v2/Form360ReviewContentDetail(formContentId=&lt;formContentId&gt;,formDataId=&lt;formDataId&gt;)/summarySection?format=json</td>
</tr>
<tr>
<td></td>
<td>https://&lt;hostname&gt;/odata/v2/Form360ReviewContentDetail(formContentId=&lt;formContentId&gt;,formDataId=&lt;formDataId&gt;)/raterListSection?format=json</td>
</tr>
<tr>
<td></td>
<td>https://&lt;hostname&gt;/odata/v2/Form360ReviewContentDetail(formContentId=&lt;formContentId&gt;,formDataId=&lt;formDataId&gt;)/compSections?format=json</td>
</tr>
<tr>
<td></td>
<td>https://&lt;hostname&gt;/odata/v2/Form360ReviewContentDetail(formContentId=&lt;formContentId&gt;,formDataId=&lt;formDataId&gt;)/objSections?format=json</td>
</tr>
<tr>
<td></td>
<td>https://&lt;hostname&gt;/odata/v2/Form360ReviewContentDetail(formContentId=&lt;formContentId&gt;,formDataId=&lt;formDataId&gt;)/form360RaterSection?format=json</td>
</tr>
</tbody>
</table>

| Headers   | Authorization: Basic <Base 64 encoded ("user@company:password")> |

## Response

### Sample Code

Query basic information of the 360 form:

```json
{
    "d": {
        "__metadata": {
            "uri": "https://<hostname>/odata/v2/Form360ReviewContentDetail(formContentId=<formContentId>,formDataId=<formDataId>)",
            "type": "SFOData.Form360ReviewContentDetail"
        },
        "formContentId": "4779",
        "formDataId": "2303",
        "subjectUserName": "Wilma Sown",
        "originatorUserId": "cgrant1",
        "form360Rater": "
```
Sample Code

Query basic information of the summary section:

```json
{
    "d": {
        "__metadata": {
            "uri": "https://<hostname>/odata/v2/FormSummarySection(formContentId=<>,formDataId=?)",
            "type": "SFOData.FormSummarySection"
        },
        "formContentId": "4779",
        "formDataId": "2303",
        "sectDesc": "",
        "sectIndex": 5,
        "sectName": "Overall Average Rating",
        "overallAdjustedRating": {
            "__deferred": {
                "uri": "https://<hostname>/odata/v2/FormSummarySection(formContentId=<>,formDataId=?)/overallAdjustedRating"
            }
        },
        "sectConfig": {
            "__deferred": {
                "uri": "https://<hostname>/odata/v2/FormSummarySection(formContentId=<>,formDataId=?)/sectConfig"
            }
        },
        "selfRatingComment": {
            "__deferred": {
```
Sample Code
Query the rater list of the 360 form:

```
{
  d: {
    results: [{
      __metadata: {
        uri: "https://<hostname>/odata/v2/FormRaterListSection(formContentId=\?, formDataId=\?)",
        type: "SFOData.FormRaterListSection"
      },
      formContentId: "34066",
      formDataId: "46047",
      mail: "foo@dummy.com",
      internalOrExternal: "internal",
      category: "Manager",
      participantName: "Alexander Thompson",
      manager: "dcortez1",
      division: "ACE Software",
      department: "N/A",
      company: "qacandrot_PLT7056",
      cellPhone: "",
      jobCode: "DEPT-PRES",
      participantID: "athompson1",
      jobTitle: "Boutique Coffee Specialist"
    }
  ]
}
```

Sample Code
Query basic information of the competency sections:

```
{
  "d": {
    "results": [
    {
      "__metadata": {
```
Sample Code
Query basic information of the objective sections:

```json
{
  "d": {
    "results": [
      {
        "__metadata": {
          "uri": "https://<hostname>/odata/v2/FormObjectiveSection(formContentId=<?, formDataId=<?, sectIndex=5)",
          "type": "SFOData.FormObjectiveSection"
        },
        "sectIndex": 5,
        "formContentId": "34066",
        "formDataId": "46047",
        "sectDesc": "",
        "sectWeight": null,
        "sectName": "Objective",
        "objectives": {
          "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormObjectiveSection(formContentId=<?, formDataId=<?, sectIndex=5)/objectives"
          }
        }
      }
    ]
  }
}
```
Sample Code

Query basic information of the rater section

```json
{
  "d": {
    "__metadata": {
      "uri": "https://<hostname>/odata/v2/Form360RaterSection(formContentId=\?,formDataId=\?)",
      "type": "SFOData.Form360RaterSection"
    },
    "formContentId": "34066",
    "formDataId": "46047",
    "formStatus": 3,
    "formRating": "0.0/5.0",
    "formStatusDesc": "Completed",
    "form360Raters": {
      "__deferred": {
        "uri": "https://<hostname>/odata/v2/Form360RaterSection(formContentId=\?,formDataId=\?)"/
      }
    }
  }
}
```
11.2 Form360RaterSection

You can use this entity to query information about Raters and Ratings given in a 360 form. You can access this entity only after the modify stage.

Permissions

For more information on permissions, refer 360 Multirater Form Entities [page 373].

Operations Allowed

Table 327:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query basic information about Raters and Ratings given in a 360 form. <code>formContentId</code> and <code>formDataId</code> are required to query the objective section of a specified form content.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query `https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json`

Use Cases

Table 328: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td><code>https://&lt;hostname&gt;/odata/v2/Form360RaterSection(formContentId=&lt;?,formDataId=&lt;?&gt;)$format=json</code></td>
</tr>
<tr>
<td>URI</td>
<td><code>https://&lt;hostname&gt;/odata/v2/Form360RaterSection/form360Raters(formContentId=&lt;?,formDataId=&lt;?&gt;)$format=json</code></td>
</tr>
<tr>
<td>Headers</td>
<td><code>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</code></td>
</tr>
</tbody>
</table>
Response

Sample Code

Query basic information of the rater section.

```json
{
  "d": {
    "__metadata": {
      "uri": "https://<hostname>/odata/v2/
        Form360RaterSection(formContentId=<?>,formDataId=<?,formErrorMessage=?)",
      "type": "SFOData.Form360RaterSection"
    },
    "formContentId": "34066",
    "formDataId": "46047",
    "formStatus": 3,
    "formRating": "0.0/5.0",
    "formStatusDesc": "Completed",
    "form360Raters": {
      "__deferred": {
        "uri": "https://<hostname>/odata/v2/
          Form360RaterSection(formContentId=<?>,formDataId=<?,formErrorMessage=?)"
      }
    }
  }
}
```

Sample Code

Query list of raters and their rating information.

```json
{
  "d": {
    "results": [{
      "__metadata": {
        "uri": "https://<hostname>/odata/v2/
          Form360Rater(formContentId=<?>,formDataId=<?,formErrorMessage=?)",
        "type": "SFOData.Form360Rater"
      },
      "formContentId": "34066",
      "formDataId": "46047",
      "internalOrExternal": "internal",
      "mail": "ckim@successfactors.com",
      "manager": "athompson1",
      "department": "dept 81",
      "cellPhone": "",
      "participantRatingStatus": "Completed",
      "participantID": "cgrant1",
      "category": "Manager",
      "participantName": "Carla Grant",
      "division": "ACE Software",
      "company": "qacandrot_PLT7056",
      "participantRating": "",
      "jobCode": "VP-SALES",
      "jobTitle": "Boutique Coffee Specialist",
      "summarySection": {
        "__deferred": {
          "uri": "https://<hostname>/odata/v2/
            Form360Rater(formContentId=<?>,formDataId=<?,formErrorMessage=?)"
        }
      },
      "compSections": {
```
11.3 Form360Rater

You can use this entity to query information about Raters and Rating details given in a 360 form.

Permissions

For more information on permissions, refer 360 Multirater Form Entities [page 373].

Operations Allowed

Table 329:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query basic information about Raters and Ratings given in a 360 form. formContentId and formDataId are required to query the objective section of a specified form content.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query [https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json](https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json)
Use Cases

Table 330: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>URI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>https://&lt;hostname&gt;/odata/v2/Form360Rater(formContentId=&lt;?, formDataId=&lt;?,?)?$format=json</td>
</tr>
<tr>
<td></td>
<td>https://&lt;hostname&gt;/odata/v2/Form360Rater(formContentId=&lt;?, formDataId=&lt;?,?)/summarySection?$format=json</td>
</tr>
<tr>
<td></td>
<td>https://&lt;hostname&gt;/odata/v2/Form360Rater(formContentId=&lt;?, formDataId=&lt;?,?)/compSections?$format=json</td>
</tr>
<tr>
<td></td>
<td>https://&lt;hostname&gt;/odata/v2/Form360Rater(formContentId=&lt;?, formDataId=&lt;?,?)/objSections?$format=json</td>
</tr>
</tbody>
</table>

| Headers    | Authorization: Basic <Base 64 encoded ("user@com­pany:password")> |

Response

Sample Code

Query basic information of raters in a 360 Form.

```json
{
   "d": {
      "@odata.metadata": "https://<hostname>/odata/v2/restricted/Form360Rater(formContentId=<?,formDataId=<?,?)",
      "formContentId": "14829",
      "formDataId": "7069",
      "internalOrExternal": "",
      "manager": "",
      "department": "",
      "cellPhone": "",
      "participantRatingStatus": "Pending",
      "participantID": "",
      "category": "Direct Report",
      "participantName": "Anonymous",
      "division": "",
      "company": "",
      "participantRating": "",
      "jobCode": "",
      "jobTitle": "",
      "summarySection": {
```

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Sample Code

Query summary section of the rater.

```json
{
  "d": {
    "__metadata": {
      "uri": "https://<hostname>/odata/v2/ FormSummarySection(formContentId<?,formDataId<?, type": "SFOData.FormSummarySection"
    },
    "formContentId": "34066",
    "formDataId": "46047",
    "sectDesc": "<font color=#000055 size=4><b>Overall Rating Cong Test Summary</font></b>",
    "sectIndex": 4,
    "sectName": "Overall Rating",
    "overallAdjustedRating": {
      "__deferred": {
        "uri": "https://<hostname>/odata/v2/ FormSummarySection(formContentId<?,formDataId<?,overallAdjustedRating"
      },
      "sectConfig": {
        "__deferred": {
          "uri": "https://<hostname>/odata/v2/ FormSummarySection(formContentId<?,formDataId<?,sectConfig"
        },
        "selfRatingComment": {
          "__deferred": {
            "uri": "https://<hostname>/odata/v2/ FormSummarySection(formContentId<?,formDataId<?,selfRatingComment"
          },
          "groupMatrix": {
            "__deferred": {
              "uri": "https://<hostname>/odata/v2/ FormSummarySection(formContentId<?,formDataId<?,groupMatrix"
            },
            "calculatedFormRating": {
              "__deferred": {
                "uri": "https://<hostname>/odata/v2/ FormSummarySection(formContentId<?,formDataId<?,calculatedFormRating"
              }
            }
          }
        }
      }
    }
  }
}
Sample Code

Query competency sections of the rater.

```json
{
  "d": {
    "results": [
      {
        "__metadata": {
          "uri": "https://<hostname>/odata/v2/FormCompetencySection(formContentId=\<?\>,formDataId=\<?\>,sectIndex=2)"
        },
        "sectIndex": 2,
        "formContentId": "34066",
        "formDataId": "46047",
        "sectDesc": "<font color=#000055 size=4><b>Competency Feedback</b></font>",
        "sectWeightKey": "wf_sect_2_sectweight",
        "sectWeight": null,
        "sectName": "Competency Feedback",
        "sectionConfig": {
          "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormCompetencySection(formContentId=\<?\>,formDataId=\<?\>,sectIndex=2)/sectionConfig"
          }
        },
        "selfRatingComment": {
          "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormCompetencySection(formContentId=\<?\>,formDataId=\<?\>,sectIndex=2)/selfRatingComment"
          }
        },
        "competencies": {
          "__deferred": {
            "uri": "https://<hostname>/odata/v2/FormCompetencySection(formContentId=\<?\>,formDataId=\<?\>,sectIndex=2)/competencies"
          }
        },
        "othersRatingComment": {
          "__deferred": {
```
Query objective sections of the rater.

```json
{
   "d": {
      "results": [
         {
            "__metadata": {
                "uri": "https://<hostname>/odata/v2/FormObjectiveSection(formContentId=?),formDataId=?),sectIndex=5)",
                "type": "SFOData.FormObjectiveSection"
            },
            "sectIndex": 5,
            "formContentId": "34066",
            "formDataId": "46047",
            "sectDesc": "",
            "sectWeight": null,
            "sectName": "Objective",
            "objectives": {
               "__deferred": {
                   "uri": "https://<hostname>/odata/v2/FormObjectiveSection(formContentId=?),formDataId=?),sectIndex=5)/objectives"
               },
            "sectionConfig": {
               "__deferred": {
                   "uri": "https://<hostname>/odata/v2/FormObjectiveSection(formContentId=?),formDataId=?),sectIndex=5)/sectionConfig"
               },
            "selfRatingComment": {
               "__deferred": {
                   "uri": "https://<hostname>/odata/v2/FormObjectiveSection(formContentId=?),formDataId=?),sectIndex=5)/selfRatingComment"
               },
            "othersRatingComment": {
               "__deferred": {
                   "uri": "https://<hostname>/odata/v2/FormObjectiveSection(formContentId=?),formDataId=?),sectIndex=5)/othersRatingComment"
               }
         }
      ]
   }
}```
11.4 FormRaterListSection

You can use this entity to describe a list of raters in a 360 Form. This API allows an employee or a manager to modify the participants in modify stage. So this API entity is only available in modify stage.

Permissions

For more information on permissions, refer 360 Multirater Form Entities [page 373].

Operations Allowed

Table 331:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query the rater list section of a specified form content. formContentId and formDataId are required to query the rater list section of a specified form content.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query: https://<hostname>/odata/v2/Entity('<YourEntity')?$format=json

Use Cases

Table 332: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>http://&lt;Hostname&gt;/odata/v2/ FormRaterListSection(formContentId=&lt;&lt; &gt;,formDataId=&lt;&lt; &gt;)?$format=json</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Note

You must input "formContentId" and "formDataID" to access this entity. You can use the following URL to pick a 360 Form, view the details, and get the value for the two IDs: "https://<hostname>/odata/v2/FormHeader?$format=json&$filter=formTemplateType eq '360'"
Response

Sample Code

```json
{
    "d": {
        "results": [
            {
                "__metadata": {
                    "uri": "https://<hostname>/odata/v2/FormRaterListSection(formContentId=<>,formDataId=<>)",
                    "type": "SFOData.FormRaterListSection"
                },
                "formContentId": "34066",
                "formDataId": "46047",
                "mail": "foo@dummy.com",
                "internalOrExternal": "internal",
                "category": "Manager",
                "participantName": "Alexander Thompson",
                "manager": "dcortez1",
                "division": "ACE Software",
                "department": "N/A",
                "company": "qacandrot_PLT7056",
                "cellPhone": "",
                "jobCode": "DEPT-PRES",
                "participantID": "athompson1",
                "jobTitle": "Boutique Coffee Specialist"
            }
        ]
    }
}
```
12 Succession OData Entities

OData APIs from Succession enable customers to build custom extensions on standard SuccessFactors application Succession Planning.

The most common need for customers is the ability to create alternate visualizations on top of the succession data. To allow customers to do that, OData APIs in Succession Planning should expose:

- Successor data
- Incumbent data
- Position data
- Talent Flag info
- Icon / gradient configuration from the XML
- Trend data

You can access successors in both MDF-Position and Legacy-Position only when you have succession planning permission for those positions. Also you can access all members and individual nomination details in a talent pool when it’s permitted.

Permissions

Once you have the following access permission, you can access succession planning information about positions, incumbent, and talent pools. To access succession OData API, enable the following feature settings in your instance:

Table 333: Enable OData API permission

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provisioning</td>
<td>Got to Provisioning ➔ Company Settings ➔ and clear Disable OData API</td>
</tr>
<tr>
<td>User based</td>
<td>Go to Admin Center, and select Admin access to OData API</td>
</tr>
</tbody>
</table>

Table 334: Enable MDF permission

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provisioning</td>
<td>Enable RBP: Go to Provisioning ➔ Company Settings ➔ and select Role-based Permission</td>
</tr>
<tr>
<td></td>
<td>Enable Generic Object: Go to Provisioning ➔ Company Settings ➔ and select &quot;Enable Generic Objects — requires &quot;Enable the Attachment Manager&quot;</td>
</tr>
<tr>
<td>Permission System</td>
<td>Required Settings</td>
</tr>
<tr>
<td>-------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td><strong>User based</strong></td>
<td>Enable Metadata Framework: Go to Admin Center, Manage Permission Roles, Permission, Metadata Framework, Select All</td>
</tr>
</tbody>
</table>

**Note**

Please confirm that Admin access to MDF OData API has been enabled.

---

**Table 335: Enable Succession Module Access Permissions in Provisioning**

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Provisioning</strong></td>
<td>To access Succession in v10, enable Live Profile: Go to Provisioning &gt; Company Settings, and select Live Profile</td>
</tr>
<tr>
<td></td>
<td>To access Succession in Ultra, enable Succession Management: Go to Provisioning &gt; Company Settings, and select Succession Management</td>
</tr>
<tr>
<td></td>
<td>To create Succession Plans, enable Succession Planning: Go to Provisioning &gt; Company Settings, and select Succession Planning (enables succession plan creation features)</td>
</tr>
<tr>
<td></td>
<td>To view Succession Plans the application: Go to Provisioning &gt; Company Settings, and select Ultra Organization Chart [requires Version 10 UI or Version 11 UI framework (ULTRA)]</td>
</tr>
<tr>
<td></td>
<td>To access Position Management: Go to Provisioning &gt; Company Settings, and select Enable Position Management</td>
</tr>
</tbody>
</table>

---

**Table 336: Enable Succession Planning Permissions**

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Role based</strong></td>
<td>Go to Admin Center, Manage Permission Roles, Permission, Succession Planners, and select Succession Org Chart Permission, Succession Approval Permission, Succession Management and Matrix Report Permissions, and Succession Planning Permission</td>
</tr>
</tbody>
</table>
Table 337: Enable MDF Position Permission

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role based</td>
<td>Go to [Admin Center] &gt; Manage Permission Roles &gt; Permission &gt; Metadata Framework, and enable Manage Positions.</td>
</tr>
<tr>
<td></td>
<td>Enable MDF position view permission: Go to [Admin Center] &gt; Manage Permission Roles &gt; Permission &gt; Miscellaneous Permissions &gt; Position, and select the options under visibility.</td>
</tr>
<tr>
<td>User based</td>
<td>Configure the Security of Position entity: Go to [Admin Center] &gt; Configure Object Definition &gt; Object Definition &gt; Position &gt; Take Action &gt; Make Correction, and set:</td>
</tr>
<tr>
<td></td>
<td>● Secured: Yes</td>
</tr>
<tr>
<td></td>
<td>● Permission Category: Miscellaneous Permissions</td>
</tr>
</tbody>
</table>

Table 338: Enable MDF Position Permission

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provisioning</td>
<td>Go to [Provisioning] &gt; Company Settings, and enable the following options:</td>
</tr>
<tr>
<td></td>
<td>● Enable Generic Objects</td>
</tr>
<tr>
<td></td>
<td>● Enable the Attachment Manager</td>
</tr>
<tr>
<td></td>
<td>● Version 12 UI framework (Revolution)</td>
</tr>
<tr>
<td></td>
<td>● New MDF Pool-based Succession Planning (requires v12 UI framework, Generic Object)</td>
</tr>
<tr>
<td>Role based</td>
<td>Enable MDF position view permission: Go to [Admin Center] &gt; Manage Permission Roles &gt; Permission &gt; Miscellaneous Permissions &gt; Talent Pool, and select the options under visibility.</td>
</tr>
<tr>
<td>User based</td>
<td>Configure the Security of Talent Pool entity: Go to [Admin Center] &gt; Configure Object Definition &gt; Object Definition &gt; TalentPool &gt; Take Action &gt; Make Correction, and set:</td>
</tr>
<tr>
<td></td>
<td>● Secured: Yes</td>
</tr>
<tr>
<td></td>
<td>● Permission Category: Miscellaneous Permissions</td>
</tr>
</tbody>
</table>
12.1 Successor

You can use this entity to describe basic information of Successor in succession planning module.

Permissions

For more information on permissions, refer Succession OData Entities [page 389].

Operations Allowed

Table 339:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify Successor. Successor id is an identifier of a successor.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('Your Entity')?$format=json

Use Cases

Table 340: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>https://&lt;hostname&gt;/odata/v2/Position?$format=json&amp;$expand=successorNav</td>
</tr>
<tr>
<td>URI</td>
<td>https://&lt;hostname&gt;/odata/v2/LegacyPositionEntity?$format=json&amp;$expand=successorNav</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>
Response

Sample Code

Query basic information of MDF PositionEntity and its successor list.

```json
{
    "d": {
        "results": [
            {
                "__metadata": {
                    "uri": "https://<hostname>/odata/v2/Position(code='testyingwen',effectiveStartDate=datetime'2015-09-28T00:00:00'),
                    "type": "SFOData.Position"
                },
                "effectiveStartDate": "/Date(1443398400000)/",
                "code": "testyingwen",
                "positionControlled": null,
                "transactionSequence": "1",
                "mdfSystemObjectType": "Position",
                "externalName_pt_BR": null,
                "externalName_pt_PT": null,
                "externalName_ru_RU": null,
                "lastModifiedDateTime": "/Date(1443420790000+0000)/",
                "effectiveStatus": "A",
                "successorNav": {
                    "results": [
                        {
                            "__metadata": {
                                "uri": "https://<hostname>/odata/v2/Successor(1910L)",
                                "type": "SFOData.Successor"
                            },
                            "id": "1910",
                            "rank": 1,
                            "status": "SUCCESION_PENDING_STATUS_LB",
                            "readinessLabel": "Emergency Replacement",
                            "readiness": 4,
                            "note": "yingwen test",
                            "userNav": {
                                "__deferred": {
                                    "uri": "https://<hostname>/odata/v2/Successor(1910L)/userNav"
                                }
                            }
                        }
                    ]
                }
            }
        ]
    }
}
```

HCM Suite OData API
Succession OData Entities

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### Sample Code

Query basic information of LegacyPositionEntity and its successor list.

```json
{
  "d": {
    "results": [
      {
        "__metadata": {
          "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(1L)",
          "type": "SFOData.LegacyPositionEntity"
        },
        "positionId": "1",
        "positionCode": "1",
        "title": "Sr. Manager, Analytics",
        "createDate": "/Date(1189534002000)/",
        "incumbent": "TBH_USER_477",
        "successorNav": {
          "results": []
        },
        "parentNav": {
          "__deferred": {
            "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(1L)/parentNav"
          }
        },
        "incumbentNav": {
          "__deferred": {
            "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(1L)/incumbentNav"
          }
        }
      }
    ]
  }
}
```

### 12.2 TalentGraphicOption

You can use this entity to describe icons and images used in Succession org Chart.

#### Permissions

For more information on permissions, refer Succession OData Entities [page 389].
Operations Allowed

Table 341:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>dataIndex and optionKey are the composite identifiers of TalentGraphicOption.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json

Use Cases

Table 342: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>https://&lt;hostname&gt;/odata/v2/TalentGraphicOption?$format=json</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Response

Sample Code

Query the detail for TalentGraphicOption.

```json
{
  "d": {
    "results": [
      {
        "__metadata": {
          "uri": "https://<hostname>/odata/v2/TalentGraphicOption(dataIndex='1',optionKey='riskOfLoss')",
          "type": "SFOData.TalentGraphicOption"
        },
        "optionKey": "riskOfLoss",
        "dataIndex": "1",
        "optionName": "GradientOption",
        "dataImage": null,
        "optionLabel": "Risk of Loss",
        "optionTarget": null,
        "optionIndex": 1,
        "dataShortLabel": null,
        "dataLabel": "Low",
      }
    ]
  }
}
```
12.3 LegacyPositionEntity

You can use this entity to describe basic information of a Legacy position used in succession planning.

Permissions

For more information on permissions, refer Succession OData Entities [page 389].

Operations Allowed

Table 343:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query to identify legacy position. positionId is the identifier of a legacy position.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json

Use Cases

Table 344: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>https://&lt;hostname&gt;/odata/v2/LegacyPositionEntity?$format=json</td>
</tr>
<tr>
<td>URI</td>
<td>https://&lt;hostname&gt;/odata/v2/LegacyPositionEntity?$format=json&amp;$expand=successorNav</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------------------------------------------</td>
</tr>
<tr>
<td>URI</td>
<td>https://&lt;hostname&gt;/odata/v2/LegacyPositionEntity?$format=json&amp;$expand=incumbentNav</td>
</tr>
<tr>
<td>URI</td>
<td>https://&lt;hostname&gt;/odata/v2/LegacyPositionEntity?$format=json&amp;$expand=talentPoolNav</td>
</tr>
<tr>
<td>URI</td>
<td>https://&lt;hostname&gt;/odata/v2/LegacyPositionEntity?$format=json&amp;$top=1&amp;$expand=parentNav</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

**Response**

**Sample Code**

Query basic information of LegacyPositionEntity.

```json
{
    "d": {
        "results": [
            {
                "__metadata": {
                    "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(1L)",
                    "type": "SFOData.LegacyPositionEntity"
                },
                "positionId": "1",
                "positionCode": "1",
                "title": "Sr. Manager, Analytics",
                "createDate": "/Date(1189534002000)/",
                "incumbent": "TBH_USER_477",
                "successorNav": {
                    "__deferred": {
                        "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(1L)/successorNav"
                    }
                },
                "parentNav": {
                    "__deferred": {
                        "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(1L)/parentNav"
                    }
                },
                "incumbentNav": {
                    "__deferred": {
                        "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(1L)/incumbentNav"
                    }
                }
            }
        ]
    }
}
```
Query basic information of LegacyPositionEntity and its successor list.

```json
{
  "d": {
    "results": [
      {
        "__metadata": {
          "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(1L)",
          "type": "SFOData.LegacyPositionEntity"
        },
        "positionId": "1",
        "positionCode": "1",
        "title": "Sr. Manager, Analytics",
        "createDate": "/Date(1189534002000)/",
        "incumbent": "TBH_USER_477",
        "successorNav": [
          {
            "results": []
          }
        ],
        "parentNav": {
          "__deferred": {
            "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(1L)/parentNav"
          }
        },
        "incumbentNav": {
          "__deferred": {
            "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(1L)/incumbentNav"
          }
        }
      }
    ]
  }
}
```

Query basic information of LegacyPositionEntity and its incumbent.

```json
{
  "d": {
    "results": [
      {
        "__metadata": {
          "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(1L)",
          "type": "SFOData.LegacyPositionEntity"
        },
        "positionId": "1",
        "positionCode": "1",
        "title": "Sr. Manager, Analytics",
        "createDate": "/Date(1189534002000)/",
        "incumbent": "TBH_USER_477",
        "successorNav": {
          "__deferred": {
            "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(1L)/successorNav"
          }
        },
        "parentNav": {
          "__deferred": {
            "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(1L)/parentNav"
          }
        }
      }
    ]
  }
}
```
Sample Code

Query the record in the list of LegacyPositionEntity and its talent pool.

```json
{
    "d":{
        "__metadata":{
            "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(4L)",
            "type": "SFOData.LegacyPositionEntity"
        },
        "positionId": "4",
        "positionCode": "4",
        "title": null,
        "createDate": "/Date(1189534002000)/",
        "incumbent": "admin",
        "successorNav":{
            "__deferred": {
                "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(4L)/successorNav"
            },
            "parentNav":{
                "__deferred": {
                    "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(4L)/parentNav"
                },
                "incumbentNav":{
                    "__deferred": {
                        "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(4L)/incumbentNav"
                    },
                    "talentPoolNav":{
                        "results": []
                    }
                }
            }
        }
    }
}
```

Sample Code

Query basic information of LegacyPositionEntity and its parent position.

```json
{
    "d":{
        "results": [
            {
                "__metadata": {
                    "uri": "https://<hostname>/odata/v2/LegacyPositionEntity(1L)",
                    "type": "SFOData.LegacyPositionEntity"
                },
                "positionId": "1",
```
### 12.4 TalentPool

You can use this entity to describe basic information of Talent Pool.

#### Permissions

For more information on permissions, refer to [Succession OData Entities][389].

#### Operations Allowed

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query basic information of Talent Pool. Code and effectiveStartDate are the composite identifiers of a TalentPool.</td>
</tr>
</tbody>
</table>

---

---
Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query: https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json

Use Cases

Table 346: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>https://&lt;hostname&gt;/odata/v2/TalentPool? $format=json&amp;$expand=nominationNav</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

Response

Sample Code

Query basic information of TalentPool and its Nomination Target details.

```json
{  "d": {  "results": [  {    "__metadata": {     "uri": "https://<hostname>/odata/v2/restricted/TalentPool(code='product manager',effectiveStartDate=datetime'2015-09-09T00:00:00')",     "type": "SFOData.TalentPool"   },    "effectiveStartDate": "/Date(1441756800000)/",    "code": "product manager",    "name_ko_KR": null,    "mdfSystemLastModifiedDate": "/Date(1445586985000)/",    "transactionSequence": "1",    "mdfSystemObjectType": "TalentPool",    "name_iw_IL": null,    "ownerNav": {     "__deferred": {     "uri": "https://<hostname>/odata/v2/restricted/TalentPool(code='product manager',effectiveStartDate=datetime'2015-09-09T00:00:00')/ownerNav"    }   },    "nominationNav": {     "results": [     {      "__metadata": {      "uri": "https://<hostname>/odata/v2/restricted/NominationTarget(880L)"    }   }  ]}
```
12.5 NominationTarget

You can use this entity to describe basic information of nomination in succession planning module.

Permissions

For more information on permissions, refer Succession OData Entities [page 389].

Operations Allowed

Table 347:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query basic information of nomination target. nominationId is an identifier of a NominationTarget.</td>
</tr>
</tbody>
</table>

Properties

You can get detailed information about the entity properties from the OData API dictionary or by exposing the entity metadata. To do this, use the following query [page 389]:

```plaintext
https://<hostname>/odata/v2/Entity('<Your Entity')?$format=json
```
## Use Cases

Table 348: Request Information

<table>
<thead>
<tr>
<th>Operation</th>
<th>GET</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI</td>
<td>https://&lt;hostname&gt;/odata/v2/NominationTarget?$format=json</td>
</tr>
<tr>
<td>URI</td>
<td>https://&lt;hostname&gt;/odata/v2/NominationTarget?$format=json&amp;$filter=nominationType eq '1'&amp;$expand=successorNav</td>
</tr>
<tr>
<td>URI</td>
<td>https://&lt;hostname&gt;/odata/v2/NominationTarget?$format=json&amp;$filter=nominationType eq '6'&amp;$expand=talentPoolNav</td>
</tr>
<tr>
<td>URI</td>
<td>https://&lt;hostname&gt;/odata/v2/NominationTarget?$format=json&amp;$filter=nominationType eq '1'&amp;$expand=legacyPositionNav</td>
</tr>
<tr>
<td>URI</td>
<td><a href="https://sfapiqacand.sflab.ondemand.com/odata/v2/restricted/NominationTarget?$format=json&amp;$filter=nominationType">https://sfapiqacand.sflab.ondemand.com/odata/v2/restricted/NominationTarget?$format=json&amp;$filter=nominationType</a> eq '5'&amp;$expand=positionNav</td>
</tr>
<tr>
<td>Headers</td>
<td>Authorization: Basic &lt;Base 64 encoded (&quot;user@company:password&quot;)&gt;</td>
</tr>
</tbody>
</table>

## Response

⚠️ Sample Code

Query basic information of NominationTarget.

```json
{
  "d": {
    "results": [
      {
        "__metadata": {
          "uri": "https://<hostname>/odata/v2/restricted/NominationTarget(183L)",
          "type": "SFOData.NominationTarget"
        },
        "nominationId": "183",
        "nominationType": 1,
        "successorNav": {
          "__deferred": {
            "uri": "https://<hostname>/odata/v2/restricted/NominationTarget(183L)/successorNav"
          }
        },
        "legacyPositionNav": {
          "__deferred": {
```
```
Query basic information of NominationTarget and its successor list.

```json
{
    "d": {
        "results": [
            {
                "__metadata": {
                    "uri": "https://<hostname>/odata/v2/restricted/NominationTarget(183L)",
                    "type": "SFOData.NominationTarget"
                },
                "nominationId": "183",
                "nominationType": 1,
                "successorNav": {
                    "results": [
                        {
                            "__metadata": {
                                "uri": "https://<hostname>/odata/v2/restricted/Successor(314L)",
                                "type": "SFOData.Successor"
                            },
                            "id": "314",
                            "rank": null,
                            "status": "SUCCESSION_REMOVED_STATUS_LB",
                            "readinessLabel": "Ready Now",
                            "readiness": 3,
                            "note": null,
                            "userNav": {
                                "__deferred": {
                                    "uri": "https://<hostname>/odata/v2/restricted/Successor(314L)/userNav"
                                }
                            },
                            "legacyPositionNav": {
                                "__deferred": {
                                    "uri": "https://<hostname>/odata/v2/restricted/NominationTarget(183L)/legacyPositionNav"
                                }
                            }
                        }
                    ]
                },
                "legacyPositionNav": {
                    "__deferred": {
                        "uri": "https://<hostname>/odata/v2/restricted/NominationTarget(183L)/legacyPositionNav"
                    }
                }
            }
        ]
    }
}
```

Sample Code

Query basic information of NominationTarget whose nominationType is ‘6’ and its talent pool detail.

```json
{
    "d": {
        "results": [
            {
                "__metadata": {
                    "uri": "https://<hostname>/odata/v2/restricted/NominationTarget(183L)/legacyPositionNav"
                },
                "nominationId": "183",
                "nominationType": 6,
                "successorNav": {
                    "results": [
                        {
                            "__metadata": {
                                "uri": "https://<hostname>/odata/v2/restricted/Successor(314L)/userNav"
                            },
                            "id": "314",
                            "rank": null,
                            "status": "SUCCESSION_REMOVED_STATUS_LB",
                            "readinessLabel": "Ready Now",
                            "readiness": 3,
                            "note": null,
                            "userNav": {
                                "__deferred": {
                                    "uri": "https://<hostname>/odata/v2/restricted/Successor(314L)/userNav"
                                }
                            },
                            "legacyPositionNav": {
                                "__deferred": {
                                    "uri": "https://<hostname>/odata/v2/restricted/NominationTarget(183L)/legacyPositionNav"
                                }
                            }
                        }
                    ]
                },
                "legacyPositionNav": {
                    "__deferred": {
                        "uri": "https://<hostname>/odata/v2/restricted/NominationTarget(183L)/legacyPositionNav"
                    }
                }
            }
        ]
    }
}
```
Sample Code

Query basic information of NominationTarget whose nominationType is '5' and its mdf position detail.

```json
{
  "d": {
    "results": [
      {
        "__metadata": {
          "uri": "https://<hostname>/odata/v2/restricted/NominationTarget(1000L)",
          "type": "SFOData.NominationTarget"
        },
        "nominationId": "1000",
        "ownerNav": {
          "__deferred": {
            "uri": "https://<hostname>/odata/v2/restricted/TalentPool(code='product manager',effectiveStartDateTime=datetime'2015-09-09T00:00:00')/ownerNav"
          }
        },
        "nominationNav": {
          "__deferred": {
            "uri": "https://<hostname>/odata/v2/restricted/TalentPool(code='product manager',effectiveStartDateTime=datetime'2015-09-09T00:00:00')/nominationNav"
          }
        }
      }
    ]
  }
}
```
"nominationType": 5,
"successorNav": {
"__deferred": {
"__metadata": {
"uri": "https://<hostname>/odata/v2/restricted/
NominationTarget(1000L)/successorNav"
}
},
"positionNav": {
"__metadata": {
"uri": "https://<hostname>/odata/v2/restricted/
Position(code='testyingwen',effectiveStartDate=datetime'2015-09-28T00:00:00')",
"type": "SFOData.Position"
},
"effectiveStartDate": "/Date(1443398400000)/",
"code": "testyingwen",
"positionControlled": null,
"transactionSequence": "1",
"mdfSystemObjectType": "Position",
"externalName_pt_BR": null,
"externalName_pt_PT": null,
"externalName_ru_RU": null,
"effectiveStatus": "A",
"lastModifiedDate": "/Date(1443420790000+0000)/",
"type": null,
"effectiveEndDateTime": "/Date(1443420790000+0000)/",
"externalName_bs_BS": null,
"vacant": false,
"mdfSystemRecordId": "E723664B615249F28AC3141DD1BC7358",
"mdfSystemEntityId": "0A529E99DA6B41C6912F02626DD2712",
"description": "testyingwen",
"technicalParameters": null,
"externalName_en_US": null,
"createdDate": "/Date(1443420790000)/",
"mdfSystemRecordStatus": "N",
"jobLevel": null,
"regularTemporary": null,
"multipleIncumbentsAllowed": null,
"createdBy": "cgrant1",
"externalName_it_IT": null,
"externalName_bs_ID": null,
"createdDateTime": "/Date(1443420790000+0000)/",
"lastModifiedBy": "cgrant1",
"externalName_en_GB": null,
"jobCode": null,
"externalName_nl_NL": null,
"comment": "testyingwen",
"externalName_zh_CN": null,
"externalName_en_DEBUG": null,
"externalName_ko_KR": null,
"mdfSystemVersionId": null,
"externalName_de_DE": null,
"externalName_defaultValue": null,
"externalName_da_DK": null,
"criticality": "2",
"employeeClass": null,
"externalName_hi_IN": null,
"externalName_zh_TW": null,
"lastModifiedDateWithTZ": "/Date(1443420790000+0000)/",
"externalName JA_JP": null,
"standardHours": null,
"jobTitle": "testyingwen",
"externalName iw_IL": null,
"externalName_bq_BG": null,
"externalName_vi_VN": null,
"legacyPositionId": null,
"externalName_pl_PL": null,
"externalName uk_UA": null,
13 Recruiting

13.1 Job Application Entities

13.1.1 JobApplication

The job application entity contains core application data consisting of system, standard and custom fields. The
metadata shows the standard and custom fields configured in all the active templates. If a field (standard or
custom) is not configured in any of the active template, then it does not show up in the metadata and is not a part
of OData query. The system and calculated field always show up.

Note
1. The entity cannot be filtered or sorted by these non-reportable custom fields. Reportable custom fields
should be available within the entity and the entity can be sorted/filtered using the reportable custom fields.
2. If the same field (custom or standard) has been configured as different types (say text in one and picklist in
another) in separate application templates, then the field shows up as String in the metadata. In this case,
OData query will return the Option Id for the picklist field of the job requisition which was created using the
template having the field configured as picklist.
3. If 2 custom fields with same field Id are defined in 2 different templates– then the metadata shows: - One
field in the metadata if the default label and field type are the same - One field in the metadata with 2 labels
(comma separated) if the default labels are different
4. The system fields will always show up in the metadata irrespective of the template definition.
5. As of 1511 release the Batch operation is supported.
6. Applications can be created for both Internal and External Candidates.

Required Provisioning Settings

Company Settings ➔ Web Services ➔ Disable OData API ➔ Please confirm this setting is NOT checked. OData
APIs will be available by default – you will have to request them to be disabled.
Permissions

Table 349:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Recruiting Permissions</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions</td>
</tr>
<tr>
<td>User-based</td>
<td>Recruiting Permissions</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 350:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Standard OData call to query the entity</td>
</tr>
<tr>
<td>POST</td>
<td>Update or insert operation for the Job Application entity is supported in 1511 release</td>
</tr>
</tbody>
</table>

Properties

Note

For this entity, non-reportable custom fields are stored as CLOB data. The field, customField in the entity represents non-reportable custom fields in key and value pairs. This entity cannot be filtered or sorted by these non-reportable custom fields. Reportable custom fields should be available within the entity and the entity can be sorted/filtered using the reportable custom fields.

Standard and custom fields will show up based on the template definitions. Please refer to OData API Data Dictionary for the latest information on the entities.

Table 351:

<table>
<thead>
<tr>
<th>Sample Fields</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>address</td>
<td>Address</td>
</tr>
<tr>
<td>agencyInfo</td>
<td>Agency Information</td>
</tr>
<tr>
<td>anonymizedDate</td>
<td>Application Anonymized Date</td>
</tr>
<tr>
<td>anonymizedFlag</td>
<td>Anonymized Flag</td>
</tr>
<tr>
<td>Sample Fields</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>appLocale</td>
<td>Application Locale</td>
</tr>
<tr>
<td>applicationDate</td>
<td>Application Date</td>
</tr>
<tr>
<td>applicationId</td>
<td>Application Id</td>
</tr>
<tr>
<td>applicationTemplateId</td>
<td>Application Template Id</td>
</tr>
<tr>
<td>backgroundChkStatus</td>
<td>Background Check Status</td>
</tr>
<tr>
<td>candConversionProcessed</td>
<td>Candidate Conversion Processed</td>
</tr>
<tr>
<td>candidateId</td>
<td>Candidate Id</td>
</tr>
<tr>
<td>candidateReviewDate</td>
<td>Candidate Review Date</td>
</tr>
<tr>
<td>cellPhone</td>
<td>Cell Phone</td>
</tr>
<tr>
<td>city</td>
<td>City</td>
</tr>
<tr>
<td>comments</td>
<td>Comments</td>
</tr>
<tr>
<td>countryCode</td>
<td>Country Code</td>
</tr>
<tr>
<td>currentCompany</td>
<td>Current Company</td>
</tr>
<tr>
<td>currentTitle</td>
<td>Current Title</td>
</tr>
<tr>
<td>customFields</td>
<td>Custom Fields (Represents non-reportable custom fields in key and value pairs)</td>
</tr>
<tr>
<td>customStatus</td>
<td>Custom Status</td>
</tr>
<tr>
<td>dateOfAvailability</td>
<td>Date of Availability</td>
</tr>
<tr>
<td>disabilityStatus</td>
<td>Disability Status</td>
</tr>
<tr>
<td>duplicateProfile</td>
<td>Duplicate Profile</td>
</tr>
<tr>
<td>emailAddress</td>
<td>Email Address</td>
</tr>
<tr>
<td>ethnicity</td>
<td>Ethnicity</td>
</tr>
<tr>
<td>exportedOn</td>
<td>Exported On</td>
</tr>
<tr>
<td>faxNumber</td>
<td>Fax Number</td>
</tr>
<tr>
<td>firstName</td>
<td>First Name</td>
</tr>
<tr>
<td>formerEmployee</td>
<td>Former Employee</td>
</tr>
<tr>
<td>gender</td>
<td>Gender</td>
</tr>
<tr>
<td>hiredOn</td>
<td>Hired On</td>
</tr>
<tr>
<td>homePhone</td>
<td>Home Phone</td>
</tr>
<tr>
<td>jobReqId</td>
<td>Job Requisition Id</td>
</tr>
<tr>
<td>lastModifiedBy</td>
<td>Last Modified By</td>
</tr>
<tr>
<td>lastModifiedByProxy</td>
<td>Last Modified By Proxy</td>
</tr>
<tr>
<td>lastname</td>
<td>Last Name</td>
</tr>
<tr>
<td>mainContact</td>
<td>mainContact</td>
</tr>
<tr>
<td>middleName</td>
<td>Middle Name</td>
</tr>
<tr>
<td>Sample Fields</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>minAnnualSal</td>
<td>Minimum Annual Salary</td>
</tr>
<tr>
<td>owner</td>
<td>Owner</td>
</tr>
<tr>
<td>ownershipDate</td>
<td>Ownership Date</td>
</tr>
<tr>
<td>preferredLoc</td>
<td>Preferred Location</td>
</tr>
<tr>
<td>profileUpdated</td>
<td>Profile Updated</td>
</tr>
<tr>
<td>questionResponse</td>
<td>Question Response (comma separated keys and values)</td>
</tr>
<tr>
<td>race</td>
<td>Race</td>
</tr>
<tr>
<td>rating</td>
<td>Rating</td>
</tr>
<tr>
<td>reference</td>
<td>Reference</td>
</tr>
<tr>
<td>referenceComments</td>
<td>Reference Comments</td>
</tr>
<tr>
<td>referralSource</td>
<td>Referral Source</td>
</tr>
<tr>
<td>referredBy</td>
<td>Referred By</td>
</tr>
<tr>
<td>resumeUploadDate</td>
<td>Resume Upload Date</td>
</tr>
<tr>
<td>snapShotDate</td>
<td>SnapShot Date</td>
</tr>
<tr>
<td>source</td>
<td>Source</td>
</tr>
<tr>
<td>startDate</td>
<td>Start Date</td>
</tr>
<tr>
<td>statusComments</td>
<td>Status Comments</td>
</tr>
<tr>
<td>timeToHire</td>
<td>Time To Hire</td>
</tr>
<tr>
<td>veteranStatus</td>
<td>Veteran Status</td>
</tr>
<tr>
<td>zip</td>
<td>Zip</td>
</tr>
<tr>
<td>appStatusSetItem</td>
<td>App Status Set Item</td>
</tr>
<tr>
<td>dob</td>
<td>Date of Birth</td>
</tr>
<tr>
<td>ssn</td>
<td>Social Security Number</td>
</tr>
<tr>
<td>dataSource</td>
<td>Data Source</td>
</tr>
<tr>
<td>nonApplicantStatus</td>
<td>Non Applicant Status</td>
</tr>
<tr>
<td>candTypeWhenHired</td>
<td>Candidate Type When Hired</td>
</tr>
<tr>
<td>jobAppGUID</td>
<td>Application GU Id</td>
</tr>
<tr>
<td>lastModified</td>
<td>Last Modified Date</td>
</tr>
<tr>
<td>userSysId</td>
<td>User Id</td>
</tr>
</tbody>
</table>
Navigation Properties

Table 352:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>candidateSource</td>
<td>PicklistOption</td>
<td>Candidate Source</td>
</tr>
<tr>
<td>cityPicklist</td>
<td>PicklistOption</td>
<td>City Picklist</td>
</tr>
<tr>
<td>countryPicklist</td>
<td>PicklistOption</td>
<td>Country Picklist</td>
</tr>
<tr>
<td>coverLetter</td>
<td>Attachment</td>
<td>Cover Letter</td>
</tr>
<tr>
<td>jobAppStatus</td>
<td>JobApplicationStatus</td>
<td>Job Application Status</td>
</tr>
<tr>
<td>jobApplicationComments</td>
<td>JobApplicationComments</td>
<td>Job Application Comments</td>
</tr>
<tr>
<td>jobApplicationResume</td>
<td>Attachment</td>
<td>Job Application Resume</td>
</tr>
<tr>
<td>multiAttachmentSelection</td>
<td>Attachment</td>
<td>Multi Attachment Selection</td>
</tr>
<tr>
<td>statePicklist</td>
<td>Picklist Option</td>
<td>State Picklist</td>
</tr>
</tbody>
</table>

Use Cases

[If necessary, add any supplementary information about the use cases here]

Table 353:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>../odata/v2/JobApplication('12333')</td>
<td>Get the application where applicationId is 12333</td>
</tr>
<tr>
<td>../odata/v2/JobApplication('12333')?$expand=multiAttachmentSelection</td>
<td>Get the application along with the attachments where applicationId is 12333</td>
</tr>
<tr>
<td>../odata/v2/JobApplicationStatus?$filter=appStatusName eq 'Interview'&amp;$expand=jobApplications]</td>
<td>Get all the applications in 'Interview' status</td>
</tr>
<tr>
<td>../odata/v2/JobApplication?$filter=cellPhone eq '650 645 2000'&amp;$top=2</td>
<td>Get the top 2 applications with cellphone 650 645 2000</td>
</tr>
</tbody>
</table>
**API Call**

```plaintext
../odata/v2/JobApplication
{
  "relativesEmployed": ["id": "381"],
  "convicted": ["id": "380"],
  "candidateSource": ["id": "1515"],
  "candidateId": "901",
  "homePhone": "00004",
  "jobReqId": "621",
  "applicationTemplateId": "792",
  "appStatusSetItemId": "21",
  "firstName": "José",
  "lastName": "Mourinho",
  "resume": {
    "__metadata": {
      "type": "SFOData.Attachment"
    },
    "userId": "admin",
    "module": "RECRUITING",
    "moduleCategory": "ATTACHMENTS",
    "fileContent": "XXXXXXXXXXXXX",
    "fileName": "Attach2.doc"
  };
};
```

**Description**

(POST) Inserts a application from candidateId 901 along with a resume for jobReqId 621
### Sample Code

```json
../odata/v2/JobApplication
{
"candidateId": "1001",
"jobReqId": "1022",
"applicationTemplateId": "792",
"appStatusSetItemId": "21",
"ssn": null,
"cellPhone": "000005",
"homePhone": "0001",
"city": "test Map",
"middleName": "test Map",
"lastName": "test Map",
"referenceComments": "test Map",
"status": "0",
"countryCode": "BR",
"relativesRelationship": "test Map",
"dateOfBirth": "/Date(1440509843000+0000)/",
"referralName": "test Map",
"noticePeriod": "test Map",
"questionResponse": "[]",
"referredBy": "test Map",
"agencyInfo": "test Map",
"faxNumber": "01",
"relativesDept": "test Map",
"convictedYes": "Yes",
"statusComments": "test Map",
"firstName": "test Map",
"zip": null,
"contactEmail": "testMap8@asdsa.com",
"nonApplicantStatus": "0",
"reference": "test Map",
"source": "1",
"address": "test Map",
"formerEmployee": false,
"rating": "0",
"candidateSource": { "id": "1516"},
"convicted": { "id": "381"},
"relativesEmployed": { "id": "381"},
"resume":{
  "__metadata":{
    "type":"SFOData.Attachment"
  },
  "userId":"admin",
  "module":"RECRUITING",
  "moduleCategory":"RESUME",
  "fileContent":"XXXXXXAAAAA",
  "fileName":"TesteResume.doc"
}
}
```

(POST) Inserts an application updating Candidate information.

### API Call

- **/odata/v2/fwdCandidateToColleague?candidateId=11441&referredTo=adminSAP** (GET) Forward to colleague
### Sample Code

```javascript
../odata/v2/Upset
[{
  "__metadata":{
    "type":"SFOData.JobApplication",
    "uri":"JobApplication"
  },
  "candidateId": "1001",
  "jobReqId": "902",
  "applicationTemplateId": "792",
  "appStatusSetItemID": "21",
  "status": "0",
  "countryCode": "BR",
  "questionResponse": 
  "faxNumber": "01",
  "convictedYes": "Yes",
  "zip": null,
  "nonApplicantStatus": "0",
  "source": "1",
  "rating": "0",
  "candidateSource": { "id": "1516"},
  "convicted": { "id": "381"},
  "relativesEmployed": { "id": "381"}
},
{
  "__metadata":{
    "type":"SFOData.JobApplication",
    "uri":"JobApplication"
  },
  "candidateId": "1001",
  "jobReqId": "901",
  "applicationTemplateId": "792",
  "appStatusSetItemID": "21",
  "status": "0",
  "countryCode": "BR",
  "questionResponse": 
  "faxNumber": "01",
  "convictedYes": "Yes",
  "zip": null,
  "nonApplicantStatus": "0",
  "source": "1",
  "rating": "0",
  "candidateSource": { "id": "1516"},
  "convicted": { "id": "381"},
  "relativesEmployed": { "id": "381"}
}]
```

(POST) Batch insert operation to add two new applications.
<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>../odata/v2/Upsert</code></td>
<td>(POST) Batch updating two application Ids 583 and 584.</td>
</tr>
</tbody>
</table>

```json
../../../odata/v2/Upsert
[
  {
    "__metadata": {
      "type": "SFOData.JobApplication",
      "uri": "JobApplication(583)"
    },
    "candidateId": "1001",
    "jobReqId": "902",
    "applicationTemplateId": "792",
    "appStatusSetItemId": "21",
    "status": "0",
    "countryCode": "BR",
    "questionResponse": "[]",
    "faxNumber": "01",
    "convictedYes": "Yes",
    "zip": null,
    "nonApplicantStatus": "0",
    "source": "1",
    "rating": "0",
    "candidateSource": { "id": "1516" },
    "convicted": { "id": "381" },
    "relativesEmployed": { "id": "381" }
  },
  {
    "__metadata": {
      "type": "SFOData.JobApplication",
      "uri": "JobApplication(584)"
    },
    "candidateId": "1001",
    "jobReqId": "901",
    "applicationTemplateId": "792",
    "appStatusSetItemId": "21",
    "status": "0",
    "countryCode": "BR",
    "questionResponse": "[]",
    "faxNumber": "01",
    "convictedYes": "Yes",
    "zip": null,
    "nonApplicantStatus": "0",
    "source": "1",
    "rating": "0",
    "candidateSource": { "id": "1516" },
    "convicted": { "id": "381" },
    "relativesEmployed": { "id": "381" }
  }
]```
Error Codes

Table 354:

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permission not enabled</td>
<td>Recruiting OData API is not enabled in provisioning.</td>
</tr>
<tr>
<td>Edit permission not enabled</td>
<td>OData API Application &lt;editType&gt; permission in Admin Center is not enabled.</td>
</tr>
<tr>
<td>Field required</td>
<td>&lt;field&gt; required.</td>
</tr>
<tr>
<td>Field invalid</td>
<td>&lt;field&gt; invalid.</td>
</tr>
<tr>
<td>Invalid number</td>
<td>&lt;field&gt; has a invalid number format</td>
</tr>
<tr>
<td>Invalid date</td>
<td>&lt;field&gt; has a invalid date format</td>
</tr>
<tr>
<td>Invalid boolean</td>
<td>&lt;field&gt; has a invalid Boolean format</td>
</tr>
<tr>
<td>Invalid template</td>
<td>Template Id &lt;templateId&gt; is invalid or inactive</td>
</tr>
<tr>
<td>SCA error</td>
<td>Unable to insert application due to a SCA Error.</td>
</tr>
<tr>
<td>Forward failed</td>
<td>Forward failed.</td>
</tr>
<tr>
<td>Upsert failed</td>
<td>Application upsert failed : &lt;error&gt;</td>
</tr>
<tr>
<td>Database batch error</td>
<td>Database error when executing application batch operations.</td>
</tr>
<tr>
<td>Unexpected batch error</td>
<td>Unexpected error occurred when executing application batch operations.</td>
</tr>
<tr>
<td>Override error</td>
<td>Override not allowed for Candidate Id = &lt;candidateId&gt; and job requisition = &lt;jobReqId&gt;</td>
</tr>
<tr>
<td>Error updating candidates</td>
<td>Error updating candidates for job application batch operation</td>
</tr>
<tr>
<td>Error inserting batch</td>
<td>Failed to batch insert applications</td>
</tr>
<tr>
<td>Error updating batch</td>
<td>Failed to batch update applications</td>
</tr>
</tbody>
</table>

Entity Metadata

```xml
<EntityType Name="JobApplication">
  <Key>
    <PropertyRef Name="applicationId"/>
  </Key>
  <Property Name="address" Type="Edm.String" sf:Filterable="true" sf:Sortable="false" sf:Selectable="true" sf:Upsertable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="true">```
```xml
<Property Name="candTypeWhenHired" Type="Edm.String" sf:Filterable="false" sf:Sortable="false" sf:Selectable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="true">
  <Annotation Term="label">
    <String>Candidate Type When Hired</String>
  </Annotation>
</Property>

<Property Name="candidateId" Type="Edm.Int64" sf:Filterable="true" sf:Sortable="false" sf:Selectable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="false">
  <Annotation Term="label">
    <String>Candidate Id</String>
  </Annotation>
</Property>

<Property Name="candidateReviewDate" Type="Edm.DateTime" sf:Filterable="true" sf:Sortable="false" sf:Selectable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="true">
  <Annotation Term="label">
    <String>Candidate Review Date</String>
  </Annotation>
</Property>

<Property Name="cellPhone" Type="Edm.String" sf:Filterable="true" sf:Sortable="false" sf:Selectable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="true">
  <Annotation Term="label">
    <String>Cell Phone</String>
  </Annotation>
</Property>

<Property Name="city" Type="Edm.String" sf:Filterable="true" sf:Sortable="false" sf:Selectable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="true">
  <Annotation Term="label">
    <String>City</String>
  </Annotation>
</Property>

<Property Name="countryCode" Type="Edm.String" sf:Filterable="true" sf:Sortable="false" sf:Selectable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="true">
  <Annotation Term="label">
    <String>Country Code</String>
  </Annotation>
</Property>

<Property Name="currentCompany" Type="Edm.String" sf:Filterable="true" sf:Sortable="false" sf:Selectable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="true">
  <Annotation Term="label">
    <String>Current Company</String>
  </Annotation>
</Property>

<Property Name="currentTitle" Type="Edm.String" sf:Filterable="true" sf:Sortable="false" sf:Selectable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="true">
  <Annotation Term="label">
    <String>Current Title</String>
  </Annotation>
</Property>

<Property Name="customFields" Type="Edm.String" sf:Filterable="false" sf:Sortable="false" sf:Selectable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="true">
  <Annotation Term="label">
    <String>Custom Fields</String>
  </Annotation>
</Property>

<Property Name="customStatus" Type="Edm.Int64" sf:Filterable="true" sf:Sortable="false" sf:Selectable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="true">
  <Annotation Term="label">
    <String>Custom Status</String>
  </Annotation>
</Property>
<Annotation Term="label"/>
  <String>Social Security Number</String>
</Annotation>
</Property>
</Property>
layın Property Name="state" Type="Edm.String" sf:Filterable="false" sf:Sortable="false" sf:Selectable="true" sf:Upsertable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="true">
  <Annotation Term="label"/>
  <String>State</String>
</Annotation>
</Property>
</Property>
</Property>
</Property>
</Property>
</Property>
</Property>
</Property>
</Property>
寅ляин Property Name="zip" Type="Edm.String" sf:Filterable="true" sf:Sortable="false" sf:Selectable="true" sf:Upsertable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="true">
  <Annotation Term="label"/>
  <String>Zip</String>
</Annotation>
</Property>
</Property>
寅ляин Property Term="label">
  <String>JobApplication</String>
</Annotation>
</Property>
</entityType>
13.1.2 JobApplicationComments

This entity represents the comments entered for the job application.

Required Provisioning Settings

*Company Settings ➔ Web Services ➔ Disable OData API ➔* Please confirm this setting is NOT checked. OData APIs will be available by default – you will have to request them to be disabled.

Permissions

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Recruiting Permissions ➔ OData API Application Export ➔ Recruiting Permissions ➔ OData API Application Create ➔ Recruiting Permissions ➔ OData API Application Update ➔</td>
</tr>
<tr>
<td>User-based</td>
<td>Recruiting Permissions ➔ OData API Application Export ➔ Recruiting Permissions ➔ OData API Application Create ➔ Recruiting Permissions ➔ OData API Application Update ➔</td>
</tr>
</tbody>
</table>

Operations Allowed

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Standard OData call to query the entity</td>
</tr>
<tr>
<td>POST</td>
<td>Update or insert operation for the JobApplicationComments entity is supported in 1511 release</td>
</tr>
</tbody>
</table>

Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>associatedCommentId</td>
<td>Associated Comment Id</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>associatedId</td>
<td>Associated Id</td>
</tr>
<tr>
<td>commentId</td>
<td>Comment Id</td>
</tr>
<tr>
<td>commentator</td>
<td>Commentator</td>
</tr>
<tr>
<td>content</td>
<td>Content</td>
</tr>
<tr>
<td>hasAssociatedComment</td>
<td>Has Associated Comment</td>
</tr>
<tr>
<td>migratedCommentatorUserName</td>
<td>Migrated Commentator User Name</td>
</tr>
<tr>
<td>refId</td>
<td>Reference Id</td>
</tr>
<tr>
<td>refType</td>
<td>Reference Type</td>
</tr>
</tbody>
</table>

**Navigation Properties**

Table 358:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>jobApplication</td>
<td>JobApplication</td>
<td>Application</td>
</tr>
</tbody>
</table>

**Entity Metadata**

```xml
<EntityType Name="JobApplicationComments">
  <Key>
    <PropertyRef Name="commentId"/>
  </Key>

  <Property Name="associatedCommentId" Type="Edm.Int64" sf:Filterable="false" sf:Sortable="false" sf:Selectable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="true">
    <Annotation Term="label">
      <String>Associated Comment Id</String>
    </Annotation>
  </Property>

  <Property Name="associatedId" Type="Edm.String" sf:Filterable="false" sf:Sortable="false" sf:Selectable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="true">
    <Annotation Term="label">
      <String>Associated Id</String>
    </Annotation>
  </Property>

  <Property Name="commentId" Type="Edm.Int64" sf:Filterable="false" sf:Sortable="false" sf:Selectable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="false">
    <Annotation Term="label">
      <String>Comment Id</String>
    </Annotation>
  </Property>

  <Property Name="commentator" Type="Edm.String" sf:Filterable="false" sf:Sortable="false" sf:Selectable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="false">
    <Annotation Term="label">
      <String>Commentator</String>
    </Annotation>
  </Property>
</EntityType>
```
13.1.3 JobApplicationStatus

This entity represents the job application status.

Required Provisioning Settings

- **Company Settings** > **Web Services** > **Disable OData API** > Please confirm this setting is NOT checked. OData APIs will be available by default – you will have to request them to be disabled.
Permissions

Table 359:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td></td>
</tr>
<tr>
<td>Recruiting</td>
<td>OData API Application Export</td>
</tr>
<tr>
<td>Recruiting</td>
<td>OData API Application Create</td>
</tr>
<tr>
<td>Recruiting</td>
<td>OData API Application Update</td>
</tr>
<tr>
<td>User-based</td>
<td></td>
</tr>
<tr>
<td>Recruiting</td>
<td>OData API Application Export</td>
</tr>
<tr>
<td>Recruiting</td>
<td>OData API Application Create</td>
</tr>
<tr>
<td>Recruiting</td>
<td>OData API Application Update</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 360:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Standard OData call to query the entity</td>
</tr>
<tr>
<td>POST</td>
<td>Update or insert operation for the JobApplicationStatus entity is supported in 1511 release</td>
</tr>
</tbody>
</table>

Properties

Table 361:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>appStatusSetId</td>
<td>Application Status Set Id</td>
</tr>
<tr>
<td>appStatusName</td>
<td>Application Status Name</td>
</tr>
<tr>
<td>appStatusId</td>
<td>Application Status Id</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 362:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>jobAppStatusLabel</td>
<td>JobAppStatusLabel</td>
<td>Job Application Status Label</td>
</tr>
<tr>
<td>jobApplication</td>
<td>JobApplication</td>
<td>Application</td>
</tr>
</tbody>
</table>
13.1.4 JobApplicationStatusLabel

This entity represents the job application status labels in different supported languages (for internationization).

Required Provisioning Settings

├── Company Settings  └── Web Services  └── Disable OData API
Please confirm this setting is NOT checked. OData APIs will be available by default – you will have to request them to be disabled.
Permissions

Table 363:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Recruiting Permissions  OData API Application Export</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions  OData API Application Create</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions  OData API Application Update</td>
</tr>
<tr>
<td>User-based</td>
<td>Recruiting Permissions  OData API Application Export</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions  OData API Application Create</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions  OData API Application Update</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 364:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Standard OData call to query the entity</td>
</tr>
<tr>
<td>POST</td>
<td>Update or insert operation for the JobApplicationStatusLabel entity is supported in 1511 release</td>
</tr>
</tbody>
</table>

Properties

Table 365:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>locale</td>
<td>Locale</td>
</tr>
<tr>
<td>statusLabel</td>
<td>Application Status Label</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 366:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>appStatus</td>
<td>JobAppStatus</td>
<td>Job Application Status</td>
</tr>
</tbody>
</table>
### Entity Metadata

```xml
<EntityType Name="JobApplicationStatusLabel">
  <Key>
    <PropertyRef Name="appStatusId"/>
  </Key>
  <Property Name="appStatusId" Type="Edm.Int64" sf:Filterable="true" sf:Sortable="true" sf:Upsertable="true" sf:Insertable="true" sf:Required="false" Nullable="false">
    <Annotation Term="label">
      <String>Application Status Id</String>
    </Annotation>
  </Property>
  <Property Name="locale" Type="Edm.String" sf:Filterable="false" sf:Sortable="true" sf:Selectable="true" sf:Upsertable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="false">
    <Annotation Term="label">
      <String>Locale</String>
    </Annotation>
  </Property>
  <Property Name="statusLabel" Type="Edm.String" sf:Filterable="true" sf:Sortable="true" sf:Selectable="true" sf:Upsertable="true" sf:Updatable="true" sf:Insertable="true" sf:Required="false" Nullable="false">
    <Annotation Term="label">
      <String>Application Status Label</String>
    </Annotation>
  </Property>
</EntityType>
```

### 13.2 Job Requisition Entities

#### 13.2.1 JobRequisition

The job requisition entity contains core application data consisting of system, standard and custom fields. The metadata will show the standard and custom fields configured in all the active templates. If a field (standard or custom) is not configured in any of the active template, then it will not show up in the metadata and not be a part of OData query.

**Note**

The Batch operation, Job Profile Builder and Recruiting Groups features are not supported as of 1511 release.

The entity cannot be filtered or sorted by these non-reportable custom fields. Reportable custom fields should be available within the entity and the entity can be sorted/filtered using the reportable custom fields.

If the same field (custom or standard) has been configured as different types (say text in one and picklist in another) in separate requisition templates, then the field shows up as String in the metadata. In this case, OData query will return the Option Id for the picklist field of the job requisition which was created using the template having the field configured as picklist.

If two custom fields with same field Id are defined in 2 different templates then the metadata shows:
• One field in the metadata if the default label and field type are the same.
• One field in the metadata with two labels (comma separated) if the default labels are different.
• For now, the fields of type “JobCode” will show up as type string in the metadata.

The system and calculated fields will always show up in the metadata irrespective of the template definition.

Permissions

Table 367:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td></td>
</tr>
<tr>
<td>Recruiting Permissions</td>
<td>OData API Requisition Export</td>
</tr>
<tr>
<td>Recruiting Permissions</td>
<td>OData API Requisition Create</td>
</tr>
<tr>
<td>Recruiting Permissions</td>
<td>OData API Requisition Update</td>
</tr>
<tr>
<td>User-based</td>
<td></td>
</tr>
<tr>
<td>Recruiting Permissions</td>
<td>OData API Requisition Export</td>
</tr>
<tr>
<td>Recruiting Permissions</td>
<td>OData API Requisition Create</td>
</tr>
<tr>
<td>Recruiting Permissions</td>
<td>OData API Requisition Update</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

<table>
<thead>
<tr>
<th>Company Settings</th>
<th>Web Services</th>
<th>Disable OData API</th>
</tr>
</thead>
<tbody>
<tr>
<td>Please confirm this setting is NOT checked. OData APIs will be available by default – you will have to request them to be disabled.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Operations Allowed

Table 368:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Standard OData call to query the entity</td>
</tr>
<tr>
<td>POST</td>
<td>Update or insert operation for the JobRequisition entity is supported in 1511 release</td>
</tr>
<tr>
<td>DELETE</td>
<td>Unposts a job requisition.</td>
</tr>
</tbody>
</table>
### Properties

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>jobReqId</td>
<td>Job Requisition Id</td>
</tr>
<tr>
<td>templateId</td>
<td>Template Id</td>
</tr>
<tr>
<td>jobCode</td>
<td>Job Code</td>
</tr>
<tr>
<td>jobReqStartDateTime</td>
<td>Job Requisition Start Date Time</td>
</tr>
<tr>
<td>jobReqEndDateTime</td>
<td>Job Requisition End Date Time</td>
</tr>
<tr>
<td>customStatus</td>
<td>Custom Status</td>
</tr>
<tr>
<td>internalStatus</td>
<td>Internal Status</td>
</tr>
<tr>
<td>jobDepartment</td>
<td>Job Department</td>
</tr>
<tr>
<td>jobDivision</td>
<td>Job Division</td>
</tr>
<tr>
<td>jobLocation</td>
<td>Job Location</td>
</tr>
<tr>
<td>lastModified</td>
<td>Last Modified Date</td>
</tr>
<tr>
<td>jobStartDateTime</td>
<td>Job Start Date Time</td>
</tr>
<tr>
<td>agentInfo</td>
<td>Agent Information</td>
</tr>
<tr>
<td>dailyOppCost</td>
<td>Daily Opp Cost</td>
</tr>
<tr>
<td>costOfHire</td>
<td>Cost of Hire</td>
</tr>
<tr>
<td>jobLevel</td>
<td>Job Level</td>
</tr>
<tr>
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<td>Job Type</td>
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<td>Job Grade</td>
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<tr>
<td>salaryMax</td>
<td>Salary Max</td>
</tr>
<tr>
<td>salaryMid</td>
<td>Salary Mid</td>
</tr>
<tr>
<td>salaryMin</td>
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<tr>
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<td>Commission</td>
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<td>Property Name</td>
<td>Description</td>
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<tr>
<td>----------------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>Options</td>
<td>Options</td>
</tr>
<tr>
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<tr>
<td>signOnBonus</td>
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<tr>
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<td>nonRecoverableDraw</td>
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<tr>
<td>RecoverableDraw</td>
<td>Recovery Draw</td>
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<td>EEO Establishment</td>
</tr>
<tr>
<td>EEOGroup</td>
<td>EEO Group</td>
</tr>
<tr>
<td>EEOJobCat</td>
<td>EEO Job Category</td>
</tr>
<tr>
<td>jobReqContent</td>
<td>Job Requisition Content</td>
</tr>
<tr>
<td>candidateHired</td>
<td>Candidate Hired</td>
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<td>dateTimeCreated</td>
<td>Date Time Created</td>
</tr>
<tr>
<td>intranetPosting</td>
<td>Intranet Posting</td>
</tr>
<tr>
<td>corporatePosting</td>
<td>Corporate Posting</td>
</tr>
<tr>
<td>actualStartDateTime</td>
<td>Actual Start Date Time</td>
</tr>
<tr>
<td>candidateProgress</td>
<td>Candidate Progress Status</td>
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<td>Form Data Id</td>
</tr>
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</tr>
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<td>jobFunction</td>
<td>Job Function</td>
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<td>Property Name</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>-------------------------</td>
</tr>
<tr>
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<td>lastModifiedBy</td>
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</tr>
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</tr>
<tr>
<td>stateProvince</td>
<td>State Province</td>
</tr>
<tr>
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<td>Postal Code</td>
</tr>
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<td>Country</td>
<td>Country</td>
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<td>filter1</td>
<td>Filter Field 1</td>
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<td>filter2</td>
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<td>Filter Field 9</td>
</tr>
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<td>Filter Field 10</td>
</tr>
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<td>filter11</td>
<td>Filter Field 11</td>
</tr>
<tr>
<td>filter12</td>
<td>Filter Field 12</td>
</tr>
<tr>
<td>filter13</td>
<td>Filter Field 13</td>
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<tr>
<td>filter14</td>
<td>Filter Field 14</td>
</tr>
<tr>
<td>filter15</td>
<td>Filter Field 15</td>
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<tr>
<td>mfield1</td>
<td>Multi-Select Filter Field 1</td>
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<td>mfield2</td>
<td>Multi-Select Filter Field 2</td>
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<td>mfield3</td>
<td>Multi-Select Filter Field 3</td>
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<tr>
<td>mfield4</td>
<td>Multi-Select Filter Field 4</td>
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<td>mfield5</td>
<td>Multi-Select Filter Field 5</td>
</tr>
<tr>
<td>Property Name</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>mfield6</td>
<td>Multi-Select Filter Field 6</td>
</tr>
<tr>
<td>mfield7</td>
<td>Multi-Select Filter Field 7</td>
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<tr>
<td>mfield8</td>
<td>Multi-Select Filter Field 8</td>
</tr>
<tr>
<td>mfield9</td>
<td>Multi-Select Filter Field 9</td>
</tr>
<tr>
<td>mfield10</td>
<td>Multi-Select Filter Field 10</td>
</tr>
<tr>
<td>mfield11</td>
<td>Multi-Select Filter Field 11</td>
</tr>
<tr>
<td>mfield12</td>
<td>Multi-Select Filter Field 12</td>
</tr>
<tr>
<td>mfield13</td>
<td>Multi-Select Filter Field 13</td>
</tr>
<tr>
<td>mfield14</td>
<td>Multi-Select Filter Field 14</td>
</tr>
<tr>
<td>mfield15</td>
<td>Multi-Select Filter Field 15</td>
</tr>
<tr>
<td>overallScaleName</td>
<td>Overall Scale Name</td>
</tr>
<tr>
<td>assessRatingScaleName</td>
<td>Assess Rating Scale Name</td>
</tr>
<tr>
<td>reverseScale</td>
<td>Reverse Scale</td>
</tr>
<tr>
<td>AppStatusSetId</td>
<td>Application Status Set Id</td>
</tr>
<tr>
<td>salaryBase</td>
<td>Salary Base</td>
</tr>
<tr>
<td>salaryRateType</td>
<td>Salary Rate Type</td>
</tr>
<tr>
<td>overtimeRate</td>
<td>Overtime Rate</td>
</tr>
<tr>
<td>targetBonusPercent</td>
<td>Target Bonus Percent</td>
</tr>
<tr>
<td>targetBonusAmount</td>
<td>Target Bonus Amount</td>
</tr>
<tr>
<td>bonusPayoutFrequency</td>
<td>Bonus Payout Frequency</td>
</tr>
<tr>
<td>numberOpening</td>
<td>Number of Opening</td>
</tr>
<tr>
<td>openingFilled</td>
<td>Opening Filled</td>
</tr>
<tr>
<td>defaultLocale</td>
<td>Default Locale</td>
</tr>
<tr>
<td>templateType</td>
<td>Template Type</td>
</tr>
<tr>
<td>dateTimeClosed</td>
<td>Date Time Closed</td>
</tr>
<tr>
<td>jobReqGUID</td>
<td>Job Requisition GU Id</td>
</tr>
<tr>
<td>Property Name</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>ratedApplicantCount</td>
<td>Rated Applicant Count</td>
</tr>
<tr>
<td>applicationTemplateId</td>
<td>Application Template Id</td>
</tr>
<tr>
<td>package Id</td>
<td>Package Id</td>
</tr>
<tr>
<td>costCenter Id</td>
<td>Cost Center Id</td>
</tr>
<tr>
<td>onBoardingPackageId</td>
<td>OnBoarding Package Id</td>
</tr>
<tr>
<td>BGIAccountId</td>
<td>BGI Account Id</td>
</tr>
<tr>
<td>companyVisibility</td>
<td>Company Visibility</td>
</tr>
<tr>
<td>lastModifiedProxyUserId</td>
<td>Last Modified Proxy User Id</td>
</tr>
<tr>
<td>Facility</td>
<td>Facility</td>
</tr>
<tr>
<td>requiredTravel</td>
<td>Required Travel</td>
</tr>
<tr>
<td>Brand</td>
<td>Brand</td>
</tr>
<tr>
<td>ERPAmount</td>
<td>ERP Amount</td>
</tr>
<tr>
<td>hardstopStatusId</td>
<td>Hard Stop Status Id</td>
</tr>
<tr>
<td>jobRole</td>
<td>Job Role</td>
</tr>
<tr>
<td>timeToFill</td>
<td>Time to Fill</td>
</tr>
<tr>
<td>Age</td>
<td>Age</td>
</tr>
<tr>
<td>positionNumber</td>
<td>Position Number</td>
</tr>
<tr>
<td>isDeleted</td>
<td>Is Deleted</td>
</tr>
<tr>
<td>openingsFilled</td>
<td>Openings Filled</td>
</tr>
</tbody>
</table>

**Navigation Properties**

Table 370:

<table>
<thead>
<tr>
<th>Navigation Property Name</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coordinator</td>
<td>Coordinator</td>
<td>JobRequisitionOperator</td>
</tr>
<tr>
<td>hiringManager</td>
<td>HiringManager</td>
<td>JobRequisitionOperator</td>
</tr>
</tbody>
</table>
### Use Cases

#### Table 371:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>../odata/v2/JobRequisition('1234')</code></td>
<td>Gets the job requisition where jobReqId is 1234</td>
</tr>
<tr>
<td><code>../odata/v2/JobRequisition('1234')?</code></td>
<td>Gets the job requisition along with the hiringManager where jobReqId is 1234</td>
</tr>
<tr>
<td><code>../odata/v2/JobRequisition('1234')?</code></td>
<td>Gets the job requisition along with the hiringManager where jobReqId is 1234</td>
</tr>
</tbody>
</table>

#### Sample Code

```json
../odata/v2/JobRequisition
{
    "country":"US",
    "jobCode":"PM",
    "jobGrade":"1",
    "defaultLanguage": "en_US",
    "department":"Product Management (PM)",
    "jobLevel":"1",
    "division":"Industries (IND)",
    "location":"San Mateo, CA",
    "statusSetId": "21",
    "appTemplateId": "792",
    "templateId": "1251",
    "jobReqLocale": {
        "jobTitle": "Teste API"
    },
    "recruiter": {
        "userName": "lokamoto"
    },
    "hiringManager": {
        "userName": "lokamoto"
    }
}
```

Inserts a job requisition with all required fields.
<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>../odata/v2/upsert</td>
<td>Update jobReqId 1234 on its location and adding a new title for a different locale and a document on the interview guide.</td>
</tr>
<tr>
<td>{</td>
<td></td>
</tr>
<tr>
<td>&quot;__metadata&quot;: {</td>
<td></td>
</tr>
<tr>
<td>&quot;type&quot;: &quot;SFOData.JobRequisition&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;uri&quot;: &quot;JobRequisition(1234)&quot;</td>
<td></td>
</tr>
<tr>
<td>},</td>
<td></td>
</tr>
<tr>
<td>&quot;location&quot;: &quot;San Mateo, CA&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;jobReqLocale&quot;: {</td>
<td></td>
</tr>
<tr>
<td>&quot;jobTitle&quot;: &quot;bbbb&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;locale&quot;: &quot;en_GB&quot;</td>
<td></td>
</tr>
<tr>
<td>},</td>
<td></td>
</tr>
<tr>
<td>&quot;interviewGuide&quot;: {</td>
<td></td>
</tr>
<tr>
<td>&quot;module&quot;: &quot;RECRUITING&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;fileContent&quot;: &quot;XXXXXXXXXXXAAAAA&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;fileName&quot;: &quot;Test.doc&quot;</td>
<td></td>
</tr>
<tr>
<td>}</td>
<td></td>
</tr>
<tr>
<td>../odata/v2/JobRequisition</td>
<td>Inserts a job requisition with internalStatus = 1 (Open) and creating a job requisition posting.</td>
</tr>
<tr>
<td>{</td>
<td></td>
</tr>
<tr>
<td>&quot;country&quot;: &quot;US&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;jobCode&quot;: &quot;PM&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;jobGrade&quot;: &quot;1&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;defaultLanguage&quot;: &quot;en_US&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;department&quot;: &quot;Product Management (PM)&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;jobLevel&quot;: &quot;1&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;division&quot;: &quot;Industries (IND)&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;location&quot;: &quot;San Mateo, CA&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;statusSetId&quot;: &quot;21&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;appTemplateId&quot;: &quot;792&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;templateId&quot;: &quot;1251&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;internalStatus&quot;: &quot;1&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;jobReqLocale&quot;: {</td>
<td></td>
</tr>
<tr>
<td>&quot;jobTitle&quot;: &quot;Teste API&quot;</td>
<td></td>
</tr>
<tr>
<td>},</td>
<td></td>
</tr>
<tr>
<td>&quot;recruiter&quot;: {</td>
<td></td>
</tr>
<tr>
<td>&quot;userName&quot;: &quot;lokamoto&quot;</td>
<td></td>
</tr>
<tr>
<td>},</td>
<td></td>
</tr>
<tr>
<td>&quot;hiringManager&quot;: {</td>
<td></td>
</tr>
<tr>
<td>&quot;userName&quot;: &quot;lokamoto&quot;</td>
<td></td>
</tr>
<tr>
<td>},</td>
<td></td>
</tr>
<tr>
<td>&quot;jobReqPostings&quot;: {</td>
<td></td>
</tr>
<tr>
<td>&quot;postStartDate&quot;: &quot;\Date(1439290950000)\&quot;&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;postEndDate&quot;: &quot;\Date(1439942399000)\&quot;&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;boardId&quot;: &quot;_agency&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;channelId&quot;: &quot;1&quot;</td>
<td></td>
</tr>
<tr>
<td>}</td>
<td></td>
</tr>
<tr>
<td>API Call</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><code>/odata/v2/JobRequisition</code></td>
<td>Inserts a job requisition with all required fields and adding some questions.</td>
</tr>
<tr>
<td>`{</td>
<td></td>
</tr>
</tbody>
</table>
|     "country":"US",
|     "jobCode":"PM",
|     "jobGrade":"1",
|     "defaultLanguage": "en_US",
|     "department":"Product Management (PM)",
|     "jobLevel":"1",
|     "division":"Industries (IND)",
|     "location":"San Mateo, CA",
|     "statusSetId": "21",
|     "appTemplateId": "792",
|     "templateId": "1251",
|     "jobReqLocale": {
|       "jobTitle": "Teste API"
|     },
|     "recruiter": {
|       "userName": "lokamoto"
|     },
|     "hiringManager": {
|       "userName": "lokamoto"
|     },
|     "questions": [
|       { "questionId": "42201"},
|       { "questionId": "42193"}
|     ]
| }                                                                        |                                                                             |
| `.../odata/v2/`                                                         | (DELETE) Unposts a job requisition where jobPostingId = 999 and jobReqId = 1234 |
| `JobRequisitionPosting(jobPostingId=999L, jobReqId=1234L)`              |                                                                             |
API Call

```plaintext
../odata/v2/JobRequisition
{
  "country":"US",
  "jobCode":"PM",
  "jobGrade":"2",
  "defaultLanguage":"en_US",
  "templateId":"1251",
  "appTemplateId":"792",
  "comments":"My comment",
  "statusSetId":"21",
  "department":"Product Management (PM)",
  "jobLevel":"1",
  "division":"Industries (IND)",
  "location":"San Mateo, CA",
  "jobReqLocale":[
    {
      "jobTitle":"Test JP - Denis",
      "locale": "ja_JP",
      "externalTitle": "Test JP"
    },
    {
      "jobTitle":"Test KR - Denis",
      "locale": "ko_KR",
      "externalTitle": "Test KR"
    }
  ],
  "hiringManager":{
    "userName":"cgrant"
  },
  "recruiter":{
    "userName":"lokamoto"
  },
  "mfield1": [ 
    { "id":"1538" },
    { "id":"1542" }
  ]
}
```

Description

Inserts a job requisition with multiple languages and multiple picklist.

---

### Error Codes

Table 372:

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permission not enabled (not a specific code)</td>
<td>Recruiting OData API is not enabled in provisioning.</td>
</tr>
<tr>
<td>Edit permission not enabled (not a specific code)</td>
<td>OData API Job Requisition &lt;editType&gt; permission in Admin Center is not enabled.</td>
</tr>
<tr>
<td>System field not allowed to edit (not a specific code)</td>
<td>System field &lt;field&gt; not editable.</td>
</tr>
<tr>
<td>Field required (not a specific code)</td>
<td>&lt;field&gt; required.</td>
</tr>
<tr>
<td>Field invalid (not a specific code)</td>
<td>&lt;field&gt; invalid.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Field invalid for template</td>
<td>Field &lt;field&gt; invalid for templateId &lt;templateId&gt;.</td>
</tr>
<tr>
<td>Locale not supported</td>
<td>Locale &lt;locale&gt; is not supported for templateId &lt;templateId&gt;.</td>
</tr>
<tr>
<td>Channel required</td>
<td>Property channelId must be informed when posting type is agency.</td>
</tr>
<tr>
<td>Invalid user</td>
<td>User &lt;userId&gt; is invalid for &lt;field&gt;.</td>
</tr>
<tr>
<td>Invalid number</td>
<td>&lt;field&gt; has a invalid number format</td>
</tr>
<tr>
<td>Invalid date</td>
<td>&lt;field&gt; has a invalid date format</td>
</tr>
<tr>
<td>Invalid boolean</td>
<td>&lt;field&gt; has a invalid Boolean format</td>
</tr>
<tr>
<td>Invalid template</td>
<td>Template Id &lt;templateId&gt; is invalid or inactive</td>
</tr>
<tr>
<td>SCA error</td>
<td>Unable to insert job requisition due to a SCA Error.</td>
</tr>
<tr>
<td>Job Req not found</td>
<td>Job Requisition &lt;jobReqId&gt; was not found</td>
</tr>
<tr>
<td>Min days posting error</td>
<td>This job must be posted for a minimum of &lt;days&gt; day(s).</td>
</tr>
<tr>
<td>Start date after end date error</td>
<td>JobRequisitionPosting/postStartDate must be before JobRequisitionPosting/postEndDate</td>
</tr>
<tr>
<td>Invalid channel id</td>
<td>Field channelId &lt;channelId&gt; is not valid for boardId &lt;boardId&gt;</td>
</tr>
<tr>
<td>Invalid question id</td>
<td>Question Id &lt;questionId&gt; is invalid.</td>
</tr>
</tbody>
</table>

**Entity Metadata**

In order to see the metadata please use the following query. You should find all the navigation properties along with fields definition that are set in job requisition template found in provisioning: `../odata/v2/$metadata`
13.2.2 JobRequisitionLocale

This entity represents the data about external/internal job description header, footer, external/internal title, external/internal description, status in different locale.

Required Provisioning Settings

Please confirm this setting is NOT checked. OData APIs will be available by default – you will have to request them to be disabled.

Permissions

Table 373:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Recruiting Permissions</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions</td>
</tr>
<tr>
<td>User-based</td>
<td>Recruiting Permissions</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 374:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Standard OData call to query the entity</td>
</tr>
<tr>
<td>POST</td>
<td>Update or insert operation for the JobRequisitionLocale entity is supported in 1511 release</td>
</tr>
</tbody>
</table>
Properties

Table 375:

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>extJobDescFooter</td>
<td>External Job Description Footer</td>
</tr>
<tr>
<td>extJobDescHeader</td>
<td>External Job Description Header</td>
</tr>
<tr>
<td>externalJobDescription</td>
<td>External Job Description</td>
</tr>
<tr>
<td>externalTitle</td>
<td>External Title</td>
</tr>
<tr>
<td>intJobDesHeader</td>
<td>Internal Job Description Header</td>
</tr>
<tr>
<td>intJobDescFooter</td>
<td>Internal Job Description Footer</td>
</tr>
<tr>
<td>jobDescription</td>
<td>Job Description</td>
</tr>
<tr>
<td>jobReqId</td>
<td>Job Requisition Id</td>
</tr>
<tr>
<td>jobReqLocalId</td>
<td>Job Requisition Locale Id</td>
</tr>
<tr>
<td>jobTitle</td>
<td>Job Title</td>
</tr>
<tr>
<td>locale</td>
<td>Locale</td>
</tr>
<tr>
<td>status</td>
<td>Posting Status</td>
</tr>
<tr>
<td>jobRequisition</td>
<td>Job Requisition</td>
</tr>
</tbody>
</table>

Navigation Properties

Table 376:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>jobRequisition</td>
<td>JobRequisition</td>
<td>Job Requisition</td>
</tr>
</tbody>
</table>

Entity Metadata

In order to see the metadata please use the following query. You should find all the navigation properties along with fields definition that are set in the template found in provisioning: ../odata/v2/$metadata
13.2.3 JobRequisitionOperator

This entity represents the job requisition operator user data which includes user system id, first name, last name, email, fax and phone number. If an operator is defined in any of the job requisition template, then the operator will have an entry in JobRequisition entity.

Required Provisioning Settings

Company Settings > Web Services > Disable OData API Please confirm this setting is NOT checked. OData APIs will be available by default – you will have to request them to be disabled.

Permissions

Table 377:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Recruiting Permissions &gt; OData API Requisition Export</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions &gt; OData API Requisition Create</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions &gt; OData API Requisition Update</td>
</tr>
<tr>
<td>User-based</td>
<td>Recruiting Permissions &gt; OData API Requisition Export</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions &gt; OData API Requisition Create</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions &gt; OData API Requisition Update</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 378:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Standard OData call to query the entity.</td>
</tr>
<tr>
<td>POST</td>
<td>Update or insert operation for the JobRequisitionOperator entity is supported in 1511 release</td>
</tr>
</tbody>
</table>
Properties

Table 379:

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>emailId</td>
<td>Operator email id</td>
</tr>
<tr>
<td>fax</td>
<td>Operator fax</td>
</tr>
<tr>
<td>firstName</td>
<td>Operator First Name</td>
</tr>
<tr>
<td>jobReqId</td>
<td>Job Requisition Id</td>
</tr>
<tr>
<td>lastName</td>
<td>Operator Last Name</td>
</tr>
<tr>
<td>phoneNumber</td>
<td>Operator phone number</td>
</tr>
<tr>
<td>usersSysId</td>
<td>Operator Users Sys</td>
</tr>
</tbody>
</table>

Navigation Properties

None.

Entity Metadata

In order to see the metadata please use the following query. You should find all the navigation properties along with fields definition that are set in the template found in provisioning: /odata/v2/$metadata

13.2.4 JobRequisitionPosting

This entity represents the job requisition posting details.

Required Provisioning Settings

- **Company Settings** ➔ **Web Services** ➔ **Disable OData API** ➔ Please confirm this setting is NOT checked. OData APIs will be available by default – you will have to request them to be disabled.
Permissions

Table 380:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Recruiting Permissions &gt; OData API Requisition Export</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions &gt; OData API Requisition Create</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions &gt; OData API Requisition Update</td>
</tr>
<tr>
<td>User-based</td>
<td>Recruiting Permissions &gt; OData API Requisition Export</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions &gt; OData API Requisition Create</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions &gt; OData API Requisition Update</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 381:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Standard OData call to query the entity.</td>
</tr>
<tr>
<td>POST</td>
<td>Update or insert operation for the JobRequisitionPosting entity is supported in 1511 release</td>
</tr>
</tbody>
</table>

Properties

Table 382:

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>agencyComment</td>
<td>Agency Comment</td>
</tr>
<tr>
<td>boardId</td>
<td>Job Board Id</td>
</tr>
<tr>
<td>boardName</td>
<td>Job Board Name</td>
</tr>
<tr>
<td>channelId</td>
<td>Job Channel Id</td>
</tr>
<tr>
<td>extPartnerAccountID</td>
<td>Ext Partner Account...</td>
</tr>
<tr>
<td>jobPostingId</td>
<td>Job Posting Id</td>
</tr>
<tr>
<td>jobReqId</td>
<td>Job Requisition Id</td>
</tr>
<tr>
<td>lastModifiedBy</td>
<td>Posting Last Modifi...</td>
</tr>
</tbody>
</table>
### Navigation Properties

Table 383:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>jobRequisition</td>
<td>JobRequisition</td>
<td>Job Requisition</td>
</tr>
</tbody>
</table>

### Entity Metadata

In order to see the metadata please use the following query. You should find all the navigation properties along with fields definition that are set in the template found in provisioning: `../odata/v2/$metadata`

### 13.2.5 JobReqQuestions

This entity represents the job requisition questions details.

### Required Provisioning Settings

*Company Settings ➔ Web Services ➔ Disable OData API* ➔ Please confirm this setting is NOT checked. OData APIs will be available by default – you will have to request them to be disabled.
Permissions

Table 384:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Recruiting Permissions, OData API Requisition Export, Recruiting Permissions, OData API Requisition Create, Recruiting Permissions, OData API Requisition Update</td>
</tr>
<tr>
<td>User-based</td>
<td>Recruiting Permissions, OData API Requisition Export, Recruiting Permissions, OData API Requisition Create, Recruiting Permissions, OData API Requisition Update</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 385:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Standard OData call to query the entity.</td>
</tr>
<tr>
<td>POST</td>
<td>Update or insert operation for the JobRequisitionQuestions entity is supported in 1511 release</td>
</tr>
</tbody>
</table>

Properties

Table 386:

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>questionId</td>
<td>Question ID</td>
</tr>
<tr>
<td>questionSource</td>
<td>Question Source</td>
</tr>
<tr>
<td>questionName</td>
<td>Question Name</td>
</tr>
<tr>
<td>questionType</td>
<td>Question Type</td>
</tr>
<tr>
<td>questionCategory</td>
<td>Question Category</td>
</tr>
</tbody>
</table>

Navigation Properties

None.
Entity Metadata

In order to see the metadata please use the following query. You should find all the navigation properties along with fields definition that are set in job requisition template found in provisioning: ../odata/v2/$metadata

13.3 Candidate Entities

13.3.1 Candidate and CandidateBackground_ *

These entities represent the candidates in Recruiting module which include core candidate profile data, attachments (including resume and cover letter), background elements, application status, comments and data privacy setting information.

The candidate entity contains core application data consisting of system, standard and custom fields. The metadata will show the standard and custom fields configured in the active template. If a field (standard or custom) is not configured in the template, then it will not show up in the metadata and not be a part of OData query. The system fields will always show up. This entity is not effective dated.

Note

1. The entity cannot be filtered or sorted by the non-reportable custom fields. Reportable custom fields should be available within the entity and the entity can be sorted/filtered using the reportable custom fields.
2. The system fields will always show up in the metadata irrespective of the template definition.
3. Only external candidates can be created (internal can be updated or exported).

CandidateBackground_* entities represent the background elements as defined in the candidate template. For example: CandidateBackground_Certificate, CandidateBackground_Education etc. These entities are not effective dated.

Required Provisioning Settings

Please confirm this setting is NOT checked. OData APIs will be available by default – you will have to request them to be disabled.
Permissions

Table 387:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Recruiting Permissions &gt; OData API Candidate Export</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions &gt; OData API Candidate Create</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions &gt; OData API Candidate Update</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions &gt; Candidate Tagging Permission</td>
</tr>
<tr>
<td>User-based</td>
<td>Recruiting Permissions &gt; OData API Candidate Export</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions &gt; OData API Candidate Create</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions &gt; OData API Candidate Update</td>
</tr>
<tr>
<td></td>
<td>Recruiting Permissions &gt; Candidate Tagging Permission</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

The following provisioning flag needs to be unchecked:

- Company Settings > Web Services > Disable OData API

Operations Allowed

Table 388:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Standard OData call to query the entity</td>
</tr>
<tr>
<td>POST</td>
<td>Update or insert operation for the Candidate entity is supported in 1508 release</td>
</tr>
</tbody>
</table>

Properties

Standard and custom fields show up based on the template definitions. Please refer to OData API Data Dictionary for the latest information on entities.
<table>
<thead>
<tr>
<th>Property Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>address</td>
<td>Street Address</td>
</tr>
<tr>
<td>anonymized</td>
<td>Anonymized Flag</td>
</tr>
<tr>
<td>anonymizedDateTime</td>
<td>Anonymized Date Time</td>
</tr>
<tr>
<td>candidateId</td>
<td>Candidate Id</td>
</tr>
<tr>
<td>candidateLocale</td>
<td>Candidate Locale</td>
</tr>
<tr>
<td>cellPhone</td>
<td>Primary Phone</td>
</tr>
<tr>
<td>city</td>
<td>City</td>
</tr>
<tr>
<td>contactEmail</td>
<td>Contact Email</td>
</tr>
<tr>
<td>country</td>
<td>Country</td>
</tr>
<tr>
<td>creationDateTime</td>
<td>Creation Date</td>
</tr>
<tr>
<td>currency</td>
<td>Currency</td>
</tr>
<tr>
<td>custPrimaryPhone</td>
<td>Home/Other Phone</td>
</tr>
<tr>
<td>dataPrivacyId</td>
<td>Data Privacy Id</td>
</tr>
<tr>
<td>dateofAvailability</td>
<td>Date of Availability</td>
</tr>
<tr>
<td>externalCandidate</td>
<td>External Candidate</td>
</tr>
<tr>
<td>firstName</td>
<td>First Name</td>
</tr>
<tr>
<td>gender</td>
<td>Gender</td>
</tr>
<tr>
<td>homePhone</td>
<td>Personal Mobile Phone</td>
</tr>
<tr>
<td>lastLoginDateTime</td>
<td>Last login date</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>Last Modified Date</td>
</tr>
<tr>
<td>lastName</td>
<td>Last Name</td>
</tr>
<tr>
<td>middleName</td>
<td>Middle</td>
</tr>
<tr>
<td>minAnnualSal</td>
<td>Minimum Annual Salary</td>
</tr>
<tr>
<td>partnerMemberId</td>
<td>Partner Member Id</td>
</tr>
<tr>
<td>partnerSource</td>
<td>Partner Source</td>
</tr>
<tr>
<td>privacyAcceptDate</td>
<td>Privacy Acceptance Date</td>
</tr>
</tbody>
</table>
### Table 390: CandidateComments Properties

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>associatedCommentId</td>
<td>Associated Comment Id</td>
</tr>
<tr>
<td>associatedId</td>
<td>Associated Id</td>
</tr>
<tr>
<td>commentId</td>
<td>Comment Id</td>
</tr>
<tr>
<td>commentator</td>
<td>Commentator</td>
</tr>
<tr>
<td>content</td>
<td>Content</td>
</tr>
<tr>
<td>hasAssociatedComment</td>
<td>Has Associated Comment</td>
</tr>
<tr>
<td>migratedCommentatorUserName</td>
<td>Migrated Commentator User Name</td>
</tr>
<tr>
<td>refId</td>
<td>Reference Id</td>
</tr>
<tr>
<td>refType</td>
<td>Reference Type</td>
</tr>
</tbody>
</table>

### Table 391: CandidateTags Properties

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>Label</td>
</tr>
<tr>
<td>Property Name</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>-------------</td>
</tr>
<tr>
<td>locale</td>
<td>Locale</td>
</tr>
<tr>
<td>tagId</td>
<td>Tag Id</td>
</tr>
</tbody>
</table>

**Navigation Properties**

Table 392: Candidate Navigation Properties

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>coverLetter</td>
<td>Attachment</td>
<td>Cover Letter</td>
</tr>
<tr>
<td>educationdocs</td>
<td>Attachment</td>
<td>Education Documents</td>
</tr>
<tr>
<td>ethnicity</td>
<td>PicklistOption</td>
<td>Ethnicity</td>
</tr>
<tr>
<td>resume</td>
<td>Attachment</td>
<td>Resume</td>
</tr>
<tr>
<td>comments</td>
<td>Candidate comments</td>
<td>Comments</td>
</tr>
<tr>
<td>tags</td>
<td>Candidate tags</td>
<td>tags</td>
</tr>
<tr>
<td>country</td>
<td>PicklistOption</td>
<td>Country</td>
</tr>
<tr>
<td>state</td>
<td>PicklistOption</td>
<td>State</td>
</tr>
<tr>
<td>outsideWorkExperience</td>
<td>CandidateBackground_OutsideWorkExperience</td>
<td>Outside Work Experience</td>
</tr>
<tr>
<td>education</td>
<td>CandidateBackground_Education</td>
<td>Education</td>
</tr>
</tbody>
</table>

Table 393: CandidateComments Navigation Properties

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>candidate</td>
<td>Candidate</td>
<td>Candidate</td>
</tr>
</tbody>
</table>

**Use Cases**

Table 394:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>../odata/v2/Candidate('12333')</td>
<td>GET</td>
<td>Get the candidate where candidateId is 12333</td>
</tr>
<tr>
<td>API Call</td>
<td>Operation</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>-----------</td>
<td>-------------</td>
</tr>
<tr>
<td>../odata/v2/Candidate('12333')?$expand=resume</td>
<td>GET</td>
<td>Get the candidate along with the resume where candidate is 12333</td>
</tr>
<tr>
<td><strong>Sample Code</strong></td>
<td>POST</td>
<td>Inserts a candidate with 5 basic fields. There will be no other validation for required fields unless user sends any additional required field.</td>
</tr>
</tbody>
</table>
| ```javascript
../odata/v2/Candidate
{
  "firstName": "John",
  "lastName": "Doe",
  "country": "US",
  "cellPhone": "+1 866 9999-9999",
  "primaryEmail": "john.doe@acffgt.com"
}
``` | POST | Updates candidateId 45417 on its firstName and minAnnualSal fields. |
| **Sample Code** | POST | |
| ```javascript
../odata/v2/upsert
{
  "__metadata":{
    "type":"SFOData.Candidate",
    "uri":"Candidate(45417)"
  },
  "firstName": "Test",
  "minAnnualSal": 70000
}
``` | POST | |

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<table>
<thead>
<tr>
<th>API Call</th>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample Code</td>
<td>POST</td>
<td>Inserts a candidate with education background information.</td>
</tr>
</tbody>
</table>

```json
../odata/v2/Candidate
{
    "firstName": "John",
    "lastName": "Doe",
    "gender": "M",
    "country": "US",
    "primaryEmail": "john.doe@acffgt.com",
    "cellPhone": "+1 866 9999-9999",
    "education": {
        "school": "ABC institute",
        "major": "asdas",
        "degree": "Bachelor"
    }
}
```
<table>
<thead>
<tr>
<th>API Call</th>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>../odata/v2/Candidate</td>
<td>POST</td>
<td>Inserts candidate with two multi-attachments</td>
</tr>
</tbody>
</table>

#### Sample Code

```plaintext
../odata/v2/Candidate
{
  "__metadata":{
    "type":"SFOData.Candidate"
  },
  "firstName": "Multiattach999",
  "lastName": "Test",
  "country": "BR",
  "cellPhone": "55 9999-9999",
  "primaryEmail": "multixx@test.com",
  "educationdocs": [
    {
      "__metadata":{
        "type":"SFOData.Attachment"
      },
      "module":"RECRUITING",
      "moduleCategory":"ATTACHMENTS",
      "fileContent": "uuuuuyyy yyyyyzzzzz",
      "fileName": "TestMulti1.doc"
    },
    {
      "__metadata":{
        "type":"SFOData.Attachment"
      },
      "module":"RECRUITING",
      "moduleCategory":"ATTACHMENTS",
      "fileContent": "xxxxxyy yyyyxxxx",
      "fileName": "TestMulti2.doc"
    }
  ]
}```
<table>
<thead>
<tr>
<th>API Call</th>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="../odata/v2/Candidate" alt="Sample Code" /></td>
<td>POST</td>
<td>Insert candidate with background elements</td>
</tr>
<tr>
<td><img src="../odata/v2/upsert" alt="Sample Code" /></td>
<td>POST</td>
<td>Update candidate with background elements</td>
</tr>
<tr>
<td>API Call</td>
<td>Operation</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>-----------</td>
<td>-------------</td>
</tr>
<tr>
<td><img src="..%2Fodata%2Fv2%2FCandidate" alt="Sample Code" /></td>
<td>POST</td>
<td>Insert candidate with comments and tags</td>
</tr>
<tr>
<td><img src="../odata/v2/upsert" alt="Sample Code" /></td>
<td>POST</td>
<td>Update tag id 999 and comment id 123 where candidate id is 4333</td>
</tr>
</tbody>
</table>
### Sample Code

```json
../odata/v2/Candidate
{
    "primaryEmail": "candidate@sap.com",
    "firstName": "Education",
    "lastName": "Master",
    "country": "BR",
    "cellPhone": "55 9999-9999",
    "state": {"id": "480"}
}
```

**POST**

Insert candidate with a picklist field (state)

```json
../odata/v2/Candidate
{
    "firstName": "Test4",
    "lastName": "Privacy",
    "country": "BR",
    "cellPhone": "55 9999-9999",
    "primaryEmail": "privacy4@test.com",
    "shareProfile": "2",
    "password": "123",
    "agreeToPrivacyStatement": "true"
}
```

**POST**

Insert a candidate with a password, visibility profile as “Any company recruiter worldwide” and accepting the Privacy Statement

### Error Codes

Table 395:

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permission not enabled(not a specific code)</td>
<td>OData API Candidate &lt;editType&gt; permission in Admin Center is not enabled.</td>
</tr>
<tr>
<td>Tags Permission</td>
<td>Recruiting Candidate Tagging permission is Admin Center is not enabled.</td>
</tr>
<tr>
<td>Candidate already exists(not a specific code)</td>
<td>Candidate already exists.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------------------</td>
<td>------------------------------------------------------------------</td>
</tr>
<tr>
<td>Field required (not a specific code)</td>
<td>&lt;field&gt; required.</td>
</tr>
<tr>
<td>Field invalid (not a specific code)</td>
<td>&lt;field&gt; invalid.</td>
</tr>
<tr>
<td>Invalid number (not a specific code)</td>
<td>&lt;field&gt; has a invalid number format</td>
</tr>
<tr>
<td>Invalid date (not a specific code)</td>
<td>&lt;field&gt; has a invalid date format</td>
</tr>
<tr>
<td>Invalid boolean (not a specific code)</td>
<td>&lt;field&gt; has a invalid Boolean format</td>
</tr>
<tr>
<td>SCA Error (not a specific code)</td>
<td>Unable to insert Candidate due to a SCA Error</td>
</tr>
<tr>
<td>DPCS not enabled (not a specific code)</td>
<td>DPCS 2 not enabled</td>
</tr>
<tr>
<td>DPCS already accepted (not a specific code)</td>
<td>User has already accepted Dpcs</td>
</tr>
<tr>
<td>Wrapped Ex (not a specific code)</td>
<td>Unexpected error occurred and the e-mail to Candidate could not be sent: &lt;error&gt;</td>
</tr>
</tbody>
</table>

**Entity Metadata**

In order to see Candidate’s metadata please use the query, .../odata/v2/$metadata. You should find all the navigation properties along with fields definition that are set in candidate profile template found in provisioning.
14 Employee Central

You can get information about Employee Central entities in the dedicated guide, Employee Central OData API Reference Guide.

Related Information

Employment Central OData API Reference Guide
15 Onboarding

15.1 OnboardingCandidateInfo

OnboardingCandidateInfo is an MDF entity that maintains metadata about a candidate’s onboarding activity. This entity can be used for querying onboarding activities by metadata.

Permissions

Table 396:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>None.</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

In provisioning account company settings, Onboarding Application feature must be turned ON.

Operations Allowed

Table 397:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Standard MDF OData settings are applicable.</td>
</tr>
<tr>
<td>PUT</td>
<td>Standard MDF OData settings are applicable.</td>
</tr>
<tr>
<td>MERGE</td>
<td>Standard MDF OData settings are applicable.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Standard MDF OData settings are applicable.</td>
</tr>
<tr>
<td>UPSERT/POST</td>
<td>Standard MDF OData settings are applicable.</td>
</tr>
</tbody>
</table>
## Properties

Table 398:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>applicantID</td>
<td>The external code for this entity. In RX-OB integration flow, this is set to the application-id of the candidate. In external-ATS – OB integration, this is generated using the rcm_job_application_seq sequence counter.</td>
</tr>
<tr>
<td>candidateID</td>
<td>In RX-OB integration flow, this is set to the id of the candidate. In external-ATS (xATS) – OB integration, this is generated using the rcm_job_application_seq sequence counter. (For xATS – OB flow, this is same as application ID.)</td>
</tr>
<tr>
<td>managerId</td>
<td>The user-id of the manager</td>
</tr>
<tr>
<td>hrManagerId</td>
<td>The user-id of the HR Manager</td>
</tr>
<tr>
<td>kmsUserId</td>
<td>The onboarding-activity-id; i.e, the hr-data-id of the onboarding activity.</td>
</tr>
<tr>
<td>userId</td>
<td>User-id of this candidate.</td>
</tr>
<tr>
<td>readytoHire</td>
<td>Whether or not the candidate ready to be hired. This is false by default. When paperwork-done notification under SF_Notifications feature in KMS is enabled (recommended configuration), it is set to true when NES step of onboarding activity is completed.</td>
</tr>
<tr>
<td>hired</td>
<td>Whether or not the candidate has been hired. Default is false. In OB – EC flow this is set to true when candidate is hired.</td>
</tr>
<tr>
<td>hireDate</td>
<td>The start date of the employee.</td>
</tr>
<tr>
<td>fName</td>
<td>First Name</td>
</tr>
<tr>
<td>lName</td>
<td>Last Name</td>
</tr>
<tr>
<td>email</td>
<td>Email address</td>
</tr>
<tr>
<td>division</td>
<td>Division</td>
</tr>
<tr>
<td>department</td>
<td>Department</td>
</tr>
<tr>
<td>location</td>
<td>Location</td>
</tr>
<tr>
<td>payGrade</td>
<td>Pay Grade</td>
</tr>
<tr>
<td>jobTitle</td>
<td>Job Title</td>
</tr>
<tr>
<td>internalHire</td>
<td>Whether or not the candidate is an internal hire. Default is false. In RX – OB flow, RX (RMK) sets this flag depending upon if the candidate is internal or external. For xATS – OB integrations: When SF_Notifications feature in KMS is enabled, this field is updated after the candidate-created, post-phv and paperwork-done notifications. (Note that once set to true, this flag cannot be set to false by notifications.)</td>
</tr>
<tr>
<td>fromExternalATS</td>
<td>Whether or not the candidate is from an external ATS (i.e, not from RX/RMK). In RX – OB flows, this is set to false otherwise it is true.</td>
</tr>
</tbody>
</table>
Navigation Properties

Table 399:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>hrManagerIdNav</td>
<td>User</td>
<td>The HR manager related to this entity.</td>
</tr>
<tr>
<td>managerIdNav</td>
<td>User</td>
<td>The manager related to this entity.</td>
</tr>
<tr>
<td>userId</td>
<td>User</td>
<td>The user ID of the candidate.</td>
</tr>
</tbody>
</table>

Entity Relation Diagram

Use Cases

Table 400:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/odata/v2/OnboardingCandidateInfo?$filter=applicantId eq '2443'</td>
<td>Get OnboardingCandidateInfo object for applicant with application-id 2443.</td>
</tr>
<tr>
<td>/odata/v2/OnboardingCandidateInfo?$filter=readyToHire eq 'true' and hired eq 'false'</td>
<td>Get candidates ready to be hired (but not yet hired).</td>
</tr>
<tr>
<td>/odata/v2/OnboardingCandidateInfo?$filter=createdDate ge datetime'2014-12-30T00:00:00'</td>
<td>Get candidate data created on or after a given date.</td>
</tr>
</tbody>
</table>
16  Goals

16.1  COTGMOBJECT_ENTITY

COTGMOBJECT_ENTITY represents the goal entity, including all standard fields and customer fields configured in goal plan templates. It is specified by goal plan id, which means one template has one entity corresponding to it, such as Goal_1 and Goal_2.

Permissions

Table 401: Permissions for Query

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Target population: Admin Tools → Manage Permission Roles → Choose a permission role</td>
</tr>
<tr>
<td></td>
<td>1. Go to: Permission → Goals → Goal Plan Permissions → All Or Select Others</td>
</tr>
<tr>
<td></td>
<td>2. Add Target Population → Grant select yourself → Target Population select target user</td>
</tr>
<tr>
<td></td>
<td>Goal Plan Permission: Provisioning → Choose an instance → Import/Update/Export Objective Plan Template → Download a goal plan template → Add field id to read field permission in open goal plan template → Upload the goal plan template</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>User-based Permissions</td>
<td>View Goal Plan Permission: Admin Tools → Default User Permissions → Goal Plan Permissions → Choose one or more goal plan template</td>
</tr>
<tr>
<td></td>
<td>Target population: Admin Tools → Goals Target Population → Choose a user → Add Divisions, Departments, Locations or User to target population</td>
</tr>
<tr>
<td></td>
<td>Goal Plan Permission: Provisioning → Choose an instance → Import/Update/Export Objective Plan Template → Download a goal plan template → Add field id to read field permission in open goal plan template → Upload the goal plan template</td>
</tr>
</tbody>
</table>

Table 402: Permissions to Add or Modify Personal Goal

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Target population: Admin Tools → Manage Permission Roles → Choose a permission role</td>
</tr>
<tr>
<td></td>
<td>1. Go to: Permission → Goals → Goal Plan Permissions → All Or Select Others</td>
</tr>
<tr>
<td></td>
<td>2. Add Target Population → Grant select yourself → Target Population select target user</td>
</tr>
<tr>
<td></td>
<td>Goal Plan Permission: Provisioning → Choose an instance → Import/Update/Export Objective Plan Template → Download a goal plan template → Add field id to write field permission in open goal plan template → Upload the goal plan template</td>
</tr>
</tbody>
</table>
Table 403: Permissions to Add or Modify Group Goal

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
</table>
| User-based Permissions | **View Goal Plan Permission:** Admin Tools > Default User Permissions > Goal Plan Permissions  
Choose one or more goal plan template  
**Target population:** Admin Tools > Goals Target Population > Choose a user > Add Divisions, Departments, Locations or User to target population |

| User-based Permissions | **Goal Plan Permission:** Provisioning > Choose an instance > Import/Update/Export Objective Plan Template > Download a goal plan template > Add field id to write field permission in open goal plan template > Upload the goal plan template |

Table 404: Permissions to Delete Personal Goal

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
</table>
| Role-based | **Target population:** Admin Tools > Manage Permission Roles > Choose a permission role  
1. Go to Permissions > Goals > Goal Plan Permissions > All Or Select Others > Check New Add Group Goal Creation  
2. Add Target Population > Grant select yourself > Target Population select target user |

| User-based Permissions | **Goal Plan Permission:** Provisioning > Choose an instance > Import/Update/Export Objective Plan Template > Download a goal plan template > Add permission for delete > Upload the goal plan template |

| User-based Permissions | **View Goal Plan Permission:** Admin Tools > Default User Permissions > Goal Plan Permissions  
Choose one or more goal plan template  
**Target population:** Admin Tools > Goals Target Population > Choose a user > Add Divisions, Departments, Locations or User to target population |

| User-based Permissions | **Goal Plan Permission:** Provisioning > Choose an instance > Import/Update/Export Objective Plan Template > Download a goal plan template > Add permission for delete > Upload the goal plan template |
Table 405: Permissions to Delete Group Goal

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td><strong>Target population:</strong> Admin Tools &gt; Manage Permission Roles &gt; Choose a permission role</td>
</tr>
<tr>
<td></td>
<td>1. Go to Permission &gt; Goals &gt; Goal Plan Permissions &gt; All Or Select Others &gt; Check New Add Group Goal Creation</td>
</tr>
<tr>
<td></td>
<td>2. Add Target Population &gt; Grant select yourself &gt; Target Population select target user</td>
</tr>
<tr>
<td>User-based Permissions</td>
<td><strong>View Goal Plan Permission:</strong> Admin Tools &gt; Default User Permissions &gt; Goal Plan Permissions &gt; Choose one or more goal plan template</td>
</tr>
<tr>
<td></td>
<td><strong>Target population:</strong> Admin Tools &gt; Goals Target Population &gt; Choose a user &gt; Add Divisions, Departments, Locations or User to target population</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

- Provisioning > Choose an instance > Company Settings > Objective Management Suite > Total Objective Management
- Provisioning > Choose an instance > Company Settings > TGM Version 10 UI
- Provisioning > Choose an instance > Company Settings > My Objectives Tab - For V10 and Ultra

Operations Allowed

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>filter=userId eq ‘userId’ or goal id is required in a query. Field readable permission.</td>
</tr>
<tr>
<td>PUT</td>
<td>Standard OData call.</td>
</tr>
<tr>
<td>MERGE</td>
<td>Standard OData call.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Standard OData call.</td>
</tr>
<tr>
<td>UPSERT/POST</td>
<td>Standard OData call.</td>
</tr>
</tbody>
</table>

Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Goal id</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Type</td>
<td>Personal goal or new group goal</td>
</tr>
<tr>
<td>userId</td>
<td>Goal assignee</td>
</tr>
<tr>
<td>Flag</td>
<td>Public goal or private goal</td>
</tr>
<tr>
<td>mltAchievementType</td>
<td>Target achievement type for a goal.</td>
</tr>
<tr>
<td>category</td>
<td>Goal category.</td>
</tr>
<tr>
<td>guid</td>
<td>guid for the goal.</td>
</tr>
<tr>
<td>name</td>
<td>Goal name, sometimes relabeled as goal description. This is the only field</td>
</tr>
<tr>
<td></td>
<td>that needs to be defined.</td>
</tr>
<tr>
<td>desc</td>
<td>Description of the goal.</td>
</tr>
<tr>
<td>weight</td>
<td>The value in this field is used to auto-populate the objective weight when</td>
</tr>
<tr>
<td></td>
<td>the goal is added to a PM form. If configured as enum, the value is used</td>
</tr>
<tr>
<td></td>
<td>in the form not the label, e.g. &lt;enum-value value=&quot;3&quot;&gt;; if configured as</td>
</tr>
<tr>
<td></td>
<td>text, the text value entered is used verbatim.</td>
</tr>
<tr>
<td>state</td>
<td>Typically presented as a drop down list of values with colors to report</td>
</tr>
<tr>
<td></td>
<td>the goal state or status. It is used as such in dashboard reports. Limited</td>
</tr>
<tr>
<td></td>
<td>to 128 characters. Often labeled “Status”.</td>
</tr>
<tr>
<td>start</td>
<td>Goal start date - auto-populated with the start date defined in the &lt;obj-</td>
</tr>
<tr>
<td></td>
<td>plan-start&gt; template tag.</td>
</tr>
<tr>
<td>due</td>
<td>Goal due date - auto-populated with the due date defined in the &lt;obj-plan-</td>
</tr>
<tr>
<td></td>
<td>due&gt; template tag. The format defined by the selected language pack</td>
</tr>
<tr>
<td>done</td>
<td>Percentage done. Displayed as a whole number with a graphical “progress”</td>
</tr>
<tr>
<td></td>
<td>bar.</td>
</tr>
<tr>
<td>metric</td>
<td>Used to describe how a goal will be measured, in other words, success</td>
</tr>
<tr>
<td></td>
<td>criteria.</td>
</tr>
<tr>
<td>actualAchievement</td>
<td>Actual achievement.</td>
</tr>
<tr>
<td>actualAchievementText</td>
<td>Text for the actual achievement.</td>
</tr>
<tr>
<td>rating</td>
<td>rating</td>
</tr>
<tr>
<td>bizxStrategic</td>
<td>bizxStrategic</td>
</tr>
<tr>
<td>bizxActual</td>
<td>bizxActual</td>
</tr>
</tbody>
</table>
### Navigation Properties

Table 408:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tasks</td>
<td>COTGMMilestoneEntity</td>
<td>Goal and tasks association</td>
</tr>
<tr>
<td>milestones</td>
<td>COTGMMilestoneEntity</td>
<td>Goal and milestones association</td>
</tr>
<tr>
<td>targets</td>
<td>COTGMMilestoneEntity</td>
<td>Goal and targets association</td>
</tr>
<tr>
<td>metriclookup</td>
<td>COTGMMMLTEntity</td>
<td>Goal and metriclookup association</td>
</tr>
<tr>
<td>Comment</td>
<td>COTGMCommentEntity</td>
<td>Goal and comment association</td>
</tr>
</tbody>
</table>
Use Cases

Table 409:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;hostname&gt;/odata/v2/Goal_1? $format=json&amp;filter=userId eq 'cgrant1'&amp;expand=milestones</td>
<td>Query Goals of cgrant in goal plan id 1</td>
</tr>
<tr>
<td>&lt;hostname&gt;/odata/v2/Goal_1 body: {&quot;userId&quot;:&quot;cgrant1&quot;,&quot;type&quot;:&quot;user&quot;,&quot;flag&quot;:0,&quot;name&quot;:&quot;goal name&quot;,&quot;category&quot;:&quot;Other&quot;}</td>
<td>Add a goal name “goal name”. Insert operation.</td>
</tr>
</tbody>
</table>
### Error Codes

Table 410:

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>Query or edit fail.</td>
</tr>
<tr>
<td>401</td>
<td>Query or edit fail.</td>
</tr>
<tr>
<td>500</td>
<td>Query or edit fail.</td>
</tr>
</tbody>
</table>

### 16.2 COTGMMilestoneEntity

COTGMMilestoneEntity represents the milestone based sub goal entities, tasks, milestones and targets. These entities include all standard fields configured in goal plan templates. Like a goal entity, it is also specified by goal plan id.

### Related Information

COTGMOBJECTIVEENTITY [page 467]
16.3 COTGMMMLTEntity

COTGMMMLTEntity represents the metric lookup sub goal entities, including all standard fields configured in goal plan templates. Like a goal entity, it is also specified by goal plan id.

Related Information

COTGMOObjectiveEntity [page 467]

16.4 COTGMCCommentEntity

COTGMCCommentEntity represents the comment entities. It is also specified by goal plan id like goal entity.

Properties

Table 411:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Metriclookup id</td>
</tr>
<tr>
<td>objId</td>
<td>Goal id</td>
</tr>
<tr>
<td>lastModified</td>
<td>last modified date</td>
</tr>
<tr>
<td>commentator</td>
<td>commentator</td>
</tr>
<tr>
<td>content</td>
<td>content</td>
</tr>
</tbody>
</table>

Related Information

COTGMOObjectiveEntity [page 467]
16.5 GoalPlanTemplate

GoalPlanTemplate can be used to access goal plan templates. Currently we are allowing only query operation not the edit operations.

Permissions

Table 412:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Role management Goal Select Goal Plan Template</td>
</tr>
<tr>
<td></td>
<td>• Enable TGM</td>
</tr>
<tr>
<td></td>
<td>• Enable TGM_V10 Enable GOALS_TAB</td>
</tr>
<tr>
<td>User-based</td>
<td>User Default Permission Select Goal Plan Template</td>
</tr>
<tr>
<td></td>
<td>• Enable TGM</td>
</tr>
<tr>
<td></td>
<td>• Enable TGM_V10 Enable GOALS_TAB</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 413:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Fetch a GoalPlanTemplate entity</td>
</tr>
</tbody>
</table>

Properties

Table 414:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>Id of the goal template</td>
</tr>
<tr>
<td>name</td>
<td>Name of the goal template</td>
</tr>
<tr>
<td>description</td>
<td>Description of the goal template</td>
</tr>
<tr>
<td>parentPlanId</td>
<td>Id of the parent goal plan.</td>
</tr>
<tr>
<td>displayOrder</td>
<td>Display order of the goal template</td>
</tr>
<tr>
<td>startDate</td>
<td>Goal start date</td>
</tr>
</tbody>
</table>
### Property Description

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>dueDate</td>
<td>Goal due date</td>
</tr>
</tbody>
</table>

### Navigation Properties

Table 415:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>goals</td>
<td>SimpleGoal</td>
<td></td>
</tr>
</tbody>
</table>

### Entity Relation Diagram

![Entity Relation Diagram]

### Use Cases

[If necessary, add any supplementary information about the use cases here]

Table 416:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>/odata/v2/GoalPlanTemplate</code></td>
<td>Query all goal plan templates</td>
</tr>
<tr>
<td><code>/odata/v2/GoalPlanTemplate?$expand=goals</code></td>
<td>Query all goal plan templates and expand associated goals</td>
</tr>
<tr>
<td><code>/odata/v2/getDefaultGoalPlanTemplateId</code></td>
<td>Query default goal plan template Id</td>
</tr>
</tbody>
</table>
16.6 SimpleGoal

The SimpleGoal entity provides a single and simple way to expand goals in the goal plan template.

Permissions

Table 417:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Role management</td>
</tr>
<tr>
<td></td>
<td>Goal</td>
</tr>
<tr>
<td></td>
<td>Select Goal Plan Template</td>
</tr>
<tr>
<td></td>
<td>Enable TGM</td>
</tr>
<tr>
<td></td>
<td>Enable TGM_V10</td>
</tr>
<tr>
<td></td>
<td>Enable GOALS_TAB</td>
</tr>
<tr>
<td>User-based</td>
<td>User Default Permission</td>
</tr>
<tr>
<td></td>
<td>Select Goal Plan Template</td>
</tr>
<tr>
<td></td>
<td>Enable TGM</td>
</tr>
<tr>
<td></td>
<td>Enable TGM_V10</td>
</tr>
<tr>
<td></td>
<td>Enable GOALS_TAB</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 418:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Fetch goals id and goal name properties by expanding from GoalPlanTemplate entity</td>
</tr>
</tbody>
</table>

Properties

Table 419:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>This is a primary key.</td>
</tr>
<tr>
<td>name</td>
<td>Name of the simple goal</td>
</tr>
<tr>
<td>type</td>
<td>Type of simple goal</td>
</tr>
<tr>
<td>userid</td>
<td>user ID associated with the simple goal</td>
</tr>
<tr>
<td>flag</td>
<td></td>
</tr>
</tbody>
</table>
Navigation Properties

Table 420:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GoalPlanTemplate_SimpleGoal</td>
<td>GoalPlanTemplate</td>
<td></td>
</tr>
</tbody>
</table>

Entity Relation Diagram

Use Cases

[If necessary, add any supplementary information about the use cases here]

Table 421:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Enter the API call code here]</td>
<td>[Enter a description here]</td>
</tr>
<tr>
<td>[Enter the API call code here]</td>
<td>[Enter a description here]</td>
</tr>
<tr>
<td>[Enter the API call code here]</td>
<td>[Enter a description here]</td>
</tr>
</tbody>
</table>
17 Employee Profile

17.1 Current Dashboard Types

The following is the list of available dashboards. The API currently returns the `scorecard` and `publicprofile` type.

<table>
<thead>
<tr>
<th>Table 422:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>scorecard</strong></td>
</tr>
<tr>
<td>comptstatement</td>
</tr>
<tr>
<td>employmentHistory</td>
</tr>
<tr>
<td>payrollIntegration</td>
</tr>
<tr>
<td>payrollIntegration</td>
</tr>
</tbody>
</table>

17.2 EPProfileView

This entity is used to query dashboard configurations.

Permissions

<table>
<thead>
<tr>
<th>Table 423:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Permission System</strong></td>
</tr>
<tr>
<td>Role-based and User-based</td>
</tr>
</tbody>
</table>

Operations Allowed

<table>
<thead>
<tr>
<th>Table 424:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operation</strong></td>
</tr>
<tr>
<td>GET</td>
</tr>
</tbody>
</table>
Properties

Table 425:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>dashboardId</td>
<td>Every dashboard has its own ID. It is auto-generated from the system and is unique for each customer. The dashboard ID changes when a dashboard is deleted, added, or imported.</td>
</tr>
<tr>
<td>userId</td>
<td>The ID of the user who is currently logged in to the system.</td>
</tr>
<tr>
<td>dashboardTitle</td>
<td>Dashboard title. Set in Admin Tools Configure Employee Files which contains a list of all the dashboards. You can add a new view, modify the dashboard, or change the dashboard title in the Dashboard Name form.</td>
</tr>
<tr>
<td>dashboardType</td>
<td>There are 20 different dashboard types in the system.</td>
</tr>
</tbody>
</table>

Use Cases

Table 426:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>http:&lt;hostname&gt;/odata/v2/EPProfileView?$filter=userId eq 'admin'&amp;$format=json</td>
<td>Queries the dashboard configuration for a user whose ID is admin.</td>
</tr>
</tbody>
</table>

17.3 EPProfilePortlet

This entity queries and retrieves the list of user info and background portlets in the dashboard of the currently logged in user.

Permissions

Table 427:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based and User-based systems</td>
<td>The “LIVE_PROFILE” and “V12_PROFILE” permissions must be set in Provisioning. “LIVE_PROFILE_ACCESS” must be set in RBP Permission settings. The API also supports RBP and User-based permission settings.</td>
</tr>
</tbody>
</table>

Operations Allowed

The EPProfilePortlet entity only returns the user info portlets and background portlets in a dashboard of the currently logged in user. You cannot query portlet information of other users using this API.
Properties

Table 428:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>dashboardId</td>
<td>Every dashboard has its own dashboard ID. It is auto-generated from the system and specific to each customer. DashboardId changes when dashboard is deleted/added/imported.</td>
</tr>
<tr>
<td>portletId</td>
<td>In a dashboard, every portlet has its own portlet ID. If a new portlet is created in a dashboard, it has a new portletId. The portlet ID is used by the EPProfileUserInfoPortlet query.</td>
</tr>
<tr>
<td>userId</td>
<td>The ID of the user who is currently logged in to the system.</td>
</tr>
<tr>
<td>backgroundElementId</td>
<td>The ID of the background element.</td>
</tr>
<tr>
<td>instructionalText</td>
<td>The instructional text for the portlet.</td>
</tr>
<tr>
<td>isEditable</td>
<td>A boolean indicating whether the portlet can be edited.</td>
</tr>
<tr>
<td>isFeedbackPortlet</td>
<td>Identifies whether feedback is allowed for the portlet.</td>
</tr>
<tr>
<td>portletLabel</td>
<td>The label of the portlet.</td>
</tr>
<tr>
<td>portletType</td>
<td>The type of the portlet.</td>
</tr>
</tbody>
</table>

Use Cases

Table 429:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>http://&lt;hostname&gt;/odata/v2/EPProfilePortlet?$filter=userId eq 'admin' and dashboardId eq 'scorecard417'&amp;$format=json</td>
<td>Queries the portlets in the Talent Profile dashboard (dashboardId is scorecard417) for an Admin user.</td>
</tr>
</tbody>
</table>
17.4 EPProfileUserInfoPortlet

This entity queries and retrieves the list of user information and standard element IDs in a userinfo portlet.

Permissions

Table 430:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based and User-based</td>
<td>The &quot;LIVEPROFILE&quot; and &quot;V12PROFILE&quot; permissions must be set in Provisioning. &quot;LIVE_PROFILE_ACCESS&quot; must be set in RBP Permission settings. The API also supports RBP and user-based permission settings.</td>
</tr>
</tbody>
</table>

Operations Allowed

The EPProfileUserInfoPortlet entity supports querying the userinfo portlets and standard element IDs in a dashboard of only the currently logged in user.

Properties

Table 431:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>dashboardId</td>
<td>Every dashboard has its own unique ID. It is auto-generated from the system and specific to each customer. The dashboard ID changes when it is deleted, added, or imported.</td>
</tr>
<tr>
<td>portletId</td>
<td>In a dashboard, every portlet has its own portlet ID. If a new portlet is created in a dashboard, it has a new portlet ID. The portlet ID is used by the EPProfileUserInfoPortlet query.</td>
</tr>
<tr>
<td>userId</td>
<td>The ID of a user who is currently logged in to the system.</td>
</tr>
<tr>
<td>isPll</td>
<td></td>
</tr>
<tr>
<td>isWritable</td>
<td></td>
</tr>
<tr>
<td>standardOrUserInfoElementId</td>
<td></td>
</tr>
</tbody>
</table>
Use Cases

Table 432:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>http://&lt;hostname&gt;/odata/v2/EPProfileUserInfoPortlet?$filter=userId eq 'admin' and dashboardId eq 'scorecard417' and portletId eq 'p_0_1'&amp;$format=json</td>
<td>Queries the elements in the Employee Information Portlet (portletId is p_0_1) in the Talent Profile (dashboardId is scorecard417) for a user whose userId is &quot;admin&quot;.</td>
</tr>
</tbody>
</table>

17.5 EPPublicProfile

This entity provides public profile information that is not already available in other OData APIs. For example, "About Me" videos, "My Name" audio recordings, and "Introduction" text.

Permissions

Set "Enable Public Profile" in Provisioning.

Operations Allowed

You can query or update the EPPublicProfile entity based on permission settings for the currently logged in user.

Use Cases

Table 433:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>http://&lt;hostname&gt;/odata/v2/EPPublicProfile?$filter=userId eq 'admin'&amp;$format=json</td>
<td>Queries the EPPublicProfile.</td>
</tr>
</tbody>
</table>
17.6 BadgeTemplates

This entity provides information about badge templates.

Permissions

Permissions for the BadgeTemplates entity are the same as the permissions for user badges in the SuccessFactors HCM user interface.

Operations Allowed

Table 434:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUERY</td>
<td>Query badge templates.</td>
</tr>
</tbody>
</table>

Properties

Table 435:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>badgeInstanceId</td>
<td>The unique identifier for a badge template record.</td>
</tr>
<tr>
<td>userId</td>
<td>The owner of user badge template information. The API returns templates for the currently logged in user if no userId is specified.</td>
</tr>
<tr>
<td>customBadge</td>
<td>True if the template is custom.</td>
</tr>
<tr>
<td>photo</td>
<td>A link to the photo associated with the template.</td>
</tr>
</tbody>
</table>

Navigation properties

None.
**Use Cases**

Table 436:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET https://&lt;localhost&gt;/odata/v2/</td>
<td>Queries badge templates.</td>
</tr>
<tr>
<td>BadgeTemplates?$format</td>
<td></td>
</tr>
</tbody>
</table>

17.7 **UserBadges**

This entity exposes user badge information for a specified user.

**Permissions**

Permissions for the UserBadges entity are the same as the permissions for user badges in the SuccessFactors HCM user interface.

**Operations Allowed**

Table 437:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUERY</td>
<td>Query user badge information for a specified user.</td>
</tr>
<tr>
<td>INSERT</td>
<td>Give a badge to another user (not to self).</td>
</tr>
<tr>
<td>DELETE</td>
<td>Delete the badges given to the logged in user, or delete badges that the logged in user gave other users.</td>
</tr>
</tbody>
</table>

**Properties**

Table 438:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>badgeInstanceId</td>
<td>The unique identifier for a user badge record.</td>
</tr>
<tr>
<td>userId</td>
<td>The unique ID for the badge owner. The API returns badges for the currently logged in user if no userId is specified.</td>
</tr>
<tr>
<td>badgeCreatorName</td>
<td>The name of the person who created the badge.</td>
</tr>
</tbody>
</table>
### Property Description

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>badgeId</td>
<td>The ID of the badge.</td>
</tr>
<tr>
<td>badgeTitle</td>
<td>The title of the badge.</td>
</tr>
<tr>
<td>comment</td>
<td>Comment for the badge.</td>
</tr>
<tr>
<td>creatorUserID</td>
<td>The ID of the person who created the badge.</td>
</tr>
<tr>
<td>lastModified</td>
<td>The date and time on which the badge was created.</td>
</tr>
<tr>
<td>photo</td>
<td>The photo for the badge.</td>
</tr>
</tbody>
</table>

### Navigation Properties

None.

### Use Cases

Table 439:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET /odata/v2/BadgeTemplates?$format=json</td>
<td>Queries badge templates.</td>
</tr>
<tr>
<td>/odata/v2/UserBadges?$filter=userId eq 'admin'&amp;$format=json</td>
<td>Queries the user’s badge.</td>
</tr>
<tr>
<td>GET /odata/v2/UserBadges?$format=json</td>
<td>Queries logged in user’s badges.</td>
</tr>
<tr>
<td>POST /odata/v2/UserBadges?$format=json { “badgeInstanceId” : -1, “userId” : “admin”, “badgeId” : 2, “great job” : “kudos” }</td>
<td>Assigns a user badge to someone. For example, Admin.</td>
</tr>
<tr>
<td>DELETE /odata/v2/UserBadges?badgeInstanceId=450,userId='admin'&amp;$format=json</td>
<td>Deletes a user badge.</td>
</tr>
</tbody>
</table>

### 17.8 Background

The background includes several entities, which are based on the Succession Data Model. In most cases, each background-element tag corresponds with an entity. In some cases, the fields are hardcoded and not configured in the data model, such as in rating (or “trend”) background elements and the sysLearningHistory element. Each entity name consists of two parts. The first is a prefix “Background_”. The second is background-element id which
is configured in datamodel, but we convert the first letter to uppercase. For example, if the background-element Id is "insideWorkExperience" in the data model, then the entity name is “Background_InsideWorkExperience”.

**Note about Limitation:** Because we convert the first letter of background-element id to uppercase, if you configure two background elements and the difference between their background-element id is only the first letter (for example, “insideWorkExperience” and “InsideWorkExperience”), this may cause some problems -- two entities with same entity name. This would mean that when you query or edit (insert or upsert) operations on this entity, we can’t make sure that the operation was performed on the correct entity. So if you want to use our API, please make sure your datamodel does not have two background-elements where the difference between their background-element id is only the first letter (the letter is same, but one is uppercase and the other is lowercase).

The business keys for each entity are backgroundElementId and userId.

**Permissions**

As of b1408, this API only supports batch or non-batch QUERY operations. Batch query operation means you can query multiple users’ background information a time and non-batch query operation means querying single user’s information. If you want to perform a batch query operation, you should grant “Export Extended User Information” authorization to the user in admin tools.

API only supports single-user, non-batch EDIT operations (insert and upsert).

ODATA Background API supports both RBP and Non-RBP permission check same as in Employee Profile UI.

**Operations Allowed**

Table 440:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Three kinds of GET (query) operations are supported:</td>
</tr>
<tr>
<td></td>
<td>1. Query logged in user’s background.</td>
</tr>
<tr>
<td></td>
<td>2. Sort a result.</td>
</tr>
</tbody>
</table>

**i Note**

When we use API to get query operation results for this entity, the order of all properties in each record has no relationship with order of each field as configured in the data model, or in the web UI display. If you want to get the column order, please refer to the EPCustomBackgroundPortlet entity.

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELETE</td>
<td>Delete a background record.</td>
</tr>
<tr>
<td>UPSERT/POST</td>
<td>Insert or Upsert a background record.</td>
</tr>
<tr>
<td></td>
<td>Global Assignment operations are supported.</td>
</tr>
</tbody>
</table>
2. The API can’t do the URL-LINK validation (Display Name required validation and URL regex validation)
3. The API doesn’t support any operations on attachment data-fields.
4. The API doesn’t support Global Assignment for batch query operation.

Properties

Table 441:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>userId</td>
<td>The owner of the background information. This is a required field for insert, update and delete operations.</td>
</tr>
<tr>
<td>backgroundElementId</td>
<td>backgroundElementId = 0 for an upsert operation and is its original value for an update or delete operation.</td>
</tr>
<tr>
<td>bgOrderPos</td>
<td>The order of display in the UI for each column. This field is required for an update operation.</td>
</tr>
</tbody>
</table>

Navigation Properties

None by default. When some properties are configured as picklist, then the entity has some navigation properties. A developer should add a suffix “Nav” for each of these custom navigation property. For example, if the picklist property name is “division”, then the navigation property name should be “divisionNav”.

Entity Relation Diagram

If some properties of this entity are configured as a picklist, then this entity has a one-to-one association with the PicklistOption entity. Otherwise this entity has no relationship with other entities.

Use Cases

Table 442:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET /odata/v2/Background_InsideWorkExperience? $filter=userId eq 'admin'&amp;$format=json HTTP/1.1</td>
<td>Query one’s background information.</td>
</tr>
<tr>
<td>API Call</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>GET odata/v2/Background_InsideWorkExperience? $filter=userId eq 'admin'&amp; $orderby=bgOrderPos desc&amp;$format=json HTTP/1</td>
<td>Query one’s background information and sort the result as descending order.</td>
</tr>
<tr>
<td>GET odata/v2/Background_InsideWorkExperience? $filter=userId eq 'admin'&amp; $orderby=bgOrderPos desc&amp; $expand=divisionNav/picklistLabels&amp; $format=json HTTP/1.1</td>
<td>Navigation, query picklist label Example: Property “division” is configured as a picklist in datamodel</td>
</tr>
<tr>
<td>odata/v2/Background_InsideWorkExperience? $format=json HTTP/1.1</td>
<td>Query all user’s background information.</td>
</tr>
<tr>
<td>GET /odata/v2/Background_InsideWorkExperience? $filter=userId eq 'admin' or userId eq 'MultJob1'&amp;$format=json HTTP/1.1</td>
<td>Batch query operation: Example: query multiple users (“admin” and “MultJob1”) background information. You can specify any numbers of target users by youself.</td>
</tr>
<tr>
<td>POST /odata/v2/Background_InsideWorkExperience?$ HTTP/1.1</td>
<td>Insert operation. Insert a new record for a Background_InsideWorkExperience entity</td>
</tr>
</tbody>
</table>

```json
{  "usersId" : "MultJob1",  "testDate" : null,  "startDate" : "/Date(1388563200000)/",  "title" : "test12",  "testVarchar" : 
  "test4"[http://www.example.com]",  "endDate" : "/Date(1388563200000)/",  "testInteger" : 0,  "testFloat" : null,  "division":"240",  //division is configured as a picklist, insert the picklist option Id }
```
<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POST /odata/v2/upsert?$ HTTP/1.1 {</td>
<td>Upsert(insert) Insert operation. Insert a new record for the</td>
</tr>
<tr>
<td>&quot;__metadata&quot;:{&quot;uri&quot;:&quot;</td>
<td></td>
</tr>
<tr>
<td>Background_InsideWorkExperience &quot;),&quot; backgroundElementId &quot; :0, //</td>
<td></td>
</tr>
</tbody>
</table>
| backgroundElementId=0 means this is the insert operation
| "usersId": "MultJob1",                                                  |
| "bgOrderPos":-1, //Here set the bgOrderPos<0                          |
| "testDate": null,                                                      |
| "startDate": "/Date(1388563200000)/",                                 |
| "title": "test12",                                                     |
| "testVarchar": "[test4][http://www.baidu.com]",                       |
| "endDate": "/Date(1388563200000)/",                                   |
| "testInteger": 0,                                                      |
| "testFloat": null,                                                     |
| "division":"240", //division is configured as a picklist,insert the |                                                                 |
| picklist option Id                                                      |                                                                 |
| }                                                                      |                                                                 |
| POST /odata/v2/upsert?$ HTTP/1.1 {                                   | Upsert(update) update operation. Update the record for a        |
| "__metadata":{"uri":"                                                  |
| Background_InsideWorkExperience ")," backgroundElementId " :234, //   |
| backgroundElementId!=0 means this is the update operation, the id "234"|                                                                 |
| is the original ID                                                      |
| "usersId": "MultJob1",                                                 |
| "bgOrderPos":10, // bgOrderPos=10, original bgOrderPos                 |
| "testDate": null,                                                      |
| "startDate": "/Date(1388563200000)/",                                 |
| "title": "test12",                                                     |
| "testVarchar": "[test4][http://www.baidu.com]",                       |
| "endDate": "/Date(1388563200000)/",                                   |
| "testInteger": 0,                                                      |
| "testFloat": null,                                                     |
| "division":"240",                                                     |                                                                 |
| }                                                                      |                                                                 |
| DELETE /odata/v2/                                                        | Delete a record for the Background_InsideWorkExperience entity  |
| Background_InsideWorkExperience (backgroundElementId                   |                                                                 |
| =2807L,userId='admin')?$format=json HTTP/1.1                         |                                                                 |
18  Job Profile Builder

18.1  CompetencyEntity

This entity is a basic library that describes employee competencies, both physical and intellectual. It mapped to a job role or job family.

Permissions

Table 443:

<table>
<thead>
<tr>
<th>Permission Model</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Manage Permission Roles &gt; all_perm</td>
</tr>
<tr>
<td></td>
<td>&gt; Permission &gt; Manage Job Profile Builder &gt; Manage Job Profiles Content &gt; Select View.</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 444:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a competency by guid or business properties.</td>
</tr>
</tbody>
</table>

Properties

Table 445:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>rowId</td>
<td>The row ID.</td>
</tr>
<tr>
<td>internalId</td>
<td>The internal ID.</td>
</tr>
<tr>
<td>externalCode</td>
<td>The external competency code.</td>
</tr>
<tr>
<td>name</td>
<td>The competency name.</td>
</tr>
<tr>
<td>libName</td>
<td>The name of the competency library.</td>
</tr>
<tr>
<td>category</td>
<td>The competency category.</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>description</td>
<td>The competency description.</td>
</tr>
<tr>
<td>core</td>
<td>Indicate if it is a core competency.</td>
</tr>
<tr>
<td>status</td>
<td>The status of the competency.</td>
</tr>
<tr>
<td>createdBy</td>
<td>The ID of the person who created the competency.</td>
</tr>
<tr>
<td>createdDate</td>
<td>The date on which the competency was created.</td>
</tr>
<tr>
<td>lastModifiedBy</td>
<td>The ID of the person who last modified the competency.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>The date on which the competency was modified.</td>
</tr>
</tbody>
</table>

### Navigation Properties

Table 446:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>behaviors</td>
<td>BehaviorMappingEntity</td>
<td>A one-to-many association between CompetencyEntity and BehaviorMappingEntity. Each CompetencyEntity can have zero or more behaviors.</td>
</tr>
<tr>
<td>statusNav</td>
<td>statusNav</td>
<td></td>
</tr>
</tbody>
</table>

### Use Cases

Table 447:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/odata/v2/CompetencyEntity?$format=json</td>
<td>Queries all competencies.</td>
</tr>
</tbody>
</table>
18.2 FamilyEntity

This entity is the primary classification of a job, which is also known as job family.

Permissions

Table 448:

<table>
<thead>
<tr>
<th>Permission Model</th>
<th>Configuration</th>
</tr>
</thead>
</table>
| Role-based       | Go to Admin Tools > Manage Permission Roles > Choose a permission role.  
|                  | Permission > Manage Job Profile Builder > Manage Job Profile Content > Select View |

Operations Allowed

Table 449:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a family by guid or business properties.</td>
</tr>
</tbody>
</table>

Properties

Table 450:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>rowId</td>
<td>The row ID.</td>
</tr>
<tr>
<td>internalId</td>
<td>The internal ID.</td>
</tr>
<tr>
<td>externalCode</td>
<td>The customer oriented ID or GUID.</td>
</tr>
<tr>
<td>name</td>
<td>The family name.</td>
</tr>
<tr>
<td>createdLocale</td>
<td>This property is only used for JDM1.0.</td>
</tr>
<tr>
<td>status</td>
<td>The status of the family.</td>
</tr>
<tr>
<td>createdBy</td>
<td>The person who created the family.</td>
</tr>
<tr>
<td>createdDate</td>
<td>The date on which the family was created.</td>
</tr>
<tr>
<td>lastModifiedBy</td>
<td>The person who last modified the family.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>The date on which the family was created.</td>
</tr>
</tbody>
</table>
Navigation Properties

Table 451:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>competencies</td>
<td>FamilyCompetencyMappingEntity</td>
<td>A one-to-many association between FamilyEntity and FamilyCompetencyMappingEntity. For each FamilyEntity, there can be zero or more family competency mappings. All job roles(RoleEntity) under this family will automatically inherit these family level competencies.</td>
</tr>
<tr>
<td>skills</td>
<td>FamilySkillMappingEntity</td>
<td>A one-to-many association between FamilyEntity and FamilySkillMappingEntity. For each FamilyEntity, there can be zero or more family skill mappings. All job roles(RoleEntity) under this family will automatically inherit these family level skills.</td>
</tr>
</tbody>
</table>

Use Cases

Table 452:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/odata/v2/FamilyEntity(externalCode='1000596')?&amp;format=json&amp;$select=externalCode,name_en_US</td>
<td>Query family whose externalCode equals to 1000596, the return data will only include en_US locale values.</td>
</tr>
<tr>
<td>/odata/v2/FamilyEntity?$format=json</td>
<td>Query all families.</td>
</tr>
</tbody>
</table>
18.3 JobDescTemplate

This entity stores the sections and styling information of a job profile in a Job Description template. The template is created for one or more job families.

Permissions

Table 453:

<table>
<thead>
<tr>
<th>Permission Model</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools ➔ Manage Permission Roles ➔ Choose a permission role. Permission ➔ Manage Job Profile Templates</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 454:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a template by guid or business properties.</td>
</tr>
</tbody>
</table>

Properties

Table 455:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>rowId</td>
<td>The row ID.</td>
</tr>
<tr>
<td>internalId</td>
<td>An internal ID.</td>
</tr>
<tr>
<td>externalCode</td>
<td>An external code.</td>
</tr>
<tr>
<td>title</td>
<td>The job description template title.</td>
</tr>
<tr>
<td>status</td>
<td>The status of the job template.</td>
</tr>
<tr>
<td>createdBy</td>
<td>The ID of the person who created the job description template.</td>
</tr>
<tr>
<td>createdDate</td>
<td>The date on which the job description template was created.</td>
</tr>
<tr>
<td>lastModifiedBy</td>
<td>The ID of the person who last modified the job description template.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>The date on which the job description template was modified.</td>
</tr>
<tr>
<td>subModule</td>
<td>Indicates the sub-job template that is used by RCM.</td>
</tr>
</tbody>
</table>
Navigation Properties

Table 456:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>jdFamilyMappings</td>
<td>JDTemplateFamilyMapping</td>
<td>A one-to-many association between JobDescTemplate and JDTemplateFamilyMapping. For each JobDescTemplate, there can be one or more associated JDTemplateFamilyMappings.</td>
</tr>
<tr>
<td>sections</td>
<td>JobDescSection</td>
<td>A one-to-many association between JobDescTemplate and JobDescSection. For each JobDescTemplate, there can be zero or more associated JobDescSection.</td>
</tr>
</tbody>
</table>

Use Cases

The Successfactors module JPB(Job Profile Builder) owns the JobDescTemplate, and will write JobDescTemplate data into the GENERIC_OBJECT_T table. You can query JobDescTemplate using the JobDescTemplate oData API:

Table 457:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/odata/v2/JobDescTemplate(externalCode='1035402')?$format=json&amp;expand=jdFamilyMappings,sections</td>
<td>Queries the job the profile template with the externalCode&quot;1035402&quot;. The returned data only includes en_US locale values.</td>
</tr>
<tr>
<td>/odata/v2/JobDescTemplate?$format=json</td>
<td>Queries all job profile templates.</td>
</tr>
</tbody>
</table>
### 18.4 JobProfile

This entity stores the detailed profiling information of a job. It inherits all of the competency and skill information from a job role and describes additional job information, such as education, certification, and physical requirements.

#### Permissions

Table 458:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to search type: Object Definition, search value: Job Profile &gt; Take Action: Make correction&lt;br&gt;Security: change to Yes&lt;br&gt;Permission Category: change to Manage Job &amp; Skill Profile Visibility Click Save.&lt;br&gt;Go to Admin Tools Manage Permission Roles Choose a permission role. Go to Permission Manage Job &amp; Skill Profile Visibility Job Profile Select View.</td>
</tr>
</tbody>
</table>

#### Operations Allowed

Table 459:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a job profile by guid or business properties.</td>
</tr>
<tr>
<td>UPSERT/POST/MERGE/PUT</td>
<td>Update a job profile.</td>
</tr>
</tbody>
</table>

#### Properties

externalCode(guid) and business properties are required while querying profiles.

Table 460:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>rowId</td>
<td>The row ID.</td>
</tr>
<tr>
<td>internalId</td>
<td>An internal ID.</td>
</tr>
<tr>
<td>externalCode</td>
<td>An external code.</td>
</tr>
<tr>
<td>template</td>
<td>A job template.</td>
</tr>
<tr>
<td>name</td>
<td>The job profile name.</td>
</tr>
<tr>
<td>draft</td>
<td>Indicates that the job profile has not been activated.</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>position</td>
<td>Indicates whether the profile is a role or position profile.</td>
</tr>
<tr>
<td>subModule</td>
<td>Indicates the sub-job profile type, like jobReqProfile which is used in RCM.</td>
</tr>
</tbody>
</table>

### Navigation Properties

Table 461:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>jobProfileRoleMappings</td>
<td>JobProfileRoleMappingEntity</td>
<td>A one-to-many association between JobProfile and JobProfileRoleMappingEntity. For each JobProfile, there has to be at least one associated JobProfileRoleMappingEntity. In JPB, a job profile is the extension of a job role.</td>
</tr>
<tr>
<td>certificationContents</td>
<td>CertificationContent</td>
<td>A one-to-many association between JobProfile and CertificationContent. For each JobProfile, there can be zero or more associated CertificationContents.</td>
</tr>
<tr>
<td>competencyContents</td>
<td>CompetencyContent</td>
<td>A one-to-many association between JobProfile and CompetencyContent. For each JobProfile, there can be zero or more associated CompetencyContents.</td>
</tr>
<tr>
<td>educationDegreeContents</td>
<td>educationDegreeContents</td>
<td>A one-to-many association between JobProfile and EducationDegreeContent. For each JobProfile, there can be zero or more associated EducationDegreeContents.</td>
</tr>
<tr>
<td>educationMajorContents</td>
<td>educationMajorContents</td>
<td>A one-to-many association between JobProfile and EducationMajorContent. For each JobProfile, there can be zero or more associated EducationMajorContents.</td>
</tr>
<tr>
<td>employmentConditionContents</td>
<td>EmploymentConditionContent</td>
<td>A one-to-many association between JobProfile and EmploymentConditionContent. For each JobProfile, there can be zero or more associated EmploymentConditionContents.</td>
</tr>
<tr>
<td>Navigation Property</td>
<td>Related Entity</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>jobResponsibilityContents</td>
<td>JobResponsibilityContent</td>
<td>A one-to-many association between JobProfile and JobResponsibilityContent. For each JobProfile, there can be zero or more associated JobResponsibilityContents.</td>
</tr>
<tr>
<td>interviewQuestionContents</td>
<td>InterviewQuestionContent</td>
<td>A one-to-many association between JobProfile and InterviewQuestionContent. For each JobProfile, there can be zero or more associated InterviewQuestionContents.</td>
</tr>
<tr>
<td>physicalReqContents</td>
<td>PhysicalReqContent</td>
<td>A one-to-many association between JobProfile and PhysicalReqContent. For each JobProfile, there can be zero or more associated PhysicalReqContents.</td>
</tr>
<tr>
<td>relevantIndustryContents</td>
<td>RelevantIndustryContent</td>
<td>A one-to-many association between JobProfile and RelevantIndustryContent. For each JobProfile, there can be zero or more associated RelevantIndustryContents.</td>
</tr>
<tr>
<td>skillContents</td>
<td>SkillContent</td>
<td>A one-to-many association between JobProfile and SkillContent. For each JobProfile, there can be zero or more associated SkillContents.</td>
</tr>
<tr>
<td>shortDescriptions</td>
<td>JobProfileLocalizedData</td>
<td>A one-to-many association between JobProfile and JobProfileLocalizedData. For each JobProfile, there can be zero or more associated JobProfileLocalizedData. Here the JobProfileLocalizedData is used to store short description information.</td>
</tr>
<tr>
<td>longDescriptions</td>
<td>JobProfileLocalizedData</td>
<td>A one-to-many association between JobProfile and JobProfileLocalizedData. For each JobProfile, there can be zero or more associated JobProfileLocalizedData. Here the JobProfileLocalizedData is used to store long description information.</td>
</tr>
<tr>
<td>Navigation Property</td>
<td>Related Entity</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>headers</td>
<td>JobProfileLocalizedData</td>
<td>A one-to-many association between JobProfile and JobProfileLocalizedData. For each JobProfile, there can be zero or more associated JobProfileLocalizedData. Here the JobProfileLocalizedData is used to store header information.</td>
</tr>
<tr>
<td>footers</td>
<td>JobProfileLocalizedData</td>
<td>A one-to-many association between JobProfile and JobProfileLocalizedData. For each JobProfile, there can be zero or more associated JobProfileLocalizedData. Here the JobProfileLocalizedData is used to store footer information.</td>
</tr>
<tr>
<td>compDatas</td>
<td>JobProfileLocalizedData</td>
<td>A one-to-many association between JobProfile and JobProfileLocalizedData. For each JobProfile, there can be zero or more associated JobProfileLocalizedData. Here the JobProfileLocalizedData is used to store compensation information.</td>
</tr>
</tbody>
</table>

### Use Cases

The Successfactors module JPB(Job Profile Builder) owns JobProfile, and will write JobProfile data into the GENERIC_OBJECT_T table. You can query JobProfile from the JobProfile OData API.

Table 462:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/odata/v2/JobProfile(externalCode='1035961')?$format=json&amp;$expand=positionNav</td>
<td>Queries a job profile whose externalCode equals to 1035961 and expand position data.</td>
</tr>
<tr>
<td>/odata/v2/JobProfile?$format=json</td>
<td>Queries all job profiles.</td>
</tr>
</tbody>
</table>
18.5 RoleEntity

The secondary classification of a job. It usually refers to a particular job title and is also called a job role.

Permissions

Table 463:

<table>
<thead>
<tr>
<th>Permission Model</th>
<th>Configuration</th>
</tr>
</thead>
</table>
| Role-based       | Go to Admin Tools Manage Permission Roles. Choose a permission role.  
|                  | Go to Permission Manage Job Profile Builder Manage Job Profile Content. Select View. |

Operations Allowed

Table 464:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a role by guid or business properties.</td>
</tr>
</tbody>
</table>

Properties

Table 465:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>rowId</td>
<td>The row ID.</td>
</tr>
<tr>
<td>internalId</td>
<td>An internal ID.</td>
</tr>
<tr>
<td>externalCode</td>
<td>An external code.</td>
</tr>
<tr>
<td>name</td>
<td>The role name. A role only belongs to one family.</td>
</tr>
<tr>
<td>family</td>
<td>The family name.</td>
</tr>
<tr>
<td>createdLocale</td>
<td>The role created locale. This property used in JDM1.0.</td>
</tr>
<tr>
<td>status</td>
<td>The status of the role.</td>
</tr>
<tr>
<td>createdBy</td>
<td>The ID of the person who created the role.</td>
</tr>
<tr>
<td>createdDate</td>
<td>The date on which the role was created.</td>
</tr>
<tr>
<td>lastModifiedBy</td>
<td>The ID of the person who last modified the role.</td>
</tr>
</tbody>
</table>
### Property

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>lastModifiedDate</td>
<td>The date on which the role was modified.</td>
</tr>
</tbody>
</table>

### Navigation Properties

Table 466:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>jobCodeMappings</td>
<td>JobCodeMappingEntity</td>
<td>A one-to-many association between RoleEntity and JobCodeMappingEntity. For each RoleEntity, there can be zero or more mapped jobcodes. Jobcode(job classification) is usually used to connect to a certain employee in BizX.</td>
</tr>
<tr>
<td>roleSkillMappings</td>
<td>RoleSkillMappingEntity</td>
<td>A one-to-many association between RoleEntity and RoleSkillMappingEntity. For each RoleEntity, there can be zero or more role skill mappings.</td>
</tr>
<tr>
<td>roleCompetencyMappings</td>
<td>RoleCompetencyMappingEntity</td>
<td>A one-to-many association between RoleEntity and RoleCompetencyMappingEntity. For each RoleEntity, there can be zero or more role competency mappings.</td>
</tr>
<tr>
<td>roleTalentPoolMappings</td>
<td>RoleTalentPoolMappingEntity</td>
<td>A one-to-many association between FamilyEntity and RoleTalentPoolMappingEntity. For each RoleEntity, there can be zero or more role talent pool mappings. These mappings are used by Successfactors SCM module.</td>
</tr>
</tbody>
</table>

### Use Cases

The Successfactors HCM module JPB(Job Profile Builder) owns the RoleEntity, and will write RoleEntity data into the GENERIC_OBJECT_T table. You can query the RoleEntity using the RoleEntity oData API.

Table 467:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/odata/v2/RoleEntity(externalCode='1003068')?&amp;$format=json&amp;$select=externalCode,name_en_US,familyNav&amp;$expand=familyNav,familyNav/skills,familyNav/competencies</td>
<td>Queries the role with the externalCode &quot;1003068&quot;. The return data will only include en_US local values.</td>
</tr>
</tbody>
</table>
### API Call

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/odata/v2/RoleEntity?&amp;$format=json</td>
<td>Queries all roles.</td>
</tr>
</tbody>
</table>

## 18.6 SkillEntity

This entity is a basic library that is used to describe skills acquired through training. They are mapped to a job role or job family.

### Permissions

Table 468:

<table>
<thead>
<tr>
<th>Permission Model</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools &gt; Manage Permission Roles. Choose a permission role. Go to Permission &gt; Manage Job Profile Builder &gt; Manage Job Profile Content. Select View.</td>
</tr>
</tbody>
</table>

### Operations Allowed

Table 469:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a skill by guid or business properties.</td>
</tr>
</tbody>
</table>

### Properties

Table 470:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>rowId</td>
<td>The row ID.</td>
</tr>
<tr>
<td>internalId</td>
<td>An internal ID.</td>
</tr>
<tr>
<td>externalCode</td>
<td>An external code.</td>
</tr>
<tr>
<td>name</td>
<td>The skill name.</td>
</tr>
<tr>
<td>libName</td>
<td>The skill library name.</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
</tr>
<tr>
<td>category</td>
<td>The skill category.</td>
</tr>
<tr>
<td>group</td>
<td>The skill group.</td>
</tr>
<tr>
<td>definition</td>
<td>The skill definition.</td>
</tr>
<tr>
<td>proLevel1</td>
<td>The skill proficiency level 1.</td>
</tr>
<tr>
<td>proLevel2</td>
<td>The skill proficiency level 2.</td>
</tr>
<tr>
<td>proLevel3</td>
<td>The skill proficiency level 3.</td>
</tr>
<tr>
<td>proLevel4</td>
<td>The skill proficiency level 4.</td>
</tr>
<tr>
<td>proLevel5</td>
<td>The skill proficiency level 5.</td>
</tr>
<tr>
<td>status</td>
<td>The status of the role.</td>
</tr>
<tr>
<td>createdBy</td>
<td>The ID of the person who created the skill.</td>
</tr>
<tr>
<td>createdDate</td>
<td>The date on which the skill was created.</td>
</tr>
<tr>
<td>lastModifiedBy</td>
<td>The ID of the person who last modified the skill.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>The date on which the skill was modified.</td>
</tr>
</tbody>
</table>

**Navigation Properties**

None.

**Use Cases**

The SuccessFactors HCM module JPB(Job Profile Builder) owns the SkillEntity, and writes SkillEntity data into the GENERIC_OBJECT_T table.

Table 471:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/odata/v2/SkillEntity?&amp;$format=json</td>
<td>Queries all skills.</td>
</tr>
</tbody>
</table>
18.7 SkillProfile

This entity is the skill repository for a particular user. Upon creation, it automatically gets the user's skills defined in the corresponding job profile.

Permissions

Table 472:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Go to Admin Tools Configure Object Definition search type: Object Definition, search value: Skill Profile Take Action: Make correction Security: change to Yes Permission Category: change to Manage Job &amp; Skill Profile Visibility Click Save. Go to Admin Tools Manage Permission Roles Choose a permission role. Go to Permission Manage Job &amp; Skill Profile Visibility Skill Profile Select View.</td>
</tr>
</tbody>
</table>

Operations Allowed

Table 473:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a skill profile by the user ID.</td>
</tr>
</tbody>
</table>

Properties

Table 474:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>rowId</td>
<td>The row ID.</td>
</tr>
<tr>
<td>internalId</td>
<td>An internal ID.</td>
</tr>
<tr>
<td>externalCode</td>
<td>An external code.</td>
</tr>
<tr>
<td>createdBy</td>
<td>The ID of the person who created the skill.</td>
</tr>
<tr>
<td>createdDate</td>
<td>The ID of the person who created the skill.</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>lastModifiedBy</td>
<td>The ID of the person who last modified the skill.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>The date on which the skill was modified.</td>
</tr>
</tbody>
</table>

**Navigation Properties**

Table 475:

<table>
<thead>
<tr>
<th>Navigation Property</th>
<th>Related Entity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ratedSkills</td>
<td>RatedSkillMapping</td>
<td>A one-to-many association between SkillProfile and RatedSkillMapping. For</td>
</tr>
<tr>
<td></td>
<td></td>
<td>each SkillProfile, there can be zero or more RatedSkillMappings.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>for each SkillProfile, there can be zero or more SelfReportSkillMappings.</td>
</tr>
</tbody>
</table>

**Use Cases**

Table 476:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/odata/v2/SkillProfile(externalCode='cgrant1')?&amp;$format=json&amp;$expand=externalCodeNav,ratedSkills,selfReportSkills</td>
<td>Queries the skill profile whose externalCode(userId) is &quot;cgrant1&quot;, expanding user, rated skills and self report skills.</td>
</tr>
<tr>
<td>/odata/v2/SkillProfile?&amp;$format=json</td>
<td>Queries all skill profiles.</td>
</tr>
</tbody>
</table>
19 SuccessStoreContent

The SuccessStoreContent provides a single and simple way of accessing the content from the Success Store.

Permissions

Table 477:

<table>
<thead>
<tr>
<th>Permission System</th>
<th>Required Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role-based</td>
<td>Same as user permission for the Success Store module being accessed. If no permission is specified, normal provisioning user level permissions are applied.</td>
</tr>
<tr>
<td>User-based</td>
<td>Same as user permission for the Success Store module being accessed. If no permission is specified, normal provisioning user level permissions are applied.</td>
</tr>
</tbody>
</table>

Required Provisioning Settings

- "Manage Success Store Content Permission" link in Manage Provisioners page

Operations Allowed

Table 478:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Query a SuccessStoreContent entity. This is the only operation that is currently permitted.</td>
</tr>
</tbody>
</table>

Properties

Table 479:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>contentId</td>
<td>A unique Identifier given to each Content.</td>
</tr>
<tr>
<td>comments</td>
<td>Comments specific to the content.</td>
</tr>
<tr>
<td>publishOnDate</td>
<td>Publish date for the content.</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>expiryOnDate</td>
<td>Expiry date for the content.</td>
</tr>
<tr>
<td>customField</td>
<td>customField helps store any Content specific Information. Some times you can avoid parsing entire content by knowing just this piece of information.</td>
</tr>
<tr>
<td>Domain</td>
<td>Domain helps to store any Content specific Information. Some times you can avoid parsing entire content by knowing just this piece of information.</td>
</tr>
<tr>
<td>contentType</td>
<td>This column holds information about the type of content. e.g. COMPENSATION, REVIEW etc.</td>
</tr>
<tr>
<td>Status</td>
<td>Status of Content. e.g. Approved, Deleted etc</td>
</tr>
<tr>
<td>wizardable</td>
<td>Whether the content is showable in wizard.</td>
</tr>
<tr>
<td>default_content</td>
<td>Whether the content is the default content in its category.</td>
</tr>
<tr>
<td>bestPractice</td>
<td>Whether the content is the best practice content in its category.</td>
</tr>
<tr>
<td>revisionNo</td>
<td>The revision number of the content.</td>
</tr>
</tbody>
</table>

**Navigation Properties**

None.

**Use Cases**

Table 480:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;hostname&gt;/odata/v2/SuccessStoreContet? $filter=contentType eq 'COMPETENCY_LIB' and contentId eq '20110003'</td>
<td>Query a SuccessStoreContent by contentId.</td>
</tr>
<tr>
<td>&lt;hostname&gt;/odata/v2/SuccessStoreContet? $filter=contentType eq 'COMPETENCY_LIB' and contentId eq '20110003' and revisionNo eq '999'</td>
<td>Query for latest revision data.</td>
</tr>
<tr>
<td>&lt;hostname&gt;/odata/v2/SuccessStoreContet(20110001L)? $format=json</td>
<td>Query for exact contentId.</td>
</tr>
</tbody>
</table>
### API Call

- **API Call 1:**
  
  `<hostname>/odata/v2/SuccessStoreContent?$filter=contentType eq 'CDF'`

  **Description:** Query for a given contentType.

- **API Call 2:**
  
  `<hostname>/odata/v2/SuccessStoreContent(20110001L)/contentData?$format=json`

  **Description:** Query content blob data.

### Error Codes

**Table 481:**

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COE_GENERAL_BAD_REQUEST</td>
<td>• Dependent attributes not specified in the query. For example, revisionNo is dependent on contentId and it must be specified when querying for revisionNo.</td>
</tr>
<tr>
<td></td>
<td>• Invalid content Type or contentId values.</td>
</tr>
<tr>
<td></td>
<td>• Required parameter contentType not specified.</td>
</tr>
</tbody>
</table>
20 UI Commons

20.1 ThemeConfig

The ThemeConfig entity returns details of global style settings that are available for theming. This includes all necessary theming information such as CSS values for color, style definition, and configurations.

Properties

Table 482:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>The ID of the theme.</td>
</tr>
<tr>
<td>themeConfiguration</td>
<td>A collection of theme configurations.</td>
</tr>
</tbody>
</table>

Use Cases

If necessary, add any supplementary information about the use cases here.

Table 483:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET https://&lt;hostname&gt;/odata/v2/ThemeConfig</td>
<td>Query default theme configurations.</td>
</tr>
<tr>
<td>GET https://&lt;hostname&gt;/odata/v2/ThemeConfig('lightGrayPlacematBlueAccentNoTexture')</td>
<td>Query theme by ID.</td>
</tr>
</tbody>
</table>
20.2 ThemeTemplate

The ThemeTemplate entity returns current user’s global theme template in escaped HTML format. It also includes JavaScript, CSS, images, and i18n to build the header and footer.

API Call parameters

Following is the list of parameters for setting up the query:

Table 484:

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>moduleId</td>
<td>For this “ThemeTemplate” API, “moduleId” is a required param, and is your module name (could HOME, ADMIN or JAM). So the module picker will automatically select this module. (Note: make sure the module you request is available in your instance.)</td>
</tr>
<tr>
<td>useAbsPaths (optional)</td>
<td>All urls inside template uses absolute path or relative path. Default is true.</td>
</tr>
<tr>
<td>layoutType (optional)</td>
<td>Default=minimize</td>
</tr>
<tr>
<td>Breakdown (optional)</td>
<td>If this is on, instead of returning a full template, we will return template: will return null string. header: the HTML for only the header of the template. footer: the HTML for only the footer of the template. scripts: the HTML for all of the &lt;script&gt; tags needed for the template. This includes script js file and the html inline scripts. styles: the HTML for all of the &lt;link&gt; and &lt;style&gt; tags need for the template. This includes css files and the html inline styles. Otherwise, we will only return everything as a full template. Default is false.</td>
</tr>
<tr>
<td>includeTemplate</td>
<td>This is in additional to breakdown for debug purpose. So we will return the “template” content as well here, even though the content is redendent from above header/footer/scripts/styles sections. Default is false.</td>
</tr>
</tbody>
</table>
Use Cases

Table 485:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>https://&lt;hostname&gt;/odata/v2/ThemeTemplate?moduleId=HOME</td>
<td>Default request with limited parameters.</td>
</tr>
<tr>
<td>https://&lt;domain&gt;/odata/v2/ThemeTemplate?moduleId=HOME&amp;useAbsPaths=true&amp;breakdown=true&amp;$format=json</td>
<td>Request to retrieve a template with certain options</td>
</tr>
</tbody>
</table>

20.3 ThemeInfo

The ThemeInfo entity returns key UI properties for the current theme. This includes public css, URL, and accessibility preferences.

Properties

Table 486:

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>The ID for a stored theme. This can be a fixed string like &quot;lightGrayPlacematBlueAccentNoTexture&quot; for a pre-defined theme, or random generated characters for customerized theme.</td>
</tr>
<tr>
<td>accessibilityPreferences</td>
<td>Additional properties selected by the currently logged in user for accessibility support.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>The last time the default theme was modified.</td>
</tr>
<tr>
<td>urls</td>
<td></td>
</tr>
</tbody>
</table>

Use Cases

Table 487:

<table>
<thead>
<tr>
<th>API Call</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET https://&lt;hostname&gt;/odata/v2/ThemeInfo</td>
<td>Query user instance’s default theme related information</td>
</tr>
</tbody>
</table>
Important Disclaimers and Legal Information

Coding Samples

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