OData Services

THE BEST RUN **SAP**

Content

1 SAP Cloud for Customer OData API

The SAP Cloud for Customer OData API conforms to OData version 2 specification.

The complete list of collections (or data end-points) of SAP Cloud for Customer OData API, are listed in the OData API Reference section of this document.

Related Information

OData Version 2.0 Specification ⬀
SAP Cloud for Customer OData API 2.0 Reference

1.1 Purpose

Use the OData API, to query, read, add, update and delete data from and into SAP Cloud for Customer.

This document is a reference point for learning SAP Cloud for Customer OData API. You'll find a short introduction to the capabilities of the OData API as well as information on where to find more details.

1.2 What is OData?

OData (Open Data Protocol) is an OASIS Standard that defines a protocol for building and consuming RESTful APIs, based on the HTTP protocol.

OData differentiates itself from most of the other RESTful APIs, mainly by providing the following:

- Metadata of the entities exposed by the OData service
- Relationship between the entities within an OData service
- System and custom query options for retrieving data

The protocol allows filtering data, ordering and paginating of the query results, retrieving number of records, and more. Querying and modifying data is possible in XML (AtomPub) and JSON formats.

For more information on OData protocol, please visit to http://www.odata.org, where you can find different versions of OData specifications, community resources (such as OData providers and consumer libraries), sample OData services and tutorials.

Related Information

1.3 Accessing OData API

You can access the SAP Cloud for Customer OData API of your tenant, with the URL pattern: https://
<your_tenant>/sap/c4c/odata/v1/c4codataapi

1.4 Accessing Metadata of the OData API

You can access the metadata of the OData API of your tenant, with the URL pattern: https://<YourTenant>/sap/
c4c/odata/v1/c4codataapi/$metadata

1.5 Authentication

Learn about security options for accessing the SAP Cloud for Customer OData API.

Client applications using the OData API, have four options for providing authorization and authentication for their
users:

- Basic Authentication
- OAuth 2.0
- X.509
- SAML (Security Assertion Markup Language) based single sign-on.

Using OAuth 2.0 requires a trust relationship to be configured between SAP Cloud for Customer and the identity
provider of your client application in the Administrator work center.

See Create Trust Between the Customer Account and SAP Cloud for Customer.

1.6   Authorization

Authorization of a business user in the user interface is usually the same as the authorization in OData Services. However, there are some exceptions to this behavior.

Exceptions to Authorization Behavior

See the following table to learn about the exceptions.

Use Case	Description	Behavior in User Interface (UI)	Behavior in OData Service
Restriction at Work Center View	Work center view is assigned with no restrictions in the Administrator work center.	Work center view is visible without data restriction.	OData service with work center view assigned has full access to all data and operations.
Access Restriction at Instance	Work center view is assigned with Read and Write restriction. **Example**: Opportunity with sales territory 17 is restricted (both Read and Write) for the user.	Work center view is visible, and data visibility is restricted as configured in user access management. **Example**: User can see opportunities with sales territory 17 only.	OData honors RBAM restriction and limits the access. **Example**: Only opportunities with sales territory 17 are available. Create/Update/Delete is restricted for opportunities with sales territory 17.
Restrictions in Field	You can use business roles to restrict (Hide/ReadOnly/Un-Restricted) the fields (standard and extension) from the work center views added to business role. **Example**: `ExpectedRevenueAmout` field in an opportunity is hidden.	The object work list (OWL) doesn't hide the restricted (hidden) field, but data isn't displayed. The detail view of the UI hides the restricted field.	OData doesn't honor field restriction and field is visible in response.
Action Restriction	You can use business roles to restrict business object actions. **Example**: The action *Won* in Opportunity is restricted for the business role.	UI restricts user from executing the action.	Restriction isn't honored. It's possible to execute the restricted function import.
SAP Key User Tool (KUT) Adaptations	KUT fields with business logic. **Example**: KUT field's visibility based on business role.	UI honors KUT adaptations	KUT adaptations aren't honored.

Use Case	Description	Behavior in User Interface (UI)	Behavior in OData Service
UI Switches	UI switches are defined by custom development and can be used to make fields, buttons, or sections of user interfaces hidden, read-only, or mandatory. You can use them to assign a particular version of a UI to a business role and to its affected users. **Example**: A UI section group is read-only. And another one is hidden.	UI switches are honored as configured.	UI Switches aren't honored. Data encapsulated within section groups that is hidden via UI switch is available in OData response.

To learn more about UI switches, see the blog Make a UI flexible/dynamic using UI Switch .

Enhancements to Authorization Assignment

Authorization assignments for several OData services are enhanced. With this enhancement, users require the necessary authorizations to consume these OData services.

In previous releases, your users may have been able to consume the impacted OData services without the necessary authorization assignments. For those users, this is an incompatible change. As of the August 2020 release, you must assign the work center view assignments as listed in the table for these users.

Here is a list of impacted services:

OData Service Name	Entity Type Name	Entity Type UI Text (Label)	Authorization Assignment (Assign at least one.)	Data Workbench Relevant Service

prcconversionfactors	CodPrcConversionFactors	Prc Conversion Factors	`COD_QUOTE_WCVIEW`
			
			`COD_SALESORDER_WCVIEW`
				Yes

prccurrencycodenames	CodPrcCurrencyCodeNames	Prc Currency Code Names	`COD_QUOTE_WCVIEW`
			
			`COD_SALESORDER_WCVIEW`
				Yes

OData Service Name	Entity Type Name	Entity Type UI Text (Label)	Authorization Assignment (Assign at least one.)	Data Workbench Relevant Service
prccurrencycodes	CodPrcCurrencyCodes	Prc Currency Codes	`COD_QUOT E_WCVIEW` `COD_SALE SORDER_W CVIEW`	Yes
prccurrencydecplaces	CodPrcCurrDecPlaces	Prc Currency Decimal Places	`COD_QUOT E_WCVIEW` `COD_SALE SORDER_W CVIEW`	Yes
prccurrewukeys	CodPrcEwukeys	Prc Ewukeys	`COD_QUOT E_WCVIEW` `COD_SALE SORDER_W CVIEW`	Yes
prcexchangerates	CodPrcExchangeRates	Prc Exchange Rates	`COD_QUOT E_WCVIEW` `COD_SALE SORDER_W CVIEW`	Yes
prcexchangeratetypes	CodPrcExchangeRateTypes	Prc Exchange Rate Types	`COD_QUOT E_WCVIEW` `COD_SALE SORDER_W CVIEW`	Yes
prcexpiringcurrencies	CodPrcExpCurr	Prc Expiring Currency	`COD_QUOT E_WCVIEW` `COD_SALE SORDER_W CVIEW`	Yes

OData Service Name	Entity Type Name	Entity Type UI Text (Label)	Authorization Assignment (Assign at least one.)	Data Workbench Relevant Service
prcobjty-peexpcurr	CodPrcObj-TypExpCurr	Prc Obj Type for Exp Currency	COD_QUOTE_WCVIEW COD_SALESORDER_WCVIEW	Yes
prcquotationprefix	CodPrcQuotationPrefix	Prc Quotation Prefix	COD_QUOTE_WCVIEW COD_SALESORDER_WCVIEW	Yes
prcquotations	CodPrcQuotations	Prc Quotations	COD_QUOTE_WCVIEW COD_SALESORDER_WCVIEW	Yes
prcwarnperexpcurr	CodPrcWarPerExpCurr	Prc Warning Period for Exp Currency	COD_QUOTE_WCVIEW COD_SALESORDER_WCVIEW	Yes
socialmediaactivity	SocialMediaActivity	Social Media Activity	SEOD_SMA_SADL_WCVIEW	Yes
socialmediaactivity	SocialMediaActivityAccessControlList	Social Media Activity Access Control List	SEOD_SMA_SADL_WCVIEW	Yes
socialmediaactivity	SocialMediaActivityAttachmentFolder	Social Media Activity Attachments	SEOD_SMA_SADL_WCVIEW	Yes
socialmediaactivity	SocialMediaActivityToChildSocialMediaActivity	Social Media Activity Child Social Media Activities	SEOD_SMA_SADL_WCVIEW	Yes

OData Service Name	Entity Type Name	Entity Type UI Text (Label)	Authorization Assignment (Assign at least one.)	Data Workbench Relevant Service

socialmediauserprofilewithoutauth	SocialMediaUserProfileNoAuth	Social Media User Profile No Auth	`COD_CONTACT_WCV`
			
			`COD_SEOD_ACCOUNTWL_WCVIEW`
				No

socialmediauserprofilewithoutauth	SocialMediaUserProfileNoAuthToSocialMediaBupaReference		`COD_CONTACT_WCV`
			
			`COD_SEOD_ACCOUNTWL_WCVIEW`
				No

socialmediauserprofilewithoutauth	SocialMediaUserProfileNoAuthToSocialMediaUserInformation	Social Media User Profile User Information	`COD_CONTACT_WCV`
			
			`COD_SEOD_ACCOUNTWL_WCVIEW`
				No

survey	AnswerAttachment	Answer Attachments	`COD_QUESTIONNAIRE_WCVIEW`	No
survey	AnswerAttachmentReference	Answer Attachment Reference	`COD_QUESTIONNAIRE_WCVIEW`	No
survey	AnswerOptions	Answer Options	`COD_QUESTIONNAIRE_WCVIEW`	No
survey	Answers	Answers	`COD_QUESTIONNAIRE_WCVIEW`	No
survey	BranchingConditions	Branching Conditions	`COD_QUESTIONNAIRE_WCVIEW`	No

OData Service Name	Entity Type Name	Entity Type UI Text (Label)	Authorization Assignment (Assign at least one.)	Data Workbench Relevant Service
survey	ElementRating	Element Rating	COD_QUESTIONNAIRE_WCVIEW	No
survey	ElementResponseOption	Element Response Option	COD_QUESTIONNAIRE_WCVIEW	No
survey	QuestionAnswers	Question Answers	COD_QUESTIONNAIRE_WCVIEW	No
survey	QuestionAttachment	Question Attachments	COD_QUESTIONNAIRE_WCVIEW	No
survey	Questions	Questions	COD_QUESTIONNAIRE_WCVIEW	No
survey	Response	Response	COD_QUESTIONNAIRE_WCVIEW	No
survey	ResponseItem	Response Item	COD_QUESTIONNAIRE_WCVIEW	No
survey	ResponseItemAttachment	Response Item Attachments	COD_QUESTIONNAIRE_WCVIEW	No
survey	Survey	Questionnaire	COD_QUESTIONNAIRE_WCVIEW	No
survey	SurveyDesignTime	Questionnaire	COD_QUESTIONNAIRE_WCVIEW	No
timereport	CodTimeEntry	Time Entry	COD_SEOD_TR_TIMEREPORT_WCV	Yes
timereport	CodTimeReport	Time Report	COD_SEOD_TR_TIMEREPORT_WCV	Yes

OData Service Name	Entity Type Name	Entity Type UI Text (Label)	Authorization Assignment (Assign at least one.)	Data Workbench Relevant Service
timereport	CodTimeReportAttachmentFolder	Time Report Attachments	`COD_SEOD _TR_TIME REPORT_W CV`	Yes
timereport	CodTimeReportParty	Cod Time Report Party	`COD_SEOD _TR_TIME REPORT_W CV`	Yes

> ⚠ **Caution**
>
> As an administrator, you can assign any workcenter to a OData service without validating the assignment. This will result in business partners with the same workcenter assigned having access to the OData service and being able to retrieve data that are not visible to them in the UI. Hence, you must be cautious while assigning workcenters.

1.7   Supported System Query Options

SAP Cloud for Customer OData API supports OData V2 system query options listed below:

- $count
- $expand
- $filter
- $format
- $inlinecount
- $orderby
- $search
- $select
- $skip
- $skiptoken
- $top

Usage information, examples and possible restrictions are described in the SAP Cloud for Customer OData Developer's Guide↗ .

2   New Features

2.1   What's New in OData API v2 Reference

2.1.1 Business Partner OData Services

This topic lists all OData API documentation that have been modified in each release version.

August 2021 Edition

OData API documentation enhanced in the following KT (knowledge transfer documents):

- ODATA_BUPA_RELATIONSHIP_1
- ODATA_COMPETITOR_01
- ODATA_CONTACT_01
- ODATA_CUSTOMER_01
- ODATA_EMPLOYEEANDUSER_01
- ODATA_IND_CUSTOMER_01
- ODATA_PARTNERCONTACT_01
- ODATA_PARTNER_01
- ODATA_SERVICEAGENT_01

May 2021 Edition

OData API documentation enhanced in the following KT (knowledge transfer documents):

- ODATA_CONTACT_01
- ODATA_CUSTOMER_01
- ODATA_IND_CUSTOMER_01

February 2021 Edition

OData API documentation enhanced in the following KT (knowledge transfer documents):

- ODATA_ACCOUNT_DC_01
- ODATA_CONTACT_04
- ODATA_CUSTOMER_02
- ODATA_CUSTOMER_07
- ODATA_IND_CUSTOMER_02
- ODATA_IND_CUSTOMER_06

November 2020 Edition

OData API documentation enhanced in the following KT (knowledge transfer documents):

- ODATA_BUPA_RELATIONSHIP_1
- ODATA_BUPA_RELATIONSHIP_2
- ODATA_BUSINESSPARTNER_01
- ODATA_BUSINESSUSER_01
- ODATA_COMPETITOR_01
- ODATA_CONTACT_01
- ODATA_CONTACT_02
- ODATA_CONTACT_06
- ODATA_CUSTOMER_01
- ODATA_CUSTOMER_02
- ODATA_CUSTOMER_05
- ODATA_CUSTOMER_14
- ODATA_EMPLOYEEANDUSER_01
- ODATA_IND_CUSTOMER_01
- ODATA_IND_CUSTOMER_02
- ODATA_IND_CUSTOMER_05
- ODATA_MARKETINGATTRIBUTE_10
- ODATA_PARTNERCONTACT_01
- ODATA_PARTNER_01
- ODATA_PARTNER_02
- ODATA_SERVICEAGENT_01

May 2020 Edition

OData API documentation enhanced in the following KT (knowledge transfer documents):

- ODATA_ACCOUNTHIERARCHYLIST_01
- ODATA_BUYINGCENTER_1
- ODATA_BUYINGCENTER_2
- ODATA_CONTACT_01

- ODATA_CUSTOMER_04
- ODATA_EMPLOYEEANDUSER_01
- ODATA_EMPLOYEE_BASIC_DATA_01
- ODATA_IND_CUSTOMER_04
- ODATA_MARKETINGATTRIBUTE_1
- ODATA_MARKETINGATTRIBUTE_10
- ODATA_MARKETINGATTRIBUTE_2
- ODATA_MARKETINGATTRIBUTE_3
- ODATA_MARKETINGATTRIBUTE_4
- ODATA_MARKETINGATTRIBUTE_5
- ODATA_MARKETINGATTRIBUTE_6
- ODATA_MARKETINGATTRIBUTE_7
- ODATA_MARKETINGATTRIBUTE_8
- ODATA_MARKETINGATTRIBUTE_9

February 2020 Edition

OData API documentation enhanced in the following KT (knowledge transfer) documents:

- ODATA_EMPLOYEEANDUSER_01
- ODATA_EMPLOYEEANDUSER_02
- ODATA_EMPLOYEEANDUSER_03
- ODATA_EMPLOYEEANDUSER_04
- ODATA_EMPLOYEEANDUSER_05
- ODATA_IDENTITY_01
- ODATA_IND_CUSTOMER_DC_01
- ODATA_ACCOUNT_DC_01
- ODATA_CUSTOMER_01
- ODATA_CUSTOMER_02
- ODATA_CUSTOMER_04
- ODATA_CUSTOMER_06
- ODATA_BUPAMERGE_01
- ODATA_IND_CUSTOMER_01
- ODATA_IND_CUSTOMER_02
- ODATA_IND_CUSTOMER_04
- ODATA_CONTACT_01
- ODATA_BUSINESSUSER_01
- ODATA_BUPA_RELATIONSHIP_1
- ODATA_MARKETINGATTRIBUTE_1
- ODATA_MARKETINGATTRIBUTE_2
- ODATA_MARKETINGATTRIBUTE_3
- ODATA_MARKETINGATTRIBUTE_4

- ODATA_MARKETINGATTRIBUTE_5
- ODATA_MARKETINGATTRIBUTE_6
- ODATA_MARKETINGATTRIBUTE_7
- ODATA_MARKETINGATTRIBUTE_8
- ODATA_MARKETINGATTRIBUTE_9
- ODATA_MARKETINGATTRIBUTE_10

2.2 Add Public Solution Model (PSM) Fields to Standard OData Services

As an administrator, you can add PSM fields to standard OData services.

1. Click your profile on the top right corner of your screen, and select *Start Adaptation*.
2. Navigate to the screen where the PSM field exists and click to select the relevant section. The system highlights the section with a red box.
3. In the side pane, click next to *Header* to see the list of available fields.
4. Navigate to the PSM field and click next to it. The system highlights the PSM field with a red box to indicate that it is editable.
5. Click *Edit*. The system displays the table with the list of available OData extensions.
6. Click the **Edit** icon and the *Action* column appears in the table.
7. Under *Action*, click the **Add Field** icon + next to the OData Service where you want to add the PSM field. The system indicates that it has been added with a check sign in the *Field Added* column.
8. Click *Save*.

> ⓘ Note
>
> - This is applicable only for standard PSM fields extended via adaptation. PSM fields created using SAP Cloud Applications Studio are not supported.
> - You can transport PSM OData configuration from a test to a productive environment via *Transport Management*. In *Transport Management*, the *Adaptation Changes* provider proposes relevant PSM OData configuration as optional dependencies.
> - You cannot remove a PSM field from an OData service if it is already shipped as part of standard OData service by SAP.
> - This feature is not available for the Lead UIs, such as Lead, Lean Lead, and Deal Registration UIs.

2.3 Transport Custom OData Services with Transport Management

You can use Transport Management to move custom OData Services between different tenants.

Follow this procedure to add a custom OData Service in a Transport Request:

1. To add a Transport Object, under *Transport Object Type*, select *Custom OData Service*.
2. Select the *Custom Service Name* and then click *OK*.
3. Select the transport object and click *Add Selected*.

Related Information: See Configure a Transport Request.

2.4   Compatibility Mode for READ Operations

We've introduced a new HTTP request header `odata-v2-strict-json-format : true`, which changes the `results` tag in response as follows:

- READ operations with key have `results` tag.
- Expand operations with NavigationProperty with 'many' cardinality have the `results` tag.

When you use this header, you receive a response payload that is compatible with OData API v2 protocol.

This feature is helpful if you use third-party tools that require strict adherence to the OData V2 protocol.

2.5   Support for User-Friendly IDs in Standard OData Services

User-friendly IDs (**UIDs** or Known IDs) are available as a key to read, update, and delete data records via standard OData services.

UIDs are the same as the IDs displayed in the user interface and therefore, are more user-friendly. This feature is offered as an alternative to **ObjectID** as the key.

ObjectID is used as the key if a UID isn't configured for an entity type. To find the entity type that support UIDs, see the OData metadata.

`https://myxxxxxx.crm.ondemand.com/sap/c4c/odata/`**`uid`**`/v1/c4codataapi/$metadata`.

2.6   Constant Values to Function Imports

Assign constant values to function imports of type `Query`.

This feature allows constant values to be passed to a query that simplifies the associated Query request by reducing the number of parameters required.

For example, in a custom OData service, `Activity (BO): Query: QueryByElements`.

If only appointments have to be retrieved using this query (and not other activity types such as email and fax), query parameters `TypeCode, GroupCode` can be assigned with the following constant values: `TypeCode EQ "12"` and `GroupCode NE "0027"`.

2.7   Integration with SAP Business Application Studio

You can integrate SAP Cloud for Customer with SAP Business Application Studio.

Integration with SAP Business Application Studio enables you to view live SAP Sales and Service Cloud OData services and create SAP business applications such as SAP Fiori, HTML5, or SAP BTP full-stack extensions.

You can use SAP System Provider to integrate SAP Cloud for Customer with SAP Business Application Studio. For more information, see SAP Cloud for Customer Integration with SAP Business Application Studio and SAP Business Application Studio.

2.8   OData Service for Change Documents

You can retrieve change document data for all instances of a given business object using filters.

Currently, change document data is only displayed in the detail view of a business object. By providing an OData service, it would be possible to retrieve change document data for several business object instances based on the filter values.

Filter Attributes

- Business Object Type - Mandatory
- Busines Object IDs - Optional
- Change Date/Time - Optional

Result List

- ID
- Business Object Name
- Object UUID
- ChangeDateTime
- ChangedByIdentityUUID
- ChangedByUserName
- ObjectNodeElementName
- ObjectNodeElementOldContent
- ObjectNodeElementNewContent

Supported Bussiness Objects

Business Object	UI Text
Material	Material
ServiceRequest	Ticket
IndividualProduct	Registered Product
Warranty	Warranty

Business Object	UI Text
DealRegistration	Deal Registration
DesignRegistration	Design Registration
Vehicle	Vehicle
BuyingCenter	Buying Center
Contract	Contract
CustomerQuote	Sales Quote
Opportunity	Opportunity
Lead	Lead
Activity	Activity

> ⚠ **Restriction**
>
> - This service supports only business objects listed above. All other business objects (for example: master data objects like account, contact person, and many more) are not supported.

Example to use the OData service

Use the following endpoint to fetch the requested changes from your tenant: `https://<tenantURL>/sap/c4c/odata/v1/changedoclist/ChangeDocumentCollection`

The service supports the following filter parameters:

- BusinessObject - Mandatory

  > ⓘ **Note**
  >
  > To query *Ticket* changes use BusinessObject example 'ServiceRequest'.

- ChangeDateTime - Optional
- ObjectUUID - Optional

There is no filter available on Changed Attribute or Modification Type.

In addition standard OData filter like *Top* and *Skip* are supported.

To avoid issues with too high data load the service supports an automatic paging mechanism. In case there are more than 1000 entries fetched the result will be cut on 1000 entries but will provide a next link to fetch the next 1000 records.

Thus, a sample http request may look like: https://<tenantId>/sap/c4c/odata/v1/changedoclist/ChangeDocumentCollection?$filter=BusinessObject eq 'CustomerQuote' and ChangeDateTime ge datetime'2022-10-07T00:00:00'

This will fetch all changes done on sales quotes after 2022/10/07.

Authorization method basic (username/password) is supported.

Before returning the result list, the OData implementation checks that the used user has read access for all business object instances for which changes were found. If this is not the case, the system will return an error message.

3   OData API Reference

3.1   OData API v2 Reference

OData API v2 covers over 40 main business objects, allowing read and/or write access to more than 1000 collections (data points). You can access the API reference document here: OData API v2 Reference.

You can access the metadata of the OData API of your tenant, with the URL pattern: https://<YourTenant>/sap/c4c/odata/v1/c4codataapi/$metadata

Add Extension Fields to c4codataapi

The service **c4codataapi** is a container for several individual object-specific OData services. Hence, extension fields must be added to these individual services. Extension fields added to individual services automatically reflect in c4codataapi. The individual services that you need to select when adding an extension field to a particular object is listed here.

> ⓘ Note
>
> The c4codataapi service does not appear in Key User Extension UI and SAP Cloud Applications Studio.

Object/Entity Type	Service
Appointment	activity
EMail	activity
Phone Call	activity
Task	activity
Visit	activity
Business Partner Relationship	businesspartnerrelationship
Buying Center	buyingcenter
Campaign	campaign
Chat Activity	chatactivity
Competitor	competitor
Competitor Product	competitorproduct

Object/Entity Type	Service
Contact	contact
Contract	contract
Account	customer
Individual Customer	customer
Employee	employeeanduser
Installation Point (Product / Text / Functional Location)	installationpoint
Installed Base	installedbase
Job Definition	jobdefinition
Lead	lead
Marketing Permission	marketingpermission
Measurement Point	measurementpoint
Measurment Document	measurementreading
Opportunity	opportunity
Organisational Unit	organisationalunit
Partner	partner
Partner Contact	partnercontact
Deal Questionnaire	pcmmigration
Deal Registration	pcmmigration
Product	product
Product List	productbusinesspartnerrelation
Registered Product	registeredproduct
Sales Point Of Delivery	salespointofdelivery
Sales Quote	salesquote
Sales Territory	salesterritory
Service Agent	serviceagent
Activity Extension	serviceassignment

Object/Entity Type	Service
Social Media Activity	socialmediaactivity
Social Media User Profile	socialmediauserprofile
Stock Location	stocklocation
Questionnaire	survey
Target Group Root	targetgroup
Service Request	ticket
Time Entry	timeentry
Time Report	timereport

3.2 OData API v1 Reference (Deprecated)

SAP Cloud for Customer OData API v1 is deprecated.

Information on Deprecation

See information on deprecation and our updated API Strategy [page 202].

OData API v1 Reference (Deprecated)

This section shows the OData entity structure is shown as diagrams.

The entity diagrams are grouped under following sections:

Group Name Activities:

> ⓘ Note
>
> For details on the associations between entities, see the navigation details of the respective entity.
>
> The accuracy of the information provided about the Nullable property in the SAP Cloud for Customer OData API collection document might not always be accurate. If the *Nullable* attribute has the value:
>
> - *True*, then this property can be left empty. In some cases, due to application-specific behavior, or the dependency on the value of another property, a property value must be specified even if the value of the Nullable property is indicated as True. For create or update calls on such properties, the system returns a specific error message if the value is left blank.
> - *False*, such a property must never be left blank.

3.2.1 Account Contact Relationship

Overview

AccountContactRelationship entity type is already part of **C4CODATA**, as a part of clean up duplicate entries from other entity type of **AccountContactRelationship** which is **AccountContactCommunicationData**.

Properties

Name	Type	Description	$search relevant
EMail	Edm.String	E-Mail	
Fax	Edm.String	Fax	
JobTitle	Edm.String	Job Title	
Mobile	Edm.String	Mobile	
Phone	Edm.String	Phone	

3.2.2 Account EntityType

The Account related collections allow you to read and maintain Accounts and their related data such as Address, Contacts related to the Accounts and their addresses.
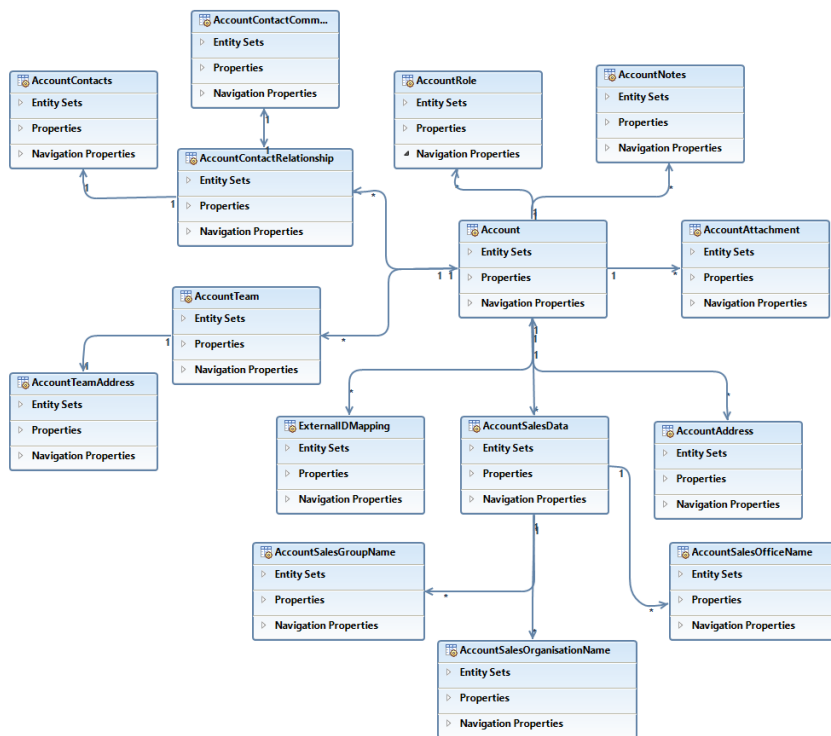
3.2.2.1   Account

Overview

The Account collection provides information about corporate customers and prospects. These are existing organizations and potential customers for the company.

URL

https://<CloudTenant>/sap/c4c/odata/v1/c4codata/AccountCollection

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
ABCClassification-Code	Edm.String	true	1	true	
ABCClassification-CodeText	Edm.String	true			
AccountFormatted-Name	Edm.String	false	40	true	true
AccountID	Edm.String	true	10	true	true
AccountName	Edm.String	true	240	true	true
AccountName2	Edm.String	true	240	true	
AccountName3	Edm.String	true	240	true	
AccountName4	Edm.String	true	240	true	
AdditionalStreet-PrefixName	Edm.String	true	240	true	
AdditionalStreet-SuffixName	Edm.String	true	240	true	
StreetPrefixName	Edm.String	true	240	true	
StreetSuffixName	Edm.String	true	240	true	
BuildingID	Edm.String	true	240	true	
CareOfName	Edm.String	true	240	true	
CatagoryCode	Edm.String	false	1	true	true
CatagoryCodeText	Edm.String	true			
ChangedBy	Edm.String	true	40	true	
ChangedOn	Edm.DateTime	true			

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
CityName	Edm.String	true	240	true	
ContactPermis-sionCode	Edm.String	true	1	true	
ContactPermis-sionCodeText	Edm.String	true			
Correspondence-LanguageCode	Edm.String	true	1	true	
Correspondence-LanguageCodeText	Edm.String	true		true	
CountryCode	Edm.String	true	3	true	
CountryCodeText	Edm.String	true			
CountyName	Edm.String	true	240	true	
CreatedBy	Edm.String	true	40	true	
CreatedOn	Edm.DateTime	true			
DUNS	Edm.String	true	60	true	
DistrictName	Edm.String	true	240	true	
EMail	Edm.String	true	765	true	
Fax	Edm.String	true	350	true	
HouseID	Edm.String	true	100	true	
IndustryCode	Edm.String	true	10	true	
IndustryCodeText	Edm.String	true			
LegalFormCode	Edm.String	true	2	true	
LegalFormCode-Text	Edm.String	true			
MarketingLeadIndi-cator	Edm.Boolean	true			
Mobile	Edm.String	true	350	true	
NielsenID	Edm.String	true	2	true	
NielsenIDText	Edm.String	true			

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
ObjectID	Edm.String	false	70	true	
OwnerFormatted-Name	Edm.String	true	480	true	
OwnerID	Edm.String	true	20	true	
OwnerUUID	Edm.Guid	true			
POBoxDeviatingCi-tyName	Edm.String	true	240	true	
POBoxDeviating-CountryCode	Edm.String	true		true	
POBoxDeviating-CountryCodeText	Edm.String	true	3	true	
POBoxDeviatingRe-gionCode	Edm.String	true		true	
POBoxDeviatingRe-gionCodeText	Edm.String	true	6	true	
POBoxID	Edm.String	true	100	true	
POBoxPostalCode	Edm.String	true		true	
POBoxPostalCode-Text	Edm.String	true		true	
Phone	Edm.String	true	350	true	
PreferredCommu-nicationMediumTy-peCode	Edm.String	true	3	true	
PreferredCommu-nicaTexttionMe-diumTypeCode	Edm.String	true			
PrimaryContactID	Edm.String	true	10	true	
PrimaryContact-Name	Edm.String	false	480	true	true
RoleCode	Edm.String	true	6	true	
RoleCodeText	Edm.String	true			
StatusCode	Edm.String	true	2	true	

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
StatusCodeText	Edm.String	true			
StreetName	Edm.String	true	360	true	
StreetPostalCode	Edm.String	true	100	true	
StreetPostalCode-Text	Edm.String	true		true	
Tax.Jurisdiction-Code	Edm.String	true	25	true	
TaxJurisdictionCo-deText	Edm.String	true		true	
TimeZoneCode	Edm.String	true	10	true	
TimeZoneCodeText	Edm.String	true		true	
UUID	Edm.Guid	true			
Web	Edm.String	true	1280	true	

Navigations

Name	FromEntity	ToEntity	
AccountAddress	Account	AccountAddress	1 .. *
AccountAttachment	Account	AccountAttachment	1 .. *
AccountContactRelationship	Account	AccountContactRelationship	1 .. 1
AccountNotes	Account	AccountNotes	1 .. *
AccountRole	Account	AccountRole	1 .. *
AccountSalesData	Account	AccountSalesData	1 .. *
AccountTeam	Account	AccountTeam	1 .. *
ExternalIDMapping	Account	ExternalIDMapping	1 .. *

3.2.2.2 AccountAddress

Overview

The AccountAddress collection provides detailed organization address of corporate customer and prospects.

Top Level Entity

Account

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
AdditionalStreet-PrefixName	Edm.String	true	240	true	
AdditionalStreet-SufixName	Edm.String	true	240	true	
StreetPrefixName	Edm.String	true	240	true	
IStreetSufixName	Edm.String	true	240	true	
CareOfName	Edm.String	true	240	true	
AddressLine1	Edm.String	true	240	true	
AddressLine2	Edm.String	true	240	true	
AddressLine4	Edm.String	true	240	true	
AddressLine5	Edm.String	true	240	true	
CareOfName	Edm.String	true	240	true	
City	Edm.String	true	240	true	
CountryCode	Edm.String	true	3	true	
CountryCodeText	Edm.String	true			
EMail	Edm.String	true	765	true	
Fax	Edm.String	true	350	true	
FormattedAddress	Edm.String	true	480	true	
Latitude	Edm.Decimal	true			
Longitude	Edm.Decimal	true			

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
Mobile	Edm.String	true	350	true	
ObjectID	Edm.String	true	70	true	
POBox	Edm.String	true	100	true	
POBoxAddress	Edm.Boolean	true			
POBoxPostalCode	Edm.String	true	100	true	
POBoxPostalCode-Text	Edm.String	true			
ParentObjectID	Edm.String	true	70	true	
Phone	Edm.String	true	350	true	
PostalCode	Edm.String	true	100	true	
PostalCodeText	Edm.String	true			
State	Edm.String	true	6	true	
StateText	Edm.String	true			
Street	Edm.String	true	360	true	
UUID	Edm.Guid	true			

Navigations

Name	FromEntity	ToEntity		
Account	AccountAddress	Account	*	..1

3.2.2.3 Account Attachment

Overview

The AccountAttachment collection provides information about various attachments such as Documents, Images etc. associated to a particular Corporate Customer.

These attachment types can be created, updated, and viewed using this collection.

Top Level Entity

Account

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
Binary	Edm.Binary	true		false	
CategoryCode	Edm.String	false	1	true	
CategoryCodeText	Edm.String	true			
CreatedBy	Edm.String	true	80	true	
CreatedOn	Edm.DateTime	true			
DocumentLink	Edm.String	true		false	
LastUpdatedBy	Edm.String	true	80	true	
LastUpdatedOn	Edm.DateTime	true			
LinkWebURI	Edm.String	true		false	
MimeType	Edm.String	true		false	
Name	Edm.String	true		false	
ObjectID	Edm.String	true	70	true	
ParentObjectID	Edm.String	true	70	true	
TypeCode	Edm.String	true	5	true	
TypeCodeText	Edm.String	true			
UUID	Edm.Guid	false			

3.2.2.4   Account Contact Communication Data

Overview

The AccountContactCommunicationData collection provides information about personal workplace address details of the Contact related to an Account.

Top Level Entity

Account

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
EMail	Edm.String	true	765	true	
Fax	Edm.String	true	350	true	
JobTitle	Edm.String	true	240	true	
Mobile	Edm.String	true	350	true	
ObjectID	Edm.String	true	70	true	
ParentObjectID	Edm.String	true	70	true	
Phone	Edm.String	true	350	true	

Navigations

Name	From Entity	To Entity	Cardinality
AccountContactRelationship	AccountContactCommunica-tionData	AccountContactRelationship	1 ..1

3.2.2.5 Account Contact Relationship

Overview

The AccountContactRelationship collection sets up the relationship between contact and accounts. A single contact can be associated with multiple Accounts and vice versa.

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
CategoryCode	Edm.String	true	16	true	

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
AccountUUID	Edm.String	true			
CategoryCodeText	Edm.String	true			
ContactUUID	Edm.Guid	true			
DepartmentCode	Edm.String	true	4	true	
DepartmentCode-Text	Edm.String	true			
FunctionCode	Edm.String	true	4	true	
FunctionCodeText	Edm.String	true			
Main	Edm.Boolean	true			
ObjectID	Edm.String	true	70	true	
VIPReasonCode	Edm.String	true	1	true	
VIPReasonCode-Text	Edm.String	true			

Navigations

Name	From Entity	To Entity	Cardinality
AccountContactCommunica-tionData	AccountContactRelationship	AccountContactCommunica-tionData	1 ..1
AccountContacts	AccountContactRelationship	AccountContacts	

3.2.2.6   Account Contacts

Overview

The AccountContacts collection provides information about contacts related to an account.

Usage Scenario

The AccountContacts cannot be created whereas can be updated. This displays the contact details provided in the AccountContactRelationship.

Top Level Entity

AccountContactRelationship

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
CategoryCode	Edm.String	true	1	true	
CategoryCodeText	Edm.String	true			
ContactID	Edm.String	true	10	true	
ContactUUID	Edm.Guid	true			
EndDate	Edm.DateTime	true			
FirstName	Edm.String	true	240	true	
LastName	Edm.String	true	240	true	
Name	Edm.String	true	480	true	
ObjectID	Edm.String	true	70	true	
RoleCode	Edm.String	true	6	true	
RoleCodeText	Edm.String	true			
StartDate	Edm.DateTime	true			
StatusCode	Edm.String	true	2	true	
StatusCodeText	Edm.String	true			

3.2.2.7 AccountNotes

Overview

The AccountNotes collection provides information about the corporate customers and prospects, and allows to add and view the data.

Top Level Entity

Account

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
AuthorName	Edm.String	true	40	true	
AuthorUUID	Edm.Guid	true			
CreatedBy	Edm.String	true	80	true	
CreatedOn	Edm.DateTime	true			
LanguageCode	Edm.String	true	2	true	
LanguageCodeText	Edm.String	true			
LastUpdatedBy	Edm.String	true	80	true	
ObjectID	Edm.String	true	70	true	
ParentObjectID	Edm.String	true	70	true	
Text	Edm.String	true		false	
TypeCode	Edm.String	true	5	true	
TypeCodeText	Edm.String	true			
UpdatedOn	Edm.DateTime	true			

Navigations

Name	From Entity	To Entity	Cardinality
AccountContactCommunica-tionData	AccountContactRelationship	AccountContactCommunica-tionData	1..1
AccountContacts	AccountContactRelationship	AccountContacts	

3.2.2.8 Account Role

Overview

The AccountRole collection provides information about the role(s) of an Account.

Top Level Entity

Account

Usage

The property RoleCode has an associated collection – AccountRoleCodeCollection that gives the list of all the roles and its descriptions. This collection can be used to find the values that can be given for the property RoleCode during the creation of this entity.

Properties

Name	Type	Nullable	Max Length	Fixed length
BusinessCharacter-Code	Edm.String	TRUE	6	TRUE
BusinessCharacterCo-deText	Edm.String	TRUE		
ObjectID	Edm.String	TRUE	70	TRUE
ParentObjectID	Edm.String	TRUE	70	TRUE
RoleCode	Edm.String	TRUE	6	TRUE
RoleCodeText	Edm.String	TRUE		

Navigations

Name	FromEntity	ToEntity	
Account	Account	AccountRole	1..n

3.2.2.9   AccountSalesData

Overview

The AccountSalesDataCollection provides information about sales related data for an account like sales organization, group and its associated incoterms, and payment terms.

Top Level Entity

Account

Properties

Name	Type	Nullable	Max Length	Fixed length
BillingBlockingReason-Code	Edm.String	TRUE	2	TRUE
BillingBlockingReason-CodeText	Edm.String	TRUE		
CurrencyCode	Edm.String	TRUE	3	TRUE
CurrencyCodeText	Edm.String	TRUE		
CustomerGroupCode	Edm.String	TRUE	2	TRUE
CustomerGroupCode-Text	Edm.String	TRUE		
DeliveryBlockingRea-sonCode	Edm.String	TRUE	2	TRUE
DeliveryBlockingRea-sonCodeText	Edm.String	TRUE		
DeliveryPriorityCode	Edm.String	TRUE	1	TRUE
DeliveryPriorityCode-Text	Edm.String	TRUE		
DistributionChannel-Code	Edm.String	TRUE	2	TRUE
DistributionChannelCo-deText	Edm.String	TRUE		
DivisionCode	Edm.String	TRUE	2	TRUE
DivisionCodeText	Edm.String	TRUE		
IncotermsCode	Edm.String	TRUE	3	TRUE
IncotermsCodeText	Edm.String	TRUE		
IncotermsLocation	Edm.String	TRUE	28	TRUE
ObjectID	Edm.String	TRUE	70	TRUE
OrderBlockingReason-Code	Edm.String	TRUE	2	TRUE
OrderBlockingReason-CodeText	Edm.String	TRUE		

PaymentTermsCode	Edm.String	TRUE	4	TRUE
PaymentTermsCode-Text	Edm.String	TRUE		
SalesGroupID	Edm.String	TRUE	20	TRUE
SalesGroupUUID	Edm.Guid	TRUE		
SalesOfficeUUID	Edm.Guid	TRUE		
SalesSupportBlockin-gIndicator	Edm.Boolean	TRUE		
SalesOrganisationID	Edm.String	TRUE	20	TRUE
SalesOrganisationUUID	Edm.Guid	TRUE		

Navigations

Name	From Entity	To Entity	Cardinality
AccountSalesGroupName	AccountSalesData	AccountSalesGroupName	1..n
AccountSalesofficeName	AccountSalesData	AccountSalesOfficeName	1..n
AccountSalesOrganisation-Name	AccountSalesData	AccountSalesOrganisation-Name	1..n

3.2.2.10 AccountSalesGroupName

Overview

The AccountSalesGroupName collection provides the list of Sales group names present in the AccountSalesData entity type.

Top Level Entity

Account; Parent entity is AccountSalesData

Properties

Name	Type	Nullable	Max Length	Fixed length
Name	Edm.String	TRUE	40	TRUE
ObjectID	Edm.String	TRUE	70	TRUE

3.2.2.11 AccountSalesOfficeName

Overview

The AccountSalesOfficeName collection provides the list of all Sales group names present in the AccountSalesData entity type.

Top Level Entity

Account; Parent entity is AccountSalesData

Properties

Name	Type	Nullable	Max Length	Fixed length
Name	Edm.String	TRUE	40	TRUE
ObjectID	Edm.String	TRUE	70	TRUE

3.2.2.12 AccountSalesOrganisationName

Overview

The AccountSalesOrganisationName collection provides the list of all Sales group names present in the AccountSalesData entity type.

Top Level Entity

Account; Parent entity is AccountSalesData

Properties

Name	Type	Nullable	Max Length	Fixed length
Name	Edm.String	TRUE	40	TRUE
ObjectID	Edm.String	TRUE	70	TRUE

3.2.2.13 AccountTeam

Overview

The AccountTeam collection provides information about the team that belongs to a corporate account.

Top Level Entity

Account

Properties

Name	Type	Nullable	Max Length	Fixed length
DistributionChannel-Code	Edm.String	TRUE	2	TRUE
DistributionChannelCodeText	Edm.String	TRUE		
DivisionCode	Edm.String	TRUE	2	TRUE
DivisionCodeText	Edm.String	TRUE		
EmployeeUUID	Edm.Guid	TRUE		

EndDate	Edm.DateTime	TRUE		
Name	Edm.String	TRUE	480	TRUE
ObjectID	Edm.String	TRUE	70	TRUE
ParentObjectID	Edm.String	TRUE	70	TRUE
PartyRoleCode	Edm.String	TRUE	10	TRUE
PartyRoleCodeText	Edm.String	TRUE		
SalesOrganisationUUID	Edm.Guid	TRUE		
StartDate	Edm.DateTime	TRUE		
UUID	Edm.Guid	TRUE		

Navigations

Name	FromEntity	ToEntity	
Account	AccountTeam	Account	1 .. 1
AccountTeamAddress	AccountTeam	AccountTeamAddress	1 .. 1

3.2.2.14 AccountTeamAddress

Overview

The AccountTeamAddress collection provides the E-mail ID and phone of the employee that belongs to an account team.

Top Level Entity

Account

Properties

Name	Type	Nullable	Max Length	Fixed length
EMail	Edm.String	TRUE	765	TRUE
ObjectID	Edm.String	TRUE	70	TRUE
Phone	Edm.String	TRUE	350	TRUE

3.2.3 Appointment Entity Type

The Appointment related collections allow you to read and maintain appointments and related data such as attachments and involved parties (such as sender, recipient, account etc.)
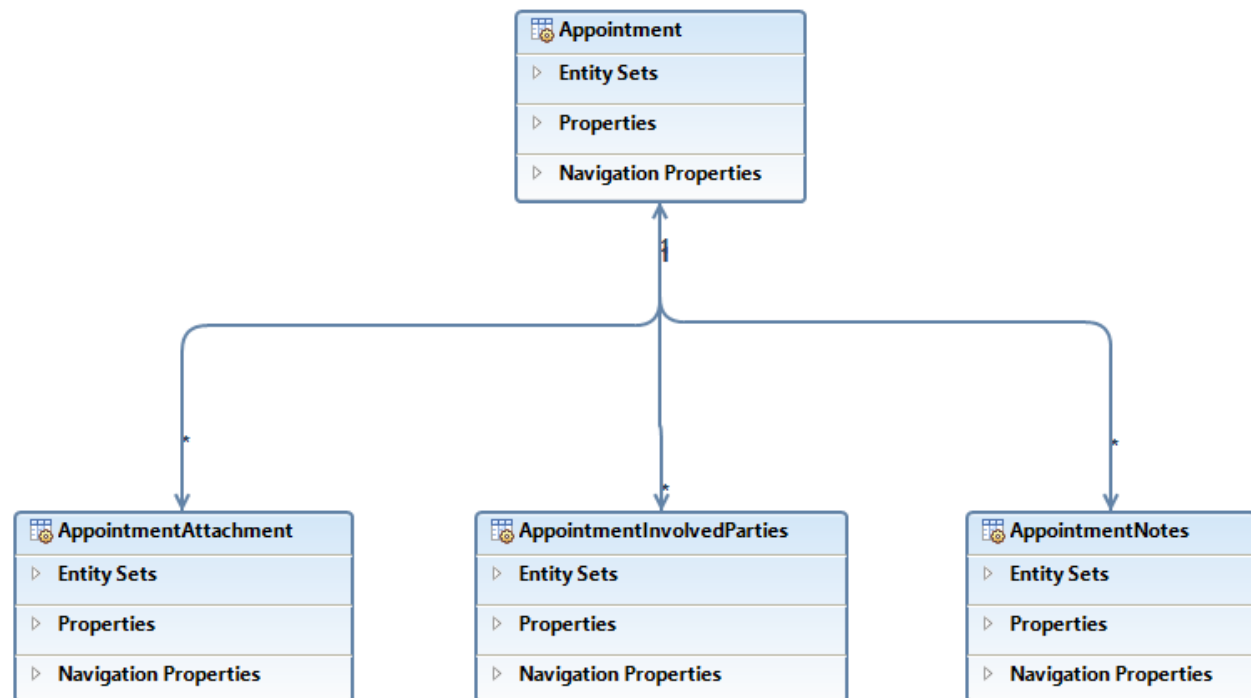
3.2.3.1   Appointment

Overview

The Appointment collection provides information about appointments.

Request Elements

URL

https://<CloudTenant>/sap/c4c/odata/v1/c4codata/AppointmentCollection

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
Account	c4codata.EN-CRYPTED_LONG_Name	true			
AccountID	Edm.String	true	60	true	
AccountUUID	Edm.Guid	true			
AllDayEvent	Edm.Boolean	true			
CategoryCode	Edm.String	true	4	true	
CategoryCodeText	Edm.String	true			
ChangedBy	Edm.String	true	480	true	
ChangedOn	Edm.DateTimeOff-set	true			
CompletionPercent	Edm.Decimal	true			
CreatedBy	Edm.String	true	480	true	
CreatedOn	Edm.DateTimeOff-set	true			
EndDateTime	c4codata.LOCAL-NORMALISED_Da-teTime	true			
ID	Edm.String	false	35	true	true
MyPriority	Edm.String	True	30	True	
MyPriorityText	Edm.String	True	30		
ObjectID	Edm.String	false	70	true	
OrganizerID	Edm.String	true	60	true	
OrganizerName	c4codata.EN-CRYPTED_LONG_Name	true			
OrganizerUUID	Edm.Guid	true			
Owner	c4codata.EN-CRYPTED_LONG_Name	true			

OwnerUUID	Edm.Guid	true			
Phone	Edm.String	true	350	true	
PrimaryContact	c4codata.EN-CRYPTED_LONG_Name	true			
PrimaryContactID	Edm.String	true	60	true	
PrimaryContac-tUUID	Edm.Guid	true			
PriorityCode	Edm.String	true	1	true	
PriorityCodeText	Edm.String	true			
StartDateTime	Edm.DateTimeOff-set	true			
StatusCode	Edm.String	true	2	true	true
StatusCodeText	Edm.String	true			
Subject	Edm.String	true	765	true	true
TypeCode	Edm.String	true	15	true	
TypeCodeText	Edm.String	true			
AdditionalLocation-Name	Edm String	true	765	true	
GroupwareItemID	Edm String	true	765	true	
LocationName	Edm String	true	480	true	
ReportedDateTime	Edm.DateTimeOff-set	true			
UUID	Edm.Guid	false			

The Property Type Code has a default value and cannot be changed.

Navigations

Name	From Entity	To Entity	Cardinality
AppointmentAttachment	Appointment	AppointmentAttachment	1 .. *
AppointmentInvolvedParties	Appointment	AppointmentInvolvedParties	1 .. *
AppointmentNotes	Appointment	AppointmentNotes	1 .. *

3.2.3.2 Appointment Attachment

Overview

The AppointmentAttachment collection provides information about attachments in Appointments.

Top Level Entity

Appointment

Properties

Name	Type	Nullable	Max Length	Fixed length
AuthorName	Edm.String	True	40	True
AuthorUUID	Edm.Guid	True		
CreatedBy	Edm.String	True	80	True
CreatedOn	Edm.DateTime	True		
DocumentLink	Edm.String	True		
LastUpdatedBy	Edm.String	True	80	True
LastUpdatedOn	Edm.String	True		
LinkWebURL	Edm.String	True	80	False
MimeType	Edm.String	True		False
ObjectID	Edm.String	True	70	True
ParentObjectID	Edm.String	True	70	True
TypeCode	Edm.String	True	5	True
TypeCodeText	Edm.String	True		
UUID	Edm.GUID	False		

3.2.3.3 Appointment Involved Parties

Overview

The Appointment Involved Parties collection provides contact information of all parties involved (such as Sender, Recipient, Account, Employee Responsible etc.) in the appointment..

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
Name	c4codata.EN-CRYPTED_LONG_Name	true			
ObjectID	Edm.String	false	70	true	
ParentObjectIDe	Edm.String	true	60	true	true
Address	Edm.String	true	480	true	true
Email	Edm.String	true	765	true	true
PartyID	Edm.String	true	60	true	
PartyTypeCode	Edm.String	true	15	true	
PartyUUID	Edm.String	true			
Phone	Edm.String	true	350	true	
RoleCode	Edm.String	true	10	true	
RoleCodeText	Edm.String	true			

Navigations

Name	FromRole	ToRole	Cardinality
Appointment	AppointmentInvolvedParties	TaskAttachmenAppoint-mentt	1.1

3.2.3.4   Appointment Notes

Overview

The AppointmentNotes collection provides information about a related appointment.

Top Level Entity

Appointment

Properties

Name	Type	Nullable	Max Length	Fixed length
AuthorName	Edm.String	true	40	true
AuthorUUID	Edm.Guid	true		
CreatedBy	Edm.String	true	80	true
CreatedOn	Edm.DateTime	true		
LanguageCode	Edm.String	true	2	true
LanguageCodeText	Edm.String	true		
LastUpdatedBy	Edm.String	true	80	true
ObjectID	Edm.String	true	70	true
ParentObjectID	Edm.String	true	70	true
Text	Edm.String	true	false	
TypeCode	Edm.String	true	5	true

TypeCodeText	Edm.String	true
UpdatedOn	Edm.DateTime	true

3.2.4 BusinessPartner Entity Type

Overview

BusinessPartnerCollection provides information about all Business Partners i.e. Accounts, Individual Customers, Contacts, Employees, Competitors, Partners etc.

`ThingType` property refers to the thing type associated with a business partner instance. ThingType is used for navigation and displaying data for corresponding Business Partner in the standard UI in SAP Cloud for Customer. The BusinessPartnerCollection is read-only and can be used to determine the correct entity type referred to in a party collection based on the Party UUID.

Properties

Name	Type	Description	$search relevant
UUID	Edm.Guid	Alternative Key of BusinessPartner	Yes
ThingType	Edm.String	Thing Type used in the UI for the particular Business Partner	No

Mapping

ThingType	Related C4C-BuPa-UI	Corresponding C4CODATA-EntityType
COD_ACCOUNT_TT	Account	Account
COD_CONTACT_TT	Contact	Contact
COD_SEOD_ACCOUNT_TT	IndividualCustomer	IndividualCustomer
COD_EMPLOYEES	Employee	Employee

ThingType	Related C4C-BuPa-UI	Corresponding C4CODATA-EntityType
COD_COMPETITOR_TT	Competitor	Not applicable
COD_PARTNER_TT	Partner	Not applicable
COD_PARTNERCONTACT_TT	PartnerContact	Not applicable

3.2.5 CodeList Entity Type

The CodeList Entity Type is a Single EntityType.The EntityGroup description are not required.
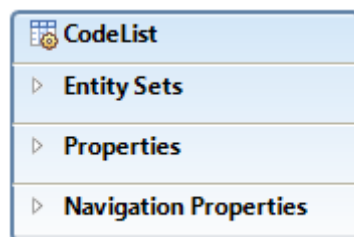
3.2.5.1   Codelist

Overview

The Codelist collection provides a list of codes and their corresponding descriptions for a code type collection. It is automatically added into the service metadata if it contains any properties representing a code type.

It cannot be created, updated or deleted. This is read-only entity.

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
Code	Edm.String	false		false	
Description	Edm.String	false		false	

3.2.6 Contextual CodeList Entity Type

The ContextualCodeList Entity Type is a Single Entity Type. The EntityGroup description is not required.
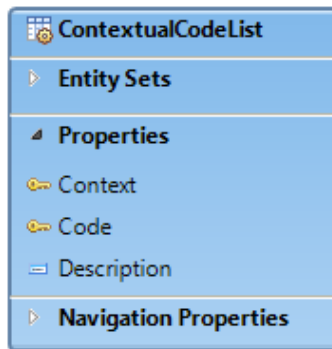
3.2.6.1   Contextual CodeList

Overview

Contextual CodeList collection provides a list of contexts, codes, and their corresponding descriptions. ContextualCodeList entity type is automatically added into the service metadata, if the service contains any properties of the type.

Along with Code and Description, ContextualCodeList entity type has a context parameter for which the codes are relevant. For example, Region in an address is contextual. A Region or State "NY" is relevant both for countries with country codes: US and GB. If a user has to fetch all region codes of country "US", corresponding collection has to be filtered using Context = "US". If a context is not provided, all the regions in the world shall be returned.

Entities cannot be created, updated or deleted in the corresponding entity sets. All entity sets based on ContextualCodeList shall be read-only. Key of the entity type includes both Code and Context.

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
Code	Edm.String	false		false	
Context	Edm.String	false		false	
Description	Edm.String	false		false	

3.2.7 Contact Entity Type

The Contact related collections allow you to read and maintain Contacts to Accounts and their personal addresses
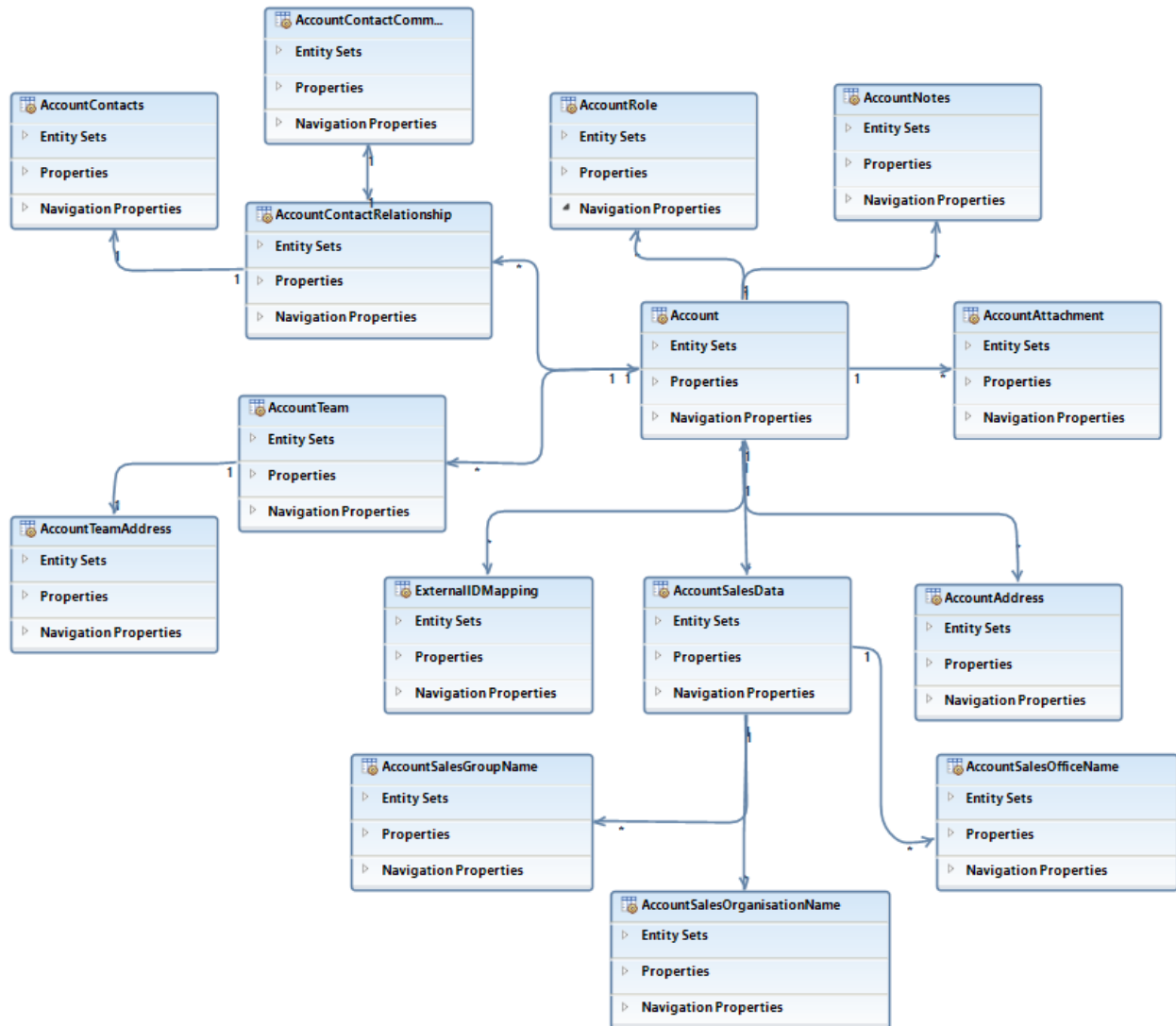
3.2.7.1   Contact Attachment

Overview

The ContactAttachment collection provides information about various attachments such as Documents, Images etc. associated to a particular contact.

Top Level Entity

Contact

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
ObjectID	Edm.String	true	70	true	
ParentObjectID	Edm.String	true	70	true	
UUID	Edm.Guid	36	true		
TypeCode	Edm.String	true	5	true	
TypeCodeText	Edm.String	true			
MimeType	Edm.String	true			
Binary	Edm.Binary	true			
DocumentLink	Edm.String	true			
Name	Edm.String	true			
CategoryCode	Edm.String	false	1	true	
CategoryCodeText	Edm.String	true			
LinkWebURI	Edm.String	true			
CreatedOn	Edm.DateTime	true	21	true	
LastUpdatedOn	Edm.DateTime	true	21	True	
CreatedBy	Edm.String	true	80	true	
LastUpdatedBy	Edm.String	true	80	true	

3.2.7.2 Contact

Overview

The Contact collection provides the contact information of a particular account. The Contacts are organized based on the accounts from where they originate from. A contact can be related to multiple Accounts/Contacts or can be related to a single account..

Request Elements

URL

https://<CloudTenant>/sap/c4c/odata/v1/c4codata/ContactCollection

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
CreationOn	Edm.DateTime	true	21	true	
ChangedOn	Edm.DateTime	true	21	true	
CreatedBy	Edm.String	true	40	true	
ChangedBy	Edm.String	true	40	true	
RoleCode	Edm.String	true	6	true	
StartDate	Edm.DateTime	false	8	true	
EndDate	Edm.DateTime	false	8	true	
ObjectID	Edm.String	false	70	true	
ContactName	Edm.String	false	480	true	true
UUID	Edm.Guid	true	36	true	
ContactID	Edm.String	true	10	true	true
FirstName	Edm.String	true	240	true	true
MiddleName	Edm.String	true	240	true	
LastName	Edm.String	true	240	true	true
AccountID	Edm.String	true	70	true	
AccountUUID	Edm.Guid	true	36	true	
AccountName	Edm.String	true	480	true	true
NickName	Edm.String	false	240	true	
MarketingLeadIndi-cator	Edm.Boolean	true	1	true	
AcademicTitleCode	Edm.String	true	4	true	
AcademicTitleCo-deText	EdmString	true			

AdditionalAcade-micTitleCode	Edm.String	true	4	true
AdditionalAcade-micTitleCodeText	Edm.String	true		
ContactPermis-sionCode	Edm.String	true	1	true
ContactPermis-sionCodeText	Edm.String	true		
GenderCode	Edm.String	true	1	true
GenderCodeText	Edm.String	true		
MaritalStatusCode	Edm.String	true	1	true
MaritalStatusCode-Text	Edm.String	true		
VIPContactCode	Edm.String	true	1	true
VIPContactCode-Text	Edm.String	true		
DepartmentCode	Edm.String	true	4	true
DepartmentCode-Text	Edm.String	true		
FunctionCode	Edm.String	true	4	true
FunctionCodeText	Edm.String	true		
StatusCode	Edm.String	true	2	true
StatusCodeText	Edm.String	true		
CategoryCode	Edm.String	true	1	true
CategoryCodeText	Edm.String			
StatusCode	Edm.String			
StatusCodeText	Edm.String			
LanguageCode	Edm.String	true	1	true
LanguageCodeText	Edm.String			
TitleCode	Edm.String	true	4	true
TitleCodeText	Edm.String			

Navigations

Name	From Entity	To Entity	Cardinality
ContactAttachment	Contact	ContactAttachment	1 .. *
ContactNotes	Contact	ContactNotes	1 .. *
ContactBusinessAddress	Contact	ContactBusinessAddress	1 .. 1
ContactCommunicationData	Contact	ContactCommunicationData	1.. *
ContactPersonalAddress	Contact	ContactPersonalAddress	0.. *

3.2.7.3   Contact Notes

Overview

The ContactNotes collection provides information about the notes attached to a particular contact..

Top Level Entity

Contact

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
ParentObjectID	Edm.String	true	70	True	
ObjectID	Edm.String	true	70	True	
TypeCode	Edm.String	true	5	True	
LanguageCode	Edm.String	true	2	true	
Text	Edm.String	false	false		
CreatedOn	Edm.DateTime	true	21	true	
UpdatedOn	Edm.DateTime	true	21	true	

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
CreatedBy	Edm.DateTime	true	80	True	
LastUpdatedBy	Edm.String	true	80	true	
AuthorName	Edm.String	true	40	True	
AuthorUUID	Edm.Guid	true	36	true	

3.2.7.4   Contact Personal Address

Overview

The ContactPersonalAddess collection provides personal address information for a contact. A particular contact can have multiple personal address and one among them would be the default address.

Top Level Entity

Contact

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
ObjectID	Edm.String	true	70	True	
ParentObjectID	Edm.String	true	70	True	
UUID	Edm.Guid	true	36	True	
Address	Edm.String	true	480	True	
Email	Edm.String	true	765	true	
Mobile	Edm.String	true	350	true	
Phone	Edm.String	true	350	true	

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Fax	Edm.String	true	350	true	

Navigations

Name	From Entity	To Entity	Cardinality
Contact	ContactPersonalAddress	Contact	1... 1
ContactPersonalAddress	ContactPersonalPostalAd-dress	ContactPersonalPostalAd-dress	0...*

3.2.7.5   Contact Personal Postal Address

Overview

The ContactPersonalPostalAddress collection provides the postal address associated to a particular contact. There can be multiple addresses associated to a single contact, and any one of the contact can be marked as the default address.

Top Level Entity

ContactPersonalAddress

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
ObjectID	Edm.String	true	70	True	
ParentObjectID	Edm.String	true	70	True	
AdditionalStreet-PrefixName	Edm.String	true	240	True	

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
AdditionalStreet-SuffixName	Edm.String	true	240	True	
CountryCode	Edm.String	true	3	True	
CountryCodeText	Edm.String	true			
POBox	Edm.String	true	100	true	
AddressLine1	Edm.String	true	240	true	
AddressLine2	Edm.String	true	240	true	
HouseNumber	Edm.String	true	100	true	
Street	Edm.String	true	360	True	
AddressLine4	Edm.String	true	240	true	
AddressLine5	Edm.String	true	240	True	
City	Edm.String	true	240	true	
State	Edm.String	true	6	True	
PostalCode	Edm.String	true	100	true	
PostalCodeText	Edm.String	true			
POBoxPostalCode	Edm.String	true	100	true	
POBoxPostalCode-Text	Edm.String	true			

Navigations

Name	From Entity	To Entity	Cardinality
ContactPersonalAddress	ContactPersonalPostalAd-dress	ContactPersonalAddress	1... 1

3.2.7.6   Contact Business Address

Overview

The ContactBusinessAddress collection provides information about the accounts related to a particular contact. A particular contact can be related to many accounts. It also includes the business address referred to by the contact for a particular account.

.

Top Level Entity

Contact

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
ObjectID	Edm.String	true	70	True	
PostalAddress	Edm.String	true	480	True	
FirstLineDescription	Edm.String	true	480	True	
SecondLineDescription	Edm.String	true	480	True	
PreferredCommunicationMediumTypeCode	Edm.String	true	3	True	
UUID	Edm.Guid	true	36	True	

Navigations

Name	From Entity	To Entity	Cardinality
ContactBusinessPostalAddress	ContactBusinessIAddress	ContactBusinessPersonalAddress	1... *

3.2.7.7 Contact Business Postal Address

Overview

The ContactBusinessPostalAddress collection provides the business/Organization postal address associated to a particular contact account relationship. There can be multiple postal addresses maintained for a single relationship, and any one of them can be marked as the default address

.

Top Level Entity

ContactBusinessAddress

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
ObjectID	Edm.String	true	70	True	
City	Edm.String	true	240	True	
CountryCode	Edm.String	true	3	True	
CountryCodeText	Edm.String	true			
HouseNumber	Edm.String	true	100	True	
PostalCode	Edm.String	true	100	True	
PostalCodeText	Edm.String	true			
State	Edm.String	true	6	True	
StateText	Edm.String	true			
Street	Edm.String	true	360	True	

3.2.7.8   Contact Communication Data

Overview

The ContactCommunicationData collection provides information about the workplace addresses associated with a particular account and contact relationship. There can be only one workplace address maintained for a particular relationship

Top Level Entity

Contact

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
ObjectID	Edm.String	true	70	True	
Phone	Edm.String	true	350	True	
EMail	Edm.String	true	765	True	
EMailInvalid	Edm.Boolean	true	1	True	
Fax	Edm.String	true	350	True	
Mobile	Edm.String	true	350	True	
BuildingID	Edm.String	true	10	True	
DepartmentFrom-BusinessCard	Edm.String	true	240	True	
FloorID	Edm.String	true	10	True	
JobTitle	Edm.String	true	240	True	
RoomID	Edm.String	true	10	True	

Navigations

Name	From Entity	To Entity	Cardinality
AccountContactPersonalRelationship	ContactCommunicationData	AccountContactRelationship	1... 1

3.2.8 EMail Entity Type

The Email related collections allow you to read and maintain Email communication done with business partners and related data such as attachments and recipients
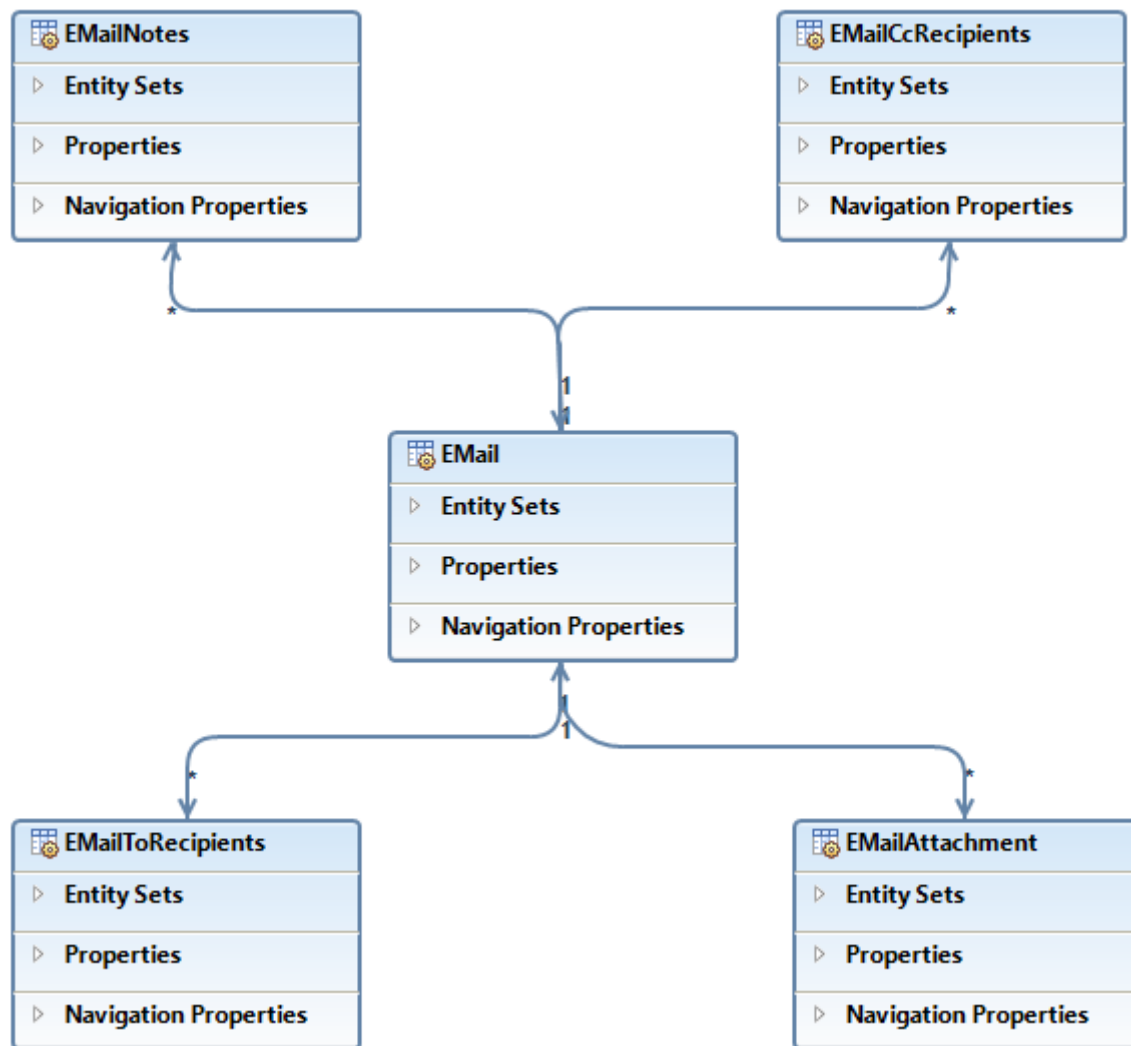
3.2.8.1 EMail

Overview

The EMail collection allows you to synchronize and view E-mail communication done with business partners and associates the E-mail with related objects such as an account, opportunity, lead, or sales quote.

Request Elements

URL

https://<CloudTenant>/sap/c4c/odata/v1/c4codata/EmailCollection

Properties

Name	Type	Nullable	Max Length	Fixed length
AccountID	Edm.String	true	60	true
AccountName	c4codata.EN-CRYPTED_LONG_Name	true		
AccountUUID	Edm.Guid	true		
DateTime	c4codata.LOCALNOR-MALISED_DateTime	false		
GroupCode	Edm.String	true	4	true
GroupCodeText	Edm.String	true		
ID	Edm.Guid	true	35	true
MessageFromPartyID	Edm.DateTime	true	60	true
MessageFromParty-Name	c4codata.EN-CRYPTED_LONG_Name	true		
MessageFromPar-tyUUID	Edm.Guide	true		

Name	Type	Nullable	Max Length	Fixed length
ObjectID	Edm.String	true	70	true
OwnerName	c4codata.EN-CRYPTED_LONG_Name	true		
PriorityCode	Edm.String	true	1	true
PriorityCodeText	Edm.Guid	true		
StatusCode	Edm.String	true	2	true
StatusCodeText	Edm.String	true		
SubjectName	Edm.String	true	765	true
TypeCode	Edm.String	true	15	true
TypeCodeText	Edm.String	true		
CorrespondenceTrans-missionStatusCode	Edm String	true	2	true
MessageFromEmailURI	Edm String	true	254	true
MessageFromName	Edm String	true	255	true
UUID	Edm Guid	true		

Navigations

Name	FromRole	ToRole	Cardinality
EMailAttachment	EMail	EMailAttachment	1 .. *
EMailCcRecepients	EMail	EMailCcRecepients	1 .. *
EmailNotes	EMail	EmailNotes	1 .. *
EMailToRecepients	EMail	EMailToRecepients	1.. *

3.2.8.2   EMail Attachment

Overview

The EMailAttachment collection provides information about attachments in E-mail. For example, attachments of E-mail associated to an account, opportunity, lead or sales quote is synchronized with SAP Cloud for Customer, and thereby can be updated and viewed using EMailAttachmentCollection.

Top Level Entity

EMail

Properties

Name	Type	Nullable	Max Length	Fixed length
Binary	Edm.Biinary	true		false
CategoryCode	Edm.String	false	1	true
CategoryCode-Text	Edm.String	true		
CreatedBy	Edm.String	true	80	true
CreatedOn	Edm.DateTime	true		
DocumentLink	Edm.String	true		false
LastUpdatedBy	Edm.String	true	80	true
LastUpdatedOn	Edm.DateTime	true		
LinkWebURL	Edm.String	true		false
MimeType	Edm.String	true		false
Name	Edm.String	true		false
ObjectID	c4codata.ENCRYPTED_LONG_Name	true	70	

Name	Type	Nullable	Max Length	Fixed length
ParentObjectID	Edm.String	true	70	true
TypeCode	Edm.String	true	5	true
TypeCodeText	Edm.String	true		
UUID	Edm.Guid	false		true

Navigations

Name	FromRole	ToRole	Cardinality
EMailAttachment	EMail	EMailAttachment	1 .. *
EMailCcRecepients	EMail	EMailCcRecepients	1 .. *
EmailNotes	EMail	EmailNotes	1 .. *
EMailToRecepients	EMail	EMailToRecepients	1 .. *

3.2.8.3   EMail Cc Recipients

Overview

The EMailCcRecipients collection provides information about all the Copied Recipients in E-mail.

Top Level Entity

EMail

Properties

Name	Type	Nullable	Max Length	Fixed length
Address	Edm.String	true	480	true
EMailID	Edm.String	true	765	true
Name	c4codata.EN-CRYPTED_LONG_Name	true		
ObjectID	Edm.Stringe	true	70	true
ParentObjectID	Edm.String	true	70	true
PartyID	Edm.String	true	80	true
PartUUID	Edm.Guid	true		
Phone	Edm.String	true	350	true
RoleCategoryCode	Edm.String	true	3	true
MessageCCEMailID	Edm String	true	254	true
MessageCCName	Edm String	true	255	true
RoleCategoryText	Edm.String	true		

Navigations

Name	FromEntity	ToEntity	Cardinality
EMail	EMailCcRecepients	EMail	* .. 1

3.2.8.4   Email Notes

Overview

The EMailNotes collection provides information about all details in an E-mail.

> ⓘ **Note**
>
> Notes feature allows you to add and view important information.

Top Level Entity

EMail

Properties

Name	Type	Nullable	Max Length	Fixed length
AuthortName	Edm.String	true	40	true
AuthorUUID	Edm.Guid	true		
CreatedBy	Edm.String	false	80	true
CreatedOn	Edm.DateTime	true		
LanguageCode	Edm.String	true	2	true
LanguageCodeText	Edm.String	true		
LastUpdatedBy	Edm.String	true	80	true
ObjectID	Edm.String	true	70	true
ParentObjectI	Edm.String	true	70	true
TypeCode	Edm.String	true		false
Text	Edm.String	true	5	true
TypeCodeText	Edm.String	true		
UpdatedOn	Edm.DateTime	true		

3.2.8.5 Email To Recipients

Overview

The EMailToRecipients collection provides information about all "To" Recipients in E-mail.

Top Level Entity

EMail

Properties

Name	Type	Nullable	Max Length	Fixed length
Address	Edm.String	true	480	true
EMailID	Edm.String	true	765	true
Name	c4codata.EN-CRYPTED_LONG_Name	true		
ObjectID	Edm.String	false	70	true
ParentObjectID	Edm.String	true	70	true
PartyID	Edm.String	true	60	true
PartyUUID	Edm.Guid	true		
Phone	Edm.DateTime	true	350	true
RoleCategoryCode	Edm.String	true	3	true
MessageToEmailID	Edm String	true	254	true
MessageToName	Edm String	true	255	true
RoleCategoryCodeText	Edm.String	true		

Navigations

Name	FromRole	ToRole	Cardinality
EMail	EMailToRecepients	EMail	* .. 1

3.2.9 Employee Entity Type

The Employee related collections allow you to read and maintain Employees and related data such as their addresses. Employee entity type is already part of **C4CODATA**, as a part of clean up duplicate entries from other entity type of employee such as **EmployeeBusinessAddress**, **EmployeeComminicationData** and **EmployeeFormattedBusinessAddress**.
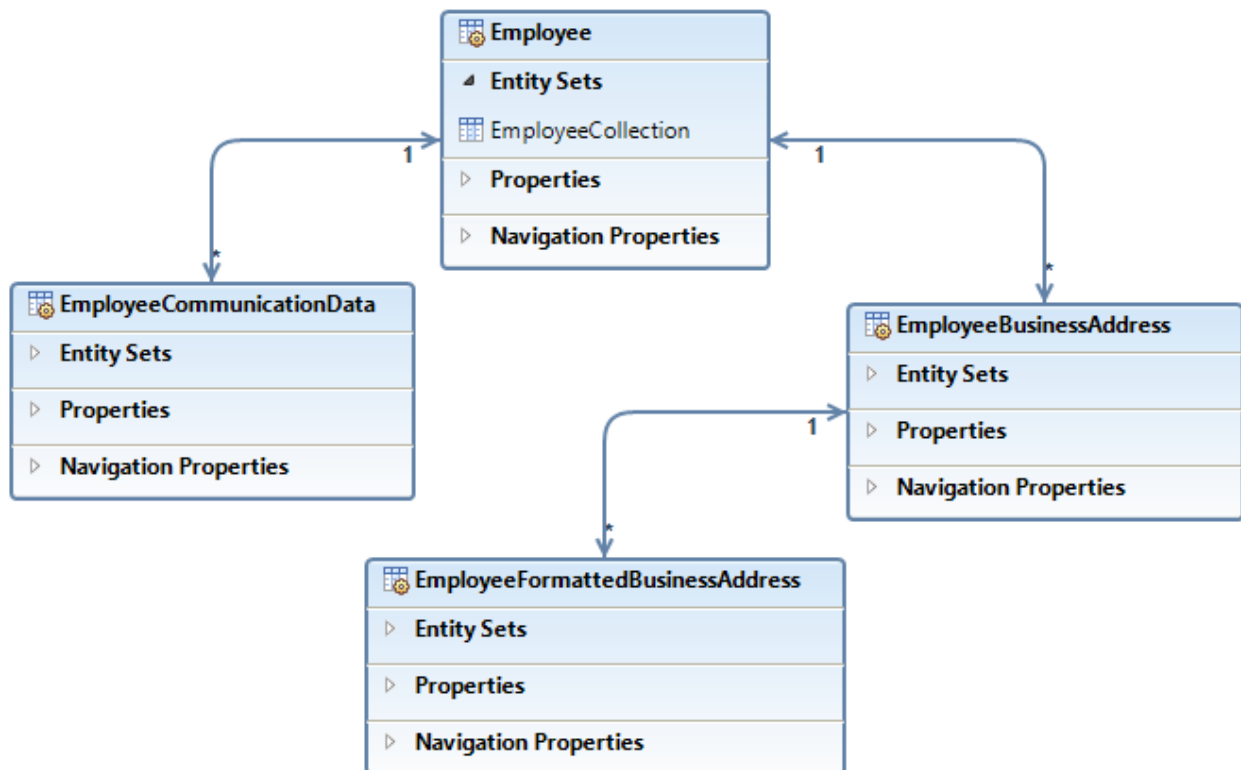
Properties

Name	Type	Description	$search relevant
AddressLine1	Edm.String	Address Line 1	

Name	Type	Description	$search relevant
AddressLine2	Edm.String	Address Line 2	
AddressLine4	Edm.String	Address Line 4	
AddressLine5	Edm.String	Address Line 5	
BirthDate	Edm.DateTime	Date of Birth	
BirthName	Edm.String	Birth Name	
BirthPlace	Edm.String	Birth Place	
Building	Edm.String	Building	
CareOfName	Edm.String	c/o	
City	Edm.String	City	
CompanyPostalCode	Edm.String	CompanyPostalCode	
CountryCode	Edm.String	Country	
County	Edm.String	County	
DifferentCity	Edm.String	Different City	
District	Edm.String	District	
EmployeeValidityEndDate	Edm.String	Employee Validity End Date	
EmployeeValidityStartDate	Edm.String	Employee Validity Start Date	
FaxNumber	Edm.String	Fax	
Floor	Edm.String	Floor	
GenderCode	Edm.String	Gender	
HouseNumber	Edm.String	House Number	
InhouseMail	Edm.String	In-House Mail	
LanguageCode	Edm.String	Language	
MaritalStatusCode	Edm.String	Marital Status	
MobilePhoneNumber	Edm.String	Mobile	
NationalityCountryCode	Edm.String	Nationality	
OfficePhoneNumber	Edm.String	Phone	

Name	Type	Description	$search relevant
POBox	Edm.String	P.O. Box	
POBoxCity	Edm.String	P.O. Box City	
POBoxCountryCode	Edm.String	P.O. Box Country	
POBoxPostalCode	Edm.String	P.O. Box Postal Code	
POBoxRegionCode	Edm.String	P.O. Box State	
PostalCode	Edm.String	Postal Code	
RegionCode	Edm.String	State	
Room	Edm.String	Room	
SecondLastName	Edm.String	Second Last Name	
Street	Edm.String	Street	
TaxJurisdictionCode	Edm.String	Tax Jurisdiction Code	
UserPasswordPolicyCode	Edm.String	User Password Policy	
UserValidityEndDate	Edm.DateTime	User Validity End Date	
UserValidityStartDate	Edm.DateTime	User Validity Start Date	

3.2.9.1   Employee

Overview

The Employee collection provides details about internal and external employees for an organization. The Employees have their respective roles assigned and associated to an account, team etc.

Request Elements

URL

https://<CloudTenant>/sap/c4c/odata/v1/c4codata/EmployeeCollection

Properties

Name	Type	Nullable	Max Length	Fixed length	
AcademicTitleCode	Edm.String	true	4	true	
AcademicTitleCodeText	Edm.String	true			
DateFormatCode	Edm.String	true	2	true	
DateFormatCodeText	Edm.String	true			
DecimalFormatCode	Edm.String	true	2		
DecimalFormatCodeText	Edm.String	true			
EmployeeID	Edm.String	true	20	true	true
FirstName	Edm.String	true	240	true	
InternalEmployeeIndicator	Edm.Boolean	true			
InternalID	Edm.String	false	10	true	
LastName	Edm.String	true	240	true	
EndDate	Edm.DateTime	true			
LogonLanguageCode	Edm.String	true	1	true	
LogonLanguageCodeText	Edm.String	true		true	
MiddleName	Edm.String	true	240	true	
Name	Edm.String	false	480	true	true
NickName	Edm.String	true	240	true	
ObjectID	Edm.String	false	70	true	
StartDate	Edm.DateTime	true			
SortingName	Edm.String	true	480	true	
TimeFormatCode	Edm.String	true	2	true	

Name	Type	Nullable	Max Length	Fixed length
TImeFormatCode-Text	Edm.String	true		
TimeZoneCode	Edm.String	true	10	
TimeZoneCodeText	Edm.String			
TitleCode	Edm.String	true	4	true
TitleCodeText	Edm.String	true		
UUID	Edm.Guid	true		
UserID	Edm.String	true	40	true

Navigations

Name	FromEntity	ToEntity	Cardinality
EmployeeBusinessAddress	Employee	EmployeeBusinessAddress	1 .. *
EmployeeCommunication-Data	Employee	EmployeeCommunication-Data	1 .. *

3.2.9.2 Employee Business Address

Overview

The EmployeeBusinessAddress collection entity provides details about the organization address of the employees.

Top Level Entity

Employee

Properties

Name	Type	Nullable	Max Length	Fixed length
City	Edm.String	true	240	true
CountryCode	Edm.String	true	3	true
CountryCodeText	Edm.String	true		
HouseNumber	Edm.String	true	100	true
ObjectID	Edm.String	true	70	true
ParentObjectID	Edm.String	true	70	true
PostalCode	Edm.String	true	100	true
PostalCodeText	Edm.String	true		
StateCode	Edm.String	true	6	true
StateCodeText	Edm.String	true		
Street	Edm.String	true	360	true

Navigations

Name	FromEntity	ToEntity	Cardinality
Employee	EmployeeBusinessAddress	Employee	* ..1
EmployeeFormattedBusinessAddress	EmployeeBusinessAddress	EmployeeFormattedBusinessAddress	1 .. *

3.2.9.3   Employee Communication Data

Overview

The EmployeeCommunicationData collection entity provides workplace organization details of the employees..

Top Level Entity

Employee

Properties

Name	Type	Nullable	Max Length	Fixed length
Buildinge	Edm.String	true	10	true
EMail	Edm.String	true	765	true
Fax	Edm.String	true	350	true
Floor	Edm.String	true	10	true
Mobile	Edm.String	true	350	true
ObjectID	Edm.String	true	70	true
ParentObjectID	Edm.String	true	70	true
Phone	Edm.String	true	350	true
Room	Edm.String	true	10	true

Navigations

Name	FromEntity	ToEntity	Cardinality
Employee	EmployeeCommunication-Data	Employee	* ..1

3.2.9.4 Employee Formatted Business Address

Overview

The EmployeeFormattedBusinessAddress collection entity provides the employees business address in a format.

Usage Scenario

This is only a read-only entity, and cannot be created or updated. It is created automatically once address is created.

Top Level Entity

EmployeeBusinessAddress

Properties

Name	Type	Nullable	Max Length	Fixed length
FormattedAddress	Edm.String	true	480	true
ParentObjectID	Edm.String	false	70	true
ObjectID	Edm.String	false	70	true

Navigations

Name	FromEntity	ToEntity	Cardinality
EmployeeBusinessAddress	EmployeeBusinessFormatte-dAddress	EmployeeBusinessAddress	* .. 1

3.2.10 External ID Mapping Entity Type

The External ID Mappping Entity Type is a Single EntityType. The EntityGroup description are not required.
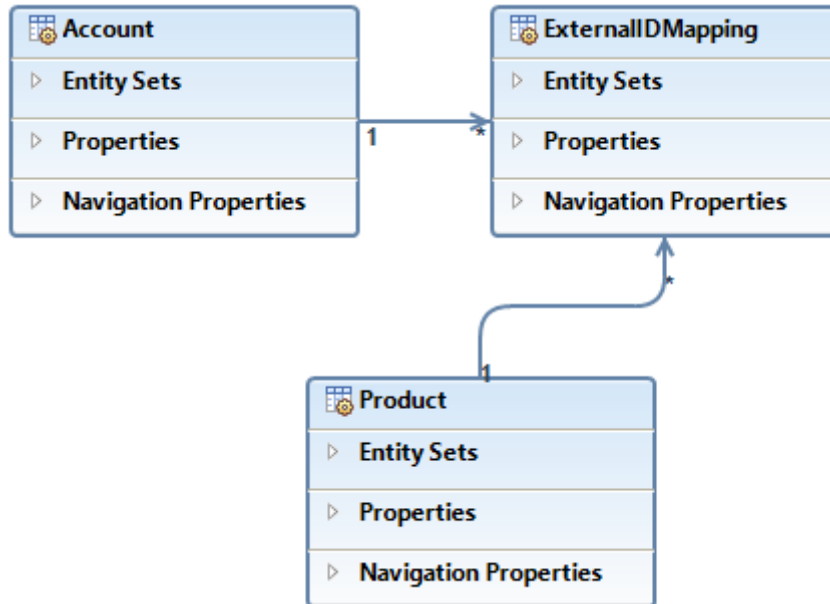
3.2.10.1 External ID Mapping

Overview

The ExternalIDMapping collection entity provides mapping details of a local object identifier corresponding to an object identifier in a remote system.

Usage Scenario

This is only a read-only entity, and cannot be created or modified.

Properties

Name	Type	Nullable	Max Length	Fixed length
ExternalID	Edm.String	true	100	true
ExtneralSystemID	Edm.String	true	32	true
ExternalSystemUUID	Edm.Guid	true		
ObjectID	Edm.String	true	70	true
ObjectTypeCode	Edm.String	true	15	true
ObjectTypeCodeText	Edm.String	true		

3.2.11 Individual Customer Entity Type

The Individual Customer related collections allow you to read and maintain individual customers and their addresses. Employee entity type is already part of **C4CODATA**, as a part of clean up duplicate entries from other entity type of **IndividualCustomer** such as **EmployeeBusinessAddress**, **EmployeeComminicationData** and **EmployeeFormattedBusinessAddress**.
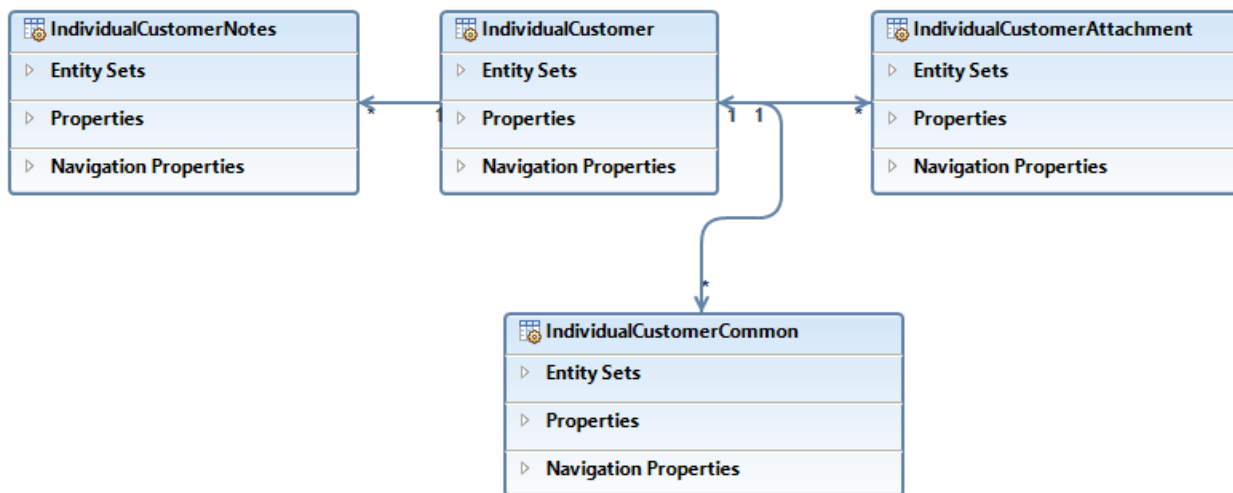
Properties

Name	Type	Description	$search relevant
BirthDateProtectedIndicator	Edm.Boolean	Birth Date Protected Indicator	
EndDate	Edm.DateTime	Valid To	
MaritalStatusProtectedIndicator	Edm.Boolean	Marital Status Protected Indicator	
StartDate	Edm.DateTime	Valid From	

3.2.11.1 Individual Customer

Overview

The Individual Customer collection provides information about customers who are not associated with a corporate account, and do business with the company directly.

Such customers can be created, updated and viewed using this collection.

Request Elements

URL

https://<CloudTenant>/sap/c4c/odata/v1/c4codata/IndividualCustomerCollection

Properties

Name	Type	Nullable	Max Length	Fixed length
ABCClassificationCode	Edm.String	true	1	true
ABCClassificationCodeText	Edm.String	true		
AcademicTitleCode	Edm.String	true	4	true

Name	Type	Nullable	Max Length	Fixed length
AcademicTitleCodeText	Edm.String	true		
AdditionalStreetPrefix-Name	Edm.String	true	240	true
AdditionalStreetSuffix-Name	Edm.String	true	240	true
BillingBlockCode	Edm.String	true	2	true
BillingBlockCodeText	Edm.String	true		
BuildingID	Edm.String	true	10	true
CareOfName	Edm.String	true	240	true
CatagoryCode	Edm.String	true	1	true
CatagoryCodeText	Edm.String	true		
ContactPermission-Code	Edm.String	true	1	true
ContactPermissionCo-deText	Edm.String	true		
CorrespondenceLan-guageCode	Edm.String	true	1	true
CorrespondenceLan-guageCodeText	Edm.String	true		
CountryCode	Edm.String	true	3	true
CountryCodeText	Edm.String	true		
CountyName				
CustomerID	Edm.String	true	10	true
DateOfBirth	Edm.DateTime	true		
DeliveryBlockCode	Edm.String	true	2	true
DeliveryBlockCodeText	Edm.String	true		
DistrictName	Edm.String	true	240	true
EMail	Edm.String	true	765	true
Fax	Edm.String	true	350	true

Name	Type	Nullable	Max Length	Fixed length
FirstName	Edm.String	true	240	true
GenderCode	Edm.String	true	1	true
GenderCodeText	Edm.String	true		
HouseID	Edm.String	true	100	true
Initials	Edm.Boolean	true	100	true
LanguageCode	Edm.String	true	1	true
LanguageCodeText	Edm.String	true		
LastName	Edm.String	false	240	true
MaritalStatusCode	Edm.String	true	1	true
MaritalStatusCodeText	Edm.String	true		
MarketingLeadIndicator	Edm.Boolean	true		
MiddleName	Edm.String	true	240	true
Mobile	Edm.String	true	350	true
Name	Edm.String	true	480	true
NationalityCode	Edm.String	true	3	true
NationalityCodeText	Edm.String	true		
Nickname	Edm.String	true	240	true
ObjectID	Edm.String	true	70	
OrderBlockCode	Edm.Guid	true	2	
OrderBlockCodeText	Edm.String	true		
Owner	Edm.String	true	480	true
OwnerUUID	Edm.String	true		
OwnerID	Edm.String	true	10	true
POBoxDeviatingCity-Name	Edm.String	true	240	true
POBoxDeviatingCoun-tryCode	Edm.String	true	3	true

Name	Type	Nullable	Max Length	Fixed length
POBoxDeviatingCountryCodeText	Edm.String	true		
POBoxDeviatingRegionCode	Edm.String	true	6	true
POBoxDeviatingRegionCodeText	Edm.String	true		
POBoxID	Edm.String	true	100	true
POBoxPostalCode	Edm.String	true	100	
POBoxPostalCodeText	Edm.String	true		
Phone	Edm.String	true	350	true
PreferredCommunicationMediumTypeCode	Edm.String	true	3	true
PreferredCommunicationMediumTypeCodeText	Edm.String	true		
PrefixCode	Edm.String	true	4	true
PrefixCodeText	Edm.String	true		
ProfessionCode	Edm.String	true	4	true
ProfessionCodeText	Edm.String	true		
RegionCode	Edm.String	true	6	true
RegionCodeText	Edm.String	true		
RoleCode	Edm.String	true	6	true
RoleCodeText	Edm.String	true		
SalesSupportBlock	Edm.Boolean	true		
StatusCode	Edm.String	true	2	true
StatusCodeText	Edm.String	true		
StreetName	Edm.String	true	360	true
StreetPostalCode	Edm.String		100	true
StreetPostalCodeText	Edm.String	true		

Name	Type	Nullable	Max Length	Fixed length
StreetPrefixName	Edm.String	true	240	true
StreetSuffixName	Edm.String	true	240	true
TaxJurisdictionCode	Edm.String	true	25	true
TaxJurisdictionCode-Text	Edm.String	true		
TimeZoneCode	Edm.String	true	10	true
TimeZoneCodeText	Edm.String	true		
TitleCode	Edm.String	true	4	true
TitleCodeText	Edm.String	true		
UUID	Edm.String	true		
Web	Edm.String	true	1280	true

Navigations

Name	FromRole	ToRole
IndividualCustomerAttachment	IndividualCustomer	IndividualCustomerAttachment
IndividualCustomerCommon	IndividualCustomer	IndividualCustomerCommon
IndividualCustomerNotes	IndividualCustomer	IndividualCustomerNotes

3.2.11.2 Individual Customer Attachment

Overview

The Individual Customer Attachment collection provides information about customers who are not associated with a corporate account, and do business with the company directly.

These attachments can be created, updated, and viewed using this collection.

Top Level Entity

IndividualCustomer

Properties

Name	Type	Nullable	Max Length	Fixed length
Binary	Edm.Binary	true		false
CategoryCode	Edm.String	false	1	
CategoryCodeText	Edm.String	true		true
CreatedBy	Edm.String	true	80	true
CreatedOn	Edm.DateTime	true		
DocumentLink	Edm.String	true		false
LastUpdatedBy	Edm.String	true	80	
LastUpdatedOn	Edm.DateTime	true		
LinkWebURI	Edm.String	true		false
MimeType	Edm.String	true		false
Name	Edm.String	true		false
ObjectID	Edm.String	true	70	true
ParentObjectID	Edm.String	true	701	true
TypeCode	Edm.String	true	5	true
TypeCodeText	Edm.String	true		true
UUID	Edm.String	false		

3.2.11.3 Individual Customer Common

Overview

The IndividualCustomerCommon collection provides biographical information of customers.

Top Level Entity

IndividualCustomer

Properties

Name	Type	Nullable	Max Length	Fixed length
AcademicTitleCode	Edm.String	true	4	true
AcademicTitleCodeText	Edm.String	true		
BirthDate	Edm.DateTime	true		
BirthDateProtectedIndicator	Edm.Boolean	true		
EndDate	Edm.DateTime	true		
GenderCode	Edm.String	true	1	true
GenderCodeText	Edm.String	true		
GivenName	Edm.String	true	240	true
MaritalStatusCode	Edm.String	true	1	true
MaritalStatusCodeText	Edm.String	true		
MaritalStatusProtectedIndicator	Edm.Boolean	true		
MiddleName	Edm.String	true	240	true
NationalityCountryCode	Edm.String	true	3	true

Name	Type	Nullable	Max Length	Fixed length
NationalityCountryCodeText	Edm.String	true		
NonVerbalCommunicationLanguageCode	Edm.String	true	1	true
NonVerbalCommunicationLanguageCodeText	Edm.String	true		
ObjectID	Edm.String	true	70	true
OccupationCode	Edm.String	true	4	true
OccupationCodeText	Edm.DateTime	true		
ParentObjectID	Edm.String	true	70	true
StartDate	Edm.DateTime	true		

Navigations

Name	FromEntity	ToEntity	Cardinality
IndividualCustomerCommon	IndividualCustomerCommon	IndividualCustomer	1..*

3.2.11.4 Individual Customer Notes

Overview

The IndividualCustomerNotes collection allows you to add more information about a Customer.

Top Level Entity

IndividualCustomer

Properties

Name	Type	Nullable	Max Length	Fixed length
AuthorName	Edm.Binary	true	40	true
AuthorUUID	Edm.Guide	true		
CreatedBy	Edm.String	true	80	true
CreatedOn	Edm.DateTime	true		
DocumentLink	Edm.String	true		false
LanguageCode	Edm.String	true	2	true
LanguageCodeText	Edm.String	true		
LastUpdatedBy	Edm.String	true	80	true
ObjectID	Edm.String	true	70	true
ParentObjectID	Edm.String	true	70	true
Text	Edm.String	true		false
TypeCode	Edm.String	true	5	true
TypeCodeText	Edm.String	true		true
UpdatedOn	Edm.DateTime	true		

3.2.12 Lead Entity Type

The lead related collections allow you to read and maintain sales leads and related data such as products, parties involved and business transaction document references.
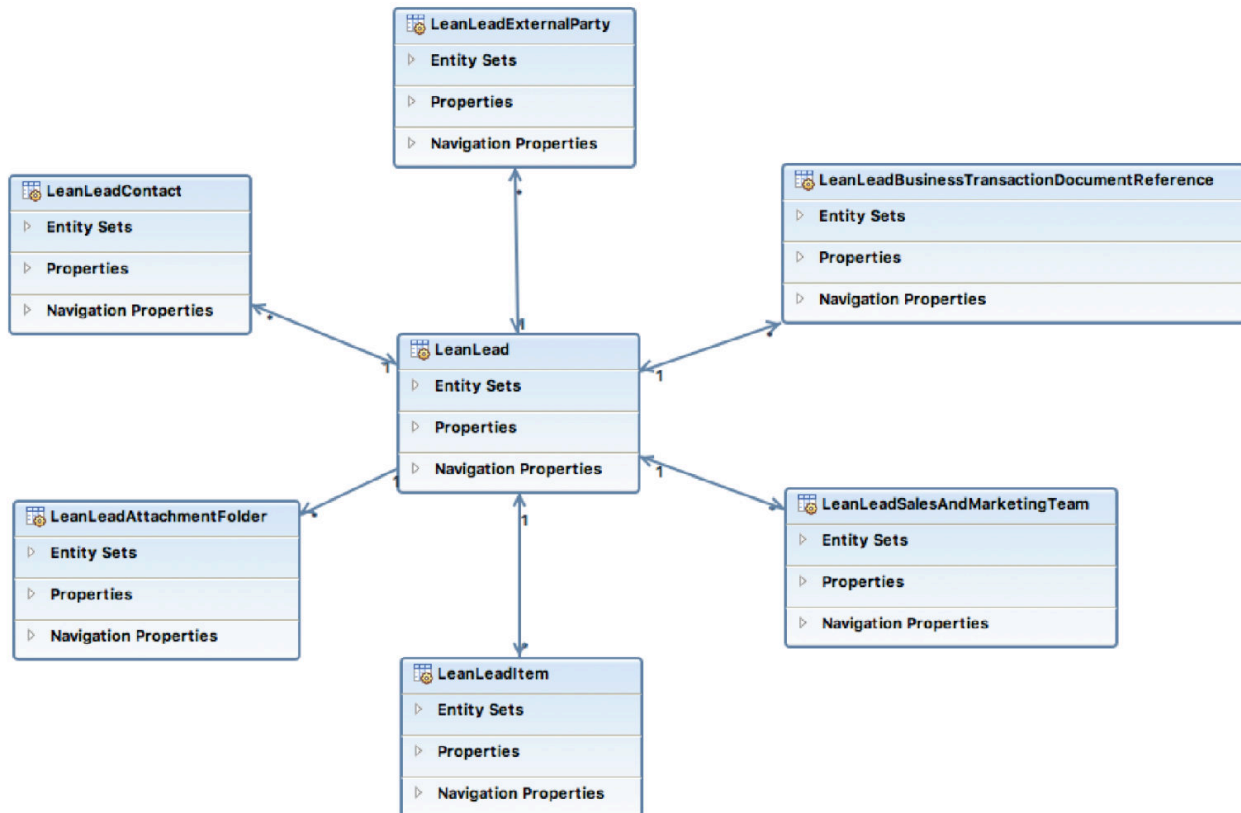
3.2.12.1 Lead

Overview

The Lead collection(LeanLead) represents an individual or organization that a company has the potential to do business with and is based on a similar SAP CRM functionality.

Request Elements

URL

https://<CloudTenant>/sap/c4c/odata/v1/c4codata/LeadCollection

Attribute Definition

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
ID (ID)	Edm.String	true	35	true	
Category (Group-Code)	Edm.String	true	4	true	
Source (OriginType-Code)	Edm.String	true	3	true	
Priority (Priority-Code)	Edm.String	true	1	true	
End Date (End Date)	Edm.DateTime	true		true	
Start Date (Start Date)	Edm.DateTime	true		true	
Processing Type (ProcessingTy-peCodeIea)	Edm.String	true	4	true	
Qualification Level (Qualification-LevelCode)	Edm.String	true	2	true	
Reason Code (Resul-tReasonCode)	Edm.String	true	3	true	
Approval Status (Ap-provalStatusCode)	Edm.String	true	2	true	
Consistency Status (ConsistencySta-tusCode)	Edm.String	true	2	true	
Survey Score (Sur-veyTotalScoreValue)	Edm.Int	true	32	true	
Creation Date Time (CreationDateTime)	Edm.DateTimeOffset	true	7	true	
Distribution Channel (Distribution-ChannelCode)	Edm.String	true	2	true	
Division (Division-Code)	Edm.String	true	2	true	

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
SalesGroupUUID	Edm.Guid	true			
Sales Group (Sales-GroupID)	Edm.String	true	20	true	
SalesOfficeID	Edm.Guid	true	20	true	
SalesOfficeUUID	Edm.Guid	true			
Sales Organisation (SalesOrganisationID)	Edm.String	true	20	true	
SalesOrganisatio-nUUID	Edm.Guid	true			
SalesTerritoryID (SalesTerritoryID)	Edm.String	true	6	true	
Sales Territory Name (SalesTerritoryName)	Edm.String	true	40		
Owner Party ID (Sales) (OwnerPar-tyIDSales)	Edm.String	true	60	true	
Owner UUID (Sales) (OwnerUUIDSales)	Edm.Guid	true			
Owner (Sales) (Own-erSalesName)	Edm.String	true	480	true	
Marketing Unit Party ID (MarketingUnitPar-tyID)	Edm.String	true	60	true	
Marketing Unit Party UUID (MarketingUnit-PartyUUID)	Edm.Guid	true			
Marketing Unit Name (MarketingUnitName)	Edm.Grid	true	480		
Account Party ID (Ac-countPartyID)	Edm.String	true	60	true	
Account Party UUID (AccountPartyUUID)	Edm.Guid	true			

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
AccountPartyName	Edm.String	true	480		
Main Contact ID (ContactID)	Edm.String	true	60	true	
Contact UUID (ContactUUID)	Edm.Guid	true			
Main Contact Name (ContactName)	Edm.String	true	480		
Owner Party ID (OwnerPartyID)	Edm.String	true	60	true	
Owner Party UUID (OwnerPartyUUID)	Edm.Guid	true			
OwnerPartyName	Edm.String	true	480		
Sales Unit Party ID (SalesUnitPartyID)	Edm.String	true	60	true	
Sales Unit Party UUID (SalesUnitPartyUUID)	Edm.Guid	true			
Sales Unit Name (SalesUnitName)	Edm.String	true	480		
Expected Revenue Value (ExpectedRevenueAmount)	Edm.Decimal	true	28		
Expected Revenue Amount Currency (ExpectedRevenueCurrencyCode)	Edm.String	true	3	true	
Name (Name)	Edm.String		255		
Name Language Code (NameLanguageCode)	Edm.String	true	1	true	
Company (Company)	Edm.String	true	40		
Contact First Name (ContactFirstName)	Edm.String	true	40		

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
ContactLastName Contact Last Name)	Edm.String	true	40		
Contact Information Phone (Contact-Phone)	Edm.String	true	40	true	
Contact Information Mobile (ContactMobile)	Edm.String	true	40	true	
Contact Information E-Mail (ContactEmail)	Edm.String	true	100	true	
Customer Information City (AccountCity)	Edm.String	true	40	true	
Customer Information State (AccountState)	Edm.String	true	6	true	
Customer Information Country (AccountCountry)	Edm.String	true	3	true	
Campaign ID (CampaignID)	Edm.String	true	35	true	
EmployeeResponsibleUUID	Edm.Guid				
Account Information Additional Name (CompanySecondName)	Edm.String	true	40	true	
Account Information Additional Name 2 (CompanyThirdName)	Edm.String	true	40	true	
Account Information Additional Name 3 (CompanyFourthName)	Edm.String	true	40	true	

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Account Information ABC Classification (OrganisationAccountABCClassificationCode)	Edm.String	true	1	true	
Account Information Industry (OrganisationAccountIndustrialSectorCode)	Edm.String	true	10		
Customer Information Contact Permission (OrganisationAccountContactAllowedCode)	Edm.String	true	1		
Contact Middle Name (ContactMiddleName)	Edm.String	true	40		
Contact Information Gender (ContactGenderCode)	Edm.String	true	1	true	
Contact Information Academic Title (ContactAcademicTitleCode)	Edm.String	true	4	true	
Contact Information Additional Academic Title (ContactAdditionalAcademicTitleCode)	Edm.String	true	4	true	
Contact Information Contact Permission (ContactAllowedCode)	Edm.String	true	1	true	
Contact Information Title (ContactFormOfAddressCode)	Edm.String	true	4	true	

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Contact Information Nickname (Contact-NickName)	Edm.String	true	40		
Contact Information Marital Status (ContactMaritalStatusCode)	Edm.String	true	1	true	
Contact Information Function (BusinessPartnerRelationshipBusinessPartnerFunctionTypeCode)	Edm.String	true	4	true	
Contact Information Department (BusinessPartnerRelationshipBusinessPartnerFunctionalAreaCode)	Edm.String	true	4	true	
Contact Information Engagement Score (BusinessPartnerRelationshipEngagementScoreNumberValue)	Edm.String	true	100	true	
Contact Information VIP Contact (BusinessPartnerRelationshipContactVIPReasonCode)	Edm.String	true	1	true	
Contact Information Language (ContactCorrespondenceLanguageCode)	Edm.String	true	1	true	
Individual Customer Information Title (IndividualCustomerFormOfAddressCode)	Edm.String	true	4	true	

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Individual Customer Information Academic Title (IndividualCustomerAcademicTitleCode)	Edm.String	true	4	true	
First Name of Indiv. Customer (IndividualCustomerGivenName)	Edm.String	true	40		
Last Name of Indiv. Customer (IndividualCustomerFamilyName)	Edm.String	true	40		
Middle Name of Indiv. Customer (IndividualCustomerMiddleName)	Edm.String	true	40		
Individual Customer Information Gender (IndividualCustomerGenderCode)	Edm.String	true	1	true	
Individual Customer Information Contact Permission (IndividualCustomerContactAllowedCode)	Edm.String	true	1	true	
Individual Customer Information Marital Status (IndividualCustomerMaritalStatusCode)	Edm.String	true	1	true	
Individual Customer Information ABC Classification (IndividualCustomerABCClassificationCode)	Edm.String	true	1	true	

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Individual Customer Information Nationality (IndividualCustomerNationalityCountryCode)	Edm.String	true	3	true	
Individual Customer Information Date of Birth (IndividualCustomerBirthDate)	Edm.DateTime	true		true	
Individual Customer Information Profession (IndividualCustomerOccupationCode)	Edm.String	true	4	true	
Individual Customer Information Initials (IndividualCustomerInitialsName)	Edm.String	true	100		
Individual Customer Information Prefix (IndividualCustomerNamePrefixCode)	Edm.String	true	4	true	
Individual Customer Information Language (IndividualCustomerNonVerbalCommunicationLanguageCode)	Edm.String	true	1	true	
Individual Customer Information Phone (IndividualCustomerPhone)	Edm.String	true	40		
Individual Customer Information E-Mail (IndividualCustomerEMail)	Edm.String	true			
Individual Customer Information Mobile (IndividualCustomerMobile)	Edm.String	true	40		

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Individual Customer Information Postal Code (AccountPostalAddressElementsStreetPostalCode)	Edm.String	true	10		
Account Information County (AccountPostalAddressElementsCountyName)	Edm.String	true	40		
Account Information Address Line 1 (AccountPostalAddressElementsStreetPrefix)	Edm.String	true	40		
Account Information Address Line 2 (AccountPostalAddressElementsAdditionalStreetPrefixName)	Edm.String	true	40		
Individual Customer Information Street (AccountPostalAddressElementsStreetName)	Edm.String	true	60		
Account Information Address Line 4 (AccountPostalAddressElementsStreetSufix)	Edm.String	true	40		
Account Information Address Line 5 (AccountPostalAddressElementsAdditionalStreetSuffixName)	Edm.String	true	40		

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Account Information House Number (AccountPostalAddressElementsHouseID)	Edm.String	true	10	true	
Account Information P.O.Box (AccountPostalAddressElementsPOBoxID)	Edm.String	true	10	true	
Account Information Phone (AccountPhone)	Edm.String	true	40		
Account Information E-Mail (AccountE-Mail)	Edm.String	true			
Account Information Mobile (AccountMobile)	Edm.String	true	40		
Account Information Fax (AccountFax)	Edm.String	true	40		
Account Information Web Site (AccountWebsite)	Edm.String	true			
AccountLatitudeMeasureUnitCode	Edm.String	true	3	true	
Account Information Latitude (AccountLatitudeMeasure)	Edm.Decimal	true	31		
AccountLongitudeMeasureUnitCode	Edm.String	true	3	true	
Account Information Longitude (AccountLongitudeMeasure)	Edm.Decimal	true	31		

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Account Information Language (AccountCorrespondenceLanguageCode)	Edm.String	true	1	true	
AccountPreferredCommunicationMediumTypeCode	Edm.String	true	3	true	
Contact Information Job Title (ContactFunctionalTitleName)	Edm.String	true	40		
Contact Information Department from Business Card (ContactDepartmentName)	Edm.String	true	40		
Contact Information E-Mail Invalid (ContactEMailUsageDeniedIndicator)	Edm.String	true	1	true	
Contact Information Fax (ContactFacsimileFormattedNumberDescription)	Edm.String	true	40		
Contact Information Building (ContactBuildingID)	Edm.String	true	10	true	
Contact Information Floor (ContactFloorID)	Edm.String	true	10	true	
Contact Information Room (ContactRoomID)	Edm.String	true	10	true	
Account Information Legal Form (AccountLegalForm)	Edm.String	true	2	true	

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Account Information D-U-N-S (Account-DUNS)	Edm.String	true	60		
Note (Note)	Edm.String	true			
Account Information Note (ORG_AC-COUNT_NOTES)	Edm.String	true			
Contact Information Note (ContactNote)	Edm.String	true			

Navigation

Name	From Entity	To Entity	Cardinality
LeanLeadAttachmentFolder	LeanLead	LeanLeadAttachmentFolder	0.. *
LeanLeadSalesAndMarketing-Team	LeanLead	LeanLeadSalesAndMarketing-Team	0.. *
LeanLeadExternalParty	LeanLead	LeanLeadExternalParty	0.. *
LeanLeadItem	LeanLead	LeanLeadItem	0.. *
LeanLeadContact	LeanLead	LeanLeadContact	0.. *
LeanLeadBusinessTransactionDocumentReference	LeanLead	LeanLeadBusinessTransactionDocumentReference	0.. *

3.2.12.2 Lead Attachment

Overview

The LeanLeadAttachmentFolder collection provides information about existing attached documents in the Leads.

Request Elements

URL

https://\<CloudTenant\>/sap/c4c/odata/v1/c4codata/LeanLeadAttachmentFolderCollection

Attribute Definition

Name	Type	Nullable	Max Length	Fixed Length	$Search Relevant
Binary	Edm.String	true		false	
CatagoryCode	Edm.String	false	1	true	
CatagoryCodeText	Edm.String	true			
CreatedBy	Edm.String	true	80	true	
CreatedOn	Edm.DateTime	true			
DocumentLink	Edm.String	true			
LastUpdatedBy	Edm.String	false	80	true	
LastUpdatedOn	Edm.DateTime	true			
LinkWebURL	Edm.String	true		false	
MimeType	Edm.String	true		false	
Name	Edm.String	true		false	
ObjectID	Edm.String	true	70	true	
PrimaryObjectID	Edm.String	true	70	true	
TypeCode	Edm.String	true	5	true	
TypeCodeText	Edm.String	true			
UUID	Edm.Guid	false			

3.2.12.3 Lead Business Document Relationship

Overview

The LeanLeadBusinessTransactionDocumentReference collection provides information about business document references for leads.

Top Level Entity

LeanLead

Request Elements

URL

https://<CloudTenant>/sap/c4c/odata/v1/c4codata/LeanLeadBusinessTransactionDocumentReference

Collection

Properties

Name	Type	Nullable	Max Length	Fixed Length	$Search Relevant
ObjectID	Edm.String	false	70	true	
ParentObjectID	Edm.String	true	70	true	
ID	Edm.String	true	35		
TypeCode	Edm.String	true	15	true	
UUID	Edm.String	true		true	
ItemID	Edm.String	true	10	true	
ItemTypeCode	Edm.String	true	5	true	
ItemUUID	Edm.Guid	true			
BusinessTransac-tionDocumentRela-tionshipRoleCode	Edm.String	true	3	true	

Notifications

Name	FromEntity	ToEntity	Cardinality
LeanLead	LeanLeadBusinessTransac-tionDocumentReference	LeanLead	1 .. 1
Appointment	LeanLeadBusinessTransac-tionDocumentReference	Appointment	1 .. 1
PhoneCall	LeanLeadBusinessTransac-tionDocumentReference	PhoneCall	1 .. 1
EMail	LeanLeadBusinessTransac-tionDocumentReference	EMail	1 .. 1

Name	FromEntity	ToEntity	Cardinality
Task	LeanLeadBusinessTransactionDocumentReference	Task	1 .. 1

3.2.12.4 Lead Involved Parties

Overview

The LeanLeadInvolvedParties collection provides information about involved parties in the leads.

Top Level Entity

LeanLead

Request Elements

URL

https://<CloudTenant>/sap/c4c/odata/v1/c4codata/LeanLeadExternalPartyCollection

Properties

Name	Type	Nullable	Max Length	Fixed Length	$Search Relevant
EMail	Edm.String	true	765	true	
Mobile	Edm.String	true	350	true	
PartyName	Edm.String	true	480		
ObjectID	Edm.String	false	70	true	
ParentObjectID	Edm.String	true	70	true	
PartyID	Edm.String	true	60		
PartyUUID	Edm.String	true			
Phone	Edm.String	true	350	true	

Name	Type	Nullable	Max Length	Fixed Length	$Search Relevant
MainIndicator	Edm.String	true			
MainPartyContact-PartyID	Edm.String	true	60	true	
MainPartyContact-PartyName	Edm.String	true			
MainPartyContact-PartyUUID	Edm.String	true			
RoleCode	Edm.String	true	10	true	

Navigation

Name	FromEntity	ToEntity	Cardinality
LeanLead	LeanLeadExternalParty	LeanLead	1 .. 1

3.2.12.5 Lead Sales and Marketing Team

Overview

The LeanLeadSalesAndMarketingTeam collection provides information about sales and marketing team of leads.

Top Level Entity

LeanLead

Request Elements

URL

https://<CloudTenant>/sap/c4c/odata/v1/c4codata/LeanLeadSalesAndMarketingTeamCollection

Properties

Name	Type	Nullable	Max Length	Fixed Length	$Search Relevant
EMail	Edm.String	true	765	true	
Mobile	Edm.String	true	350	true	
PartyName	Edm.String	true			
ObjectID	Edm.String	false	70	true	
ParentObjectID	Edm.String	true	70	true	
PartyID	Edm.String	true	60		
PartyUUID	Edm.Guidt	true			
Phone	Edm.String	true	350	true	
MainIndicator	Edm.String	true			
RoleCode	Edm.String	true	10	true	

Navigations

Name	FromEntity	ToEntity	Cardinality
LeanLead	LeanLeadSalesAndMarketing-Team	LeanLead	1 .. 1

3.2.12.6 Lead Product

Overview

The LeanLeadItem collection provides information about products in the Leads.

Top Level Entity

LeanLead

Properties

Name	Type	Nullable	Max Length	Fixed Length	$Search Relevant
ProductCategory-Description	Edm.String	true	80		
ProductCategor-yInternalID	Edm.String	true	20	true	
Description	Edm.String	true	40		
ID	Edm.String	true	10	true	
ObjectID	Edm.String	true	70	true	
ParentObjectID	Edm.String	true	70	true	
ProductID	Edm.String	true	60		
Quantity	Edm.Decimal	true	31		
unitCode	Edm.String	True	3		

Navigations

Name	FromEntity	ToEntity	Cardinality
LeanLead	LeanLeadItem	LeanLead	1 .. 1

3.2.12.7 Lead Contact

Overview

The LeanLeadContact collection provides information about all the contacts related to an account of the lead. This collection cannot be created using OData service. There is a main single contact and multiple contacts for an opportunity.

Top Level Entity

LeanLead

Request Elements

URL

https://<CloudTenant>/sap/c4c/odata/v1/c4codata/LeanLeadContactCollection

Properties

Name	Type	Nullable	Max Length	Fixed Length
PartyID	Edm.String	false	1	true
PartyUUID	Edm.UUID	true		false
EMail	Edm.String	true	80	true
Mobile	Edm.DateTime	true		
PartyName	Edm.String	true	80	true
ObjectID	Edm.DateTime	true		
Phone	Edm.String	true		false
MainIndicator	Edm.Boolean	true		false

Navigations

Name	FromEntity	ToEntity	Cardinality
LeanLead	LeanLead_LeanLeadContact	LeanLead	1 .. 1

3.2.13 Sales Lead Entity Type (Deprecated)

The Sales Lead related collections allow you to read and maintain Sales Leads and related data such as products, parties involved and business transaction document references.
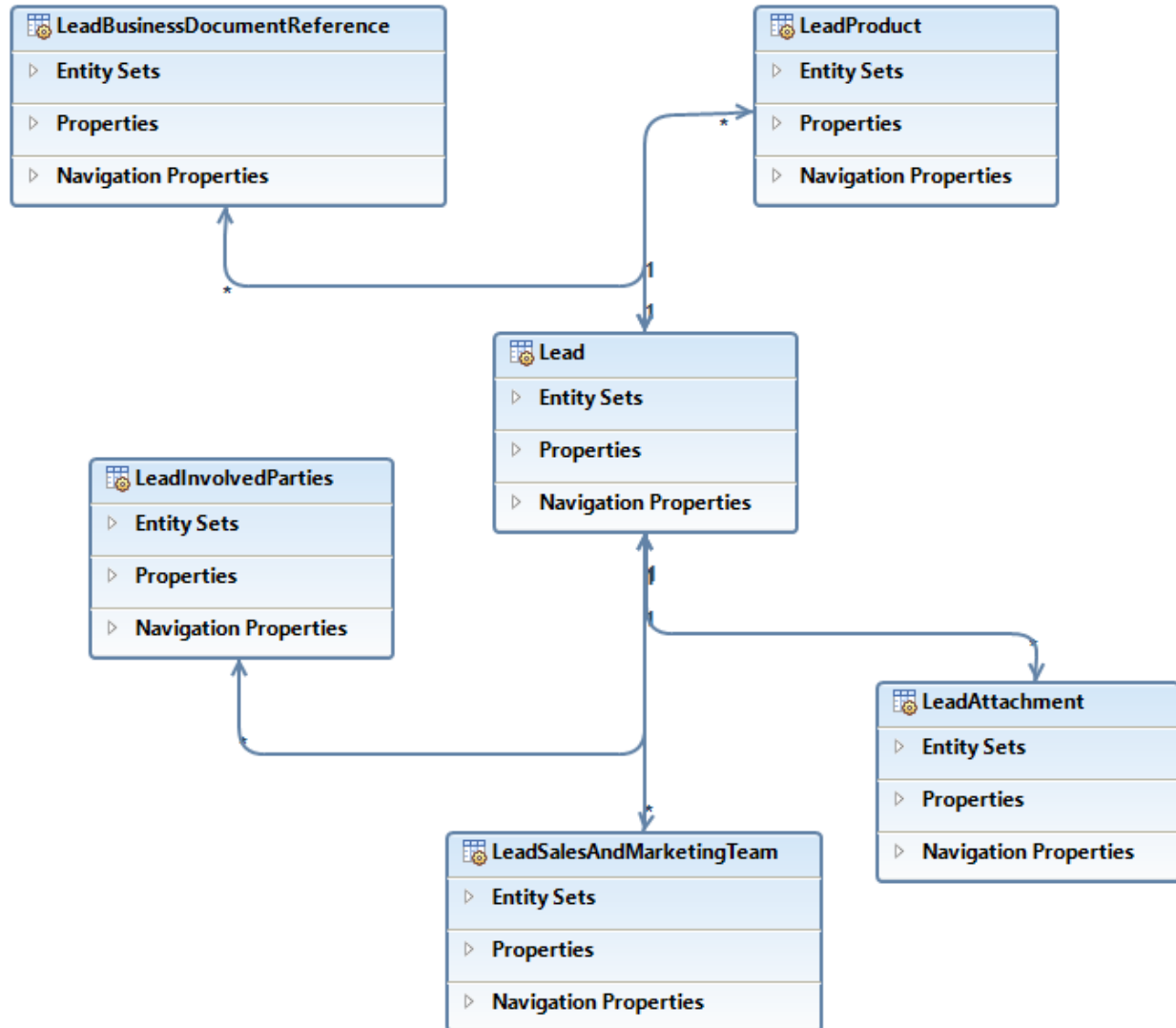
3.2.13.1 Sales Lead (Deprecated)

Overview

The Sales Lead collection provides information about existing Sales Leads.

Request Elements

URL

https://<CloudTenant>/sap/c4c/odata/v1/c4codata/LeadCollection

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
AccountID	Edm.String	true	60	true	
AccountName	c4codata.EN-CRYPTED_LONG_Name	true			
AccountUUID	Edm.Guid	true			
CatagoryCode	Edm.String	true	4	true	
CatagoryCodeText	Edm.String	true			
ChangedBy	Edm.String	true	480	true	
ChangedByUUID	Edm.Guid	true			
ChangedOn	Edm.DateTime	true			
ConversionStatus-Code	Edm.String	true	2	true	
ConversionStatusCo-deText	Edm.String	true			
CreatedBy	Edm.String	true	480	true	
CreatedByUUID	Edm.Guide	true			
CreatedOn	Edm.DateTimeOffset	true			
EndDate	Edm.DateTime	true			
LeadConsistancy-Code	Edm.String	false	2	true	
LeadConsistancyCo-deText	Edm.String	true			

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
LeadID	Edm.String	true	35	true	true
MarketingOwnerFor-mattedName	Edm.String	true	480	true	
MarketingOwnerID	Edm.String	true	60	true	
MarketingOwnerUUID	Edm.Guid	true			
MarketingOwnerFor-mattedName	Edm.String	true	480	true	
MarketingUnitUUID	Edm.Guid	false			
Name	c4codata.EX-TENDED_Name	false			
ObjectID	Edm.String	false	70	true	
PrimaryContactUUID	Edm.Guid	true			
PriorityCode	Edm.String	true	1	true	
PriorityCodeText	Edm.String	true			
ProcessingDatePer-iod	c4co-data.CLOSED_Date-Period	true			
QualificationLevel-Code	Edm.String	true	2	true	
QualificationLevelCo-deText	Edm.String	true			
ReasonForStatus-Code	Edm.String	false	2	true	
ReasonForStatusCo-deText	Edm.String	true			
SalesOwnerID	Edm.String	true	60	true	
SalesOwnerUUID	Edm.Guid	true			
SalesTerritoryID	Edm.String	true	6	true	
SalesTerritoryUUID	Edm.Guid	true			

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
SalesUnitID	Edm.String	true	60	true	
SalesUnitUUID	Edm.Guid	true			
SourceCode	Edm.String	true	3	true	
SourceCodeText	Edm.String	true			
StartDate	Edm.DateTime	true			
StatusCode	Edm.String	false	2	true	
StatusCodeText	Edm.String	true			
UUID	Edm.Guid	true			

Navigations

Name	FromEntity	ToEntity	Cardinality
LeadAttachment	Lead	LeadAttachment	1 .. *
LeadBusinessDocumentReference	Lead	LeadBusinessDocumentReference	1 .. *
LeadInvolvedParties	Lead	LeadInvolvedParties	1 .. *
LeadProduct	Lead	LeadProduct	1 .. *
LeadSalesAndMarketingTeam	Lead	LeadSalesAndMarketingTeam	1 .. *

3.2.13.2 Sales Lead Attachment (Deprecated)

Overview

The LeadAttachment collection provides information about existing attached documents in Sales Leads.

Top Level Entity

Lead

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Binary	Edm.String	true		false	
CatagoryCode	Edm.String	false	1	true	
CatagoryCodeText	Edm.String	true			
CreatedBy	Edm.String	true	80	true	
CreatedOn	Edm.DateTime	true			
DocumentLink	Edm.String	true			
LastUpdatedBy	Edm.String	false	80	true	
LastUpdatedOn	Edm.DateTime	true			
LinkWebURL	Edm.String	true		false	
MimeType	Edm.String	true		false	
Name	Edm.String	true		false	
ObjectID	Edm.String	ture	70	true	
PrimaryObjectID	Edm.String	true	70	true	
TypeCode	Edm.String	true	5	true	
TypeCodeText	Edm.String	true			
UUID	Edm.Guid	false			

3.2.13.3 Sales Lead Business Document Reference (Deprecated)

Overview

The LeadBusinessDocumentReference collection provides information about business document references for Sales Leads.

Top Level Entity

Lead

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
ObjectID	Edm.String	false	70	true	
ParentObjectID	Edm.String	true	70	true	
ID	Edm.String	true	35		
TypeCode	Edm.String	true	15	true	
TypeCodeText	Edm.String	true		true	
UUID	Edm.String	true		true	
ItemID	Edm.String	true	10	true	
ItemTypeCode	c4codata.EN-CRYPTED_LONG_Name	true	5	true	
ItemTypeCodeText	Edm.String	true			
ItemUUID	Edm.Guid	true			

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
BusinessTransaction-DocumentRelation-shipRoleCode	Edm.String	true	3	true	
BusinessTransaction-DocumentRelation-shipRoleCodeText	Edm.String	true			

Navigations

Name	FromEntity	ToEntity	Cardinality
Lead	LeadBusinessDocumentReference	Lead	1 .. 1
Lead	LeadBusinessDocumentReference	Opportunity	1 .. 1
Lead	LeadBusinessDocumentReference	Appointment	1 .. 1
Lead	LeadBusinessDocumentReference	EMail	1 .. 1
Lead	LeadBusinessDocumentReference	PhoneCall	1 .. 1

3.2.13.4 Sales Lead Involved Parties (Deprecated)

Overview

The LeadInvolvedParties collection provides information about involved parties in Sales Leads.

Top Level Entity

Lead

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
EMail	Edm.String	true	765	true	
Mobile	Edm.Strin	true	350	true	
Name	c4codata.EN-CRYPTED_LONG_Name	true			
ObjectID	Edm.String	false	70	true	
ParentObjectID	Edm.String	true	70	true	
PartyID	Edm.String	true	60		
PartyUUID	Edm.Guidt	true			
Phone	Edm.String	true	350	true	
Primary	Edm.String	true			
PrimaryContactID	Edm.String	true	60	true	
PrimaryContactName	c4codata.EN-CRYPTED_LONG_Name	true			
PrimaryContactUUID	Edm.String	true			
RoleCode	Edm.String	true	10	true	
RoleCodeText	Edm.String	true			

Navigations

Name	FromEntity	ToEntity	Cardinality
Lead	LeadInvolvedParties	Lead	1 .. 1

3.2.13.5 Sales Lead Product (Deprecated)

Overview

The LeadProduct collection provides information about products in Sales Leads.

Top Level Entity

Lead

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Category	c4codata.ME-DIUM_Description	true			
CategoryID	Edm.String	true	20	true	
Description	Edm.String	true			
ID	c4codata.SHORT_De-scription	true	10	true	
ObjectID	Edm.String	true	70	true	
ParentObjectID	Edm.String	true	70	true	
ProductID	Edm.String	true	60		
Quantity	c4codata.Quantity	true			

Navigations

Name	FromEntity	ToEntity	Cardinality
Lead	LeadProduct	Lead	1 .. 1

3.2.13.6 Lead Sales and Marketing (Deprecated)

Overview

The LeadSalesAndMarketingTeam collection provides information about Sales and Marketing team of Sales Leads.

Top Level Entity

Lead

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Email	Edm.String	true	765	true	
Mobile	Edm.Strin	true	350	true	
Name	c4codata.EN-CRYPTED_LONG_Name	true			
ObjectID	Edm.String	false	70	true	
ParentObjectID	Edm.String	true	70	true	
PartyID	Edm.String	true	60		
PartyUUID	Edm.Guidt	true			

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Phone	Edm.String	true	350	true	
Primary	Edm.String	true			
RoleCode	Edm.String	true	10	true	
RoleCodeText	Edm.String	true			

Navigations

Name	FromEntity	ToEntity	Cardinality
Lead	LeadInvolvedParties	Lead	1 .. 1

3.2.14 Opportunity Entity Type

The Opportunity related collections allow you to read and maintain Opportunities and related data such as products, sales teams and parties involved and sales activities performed.
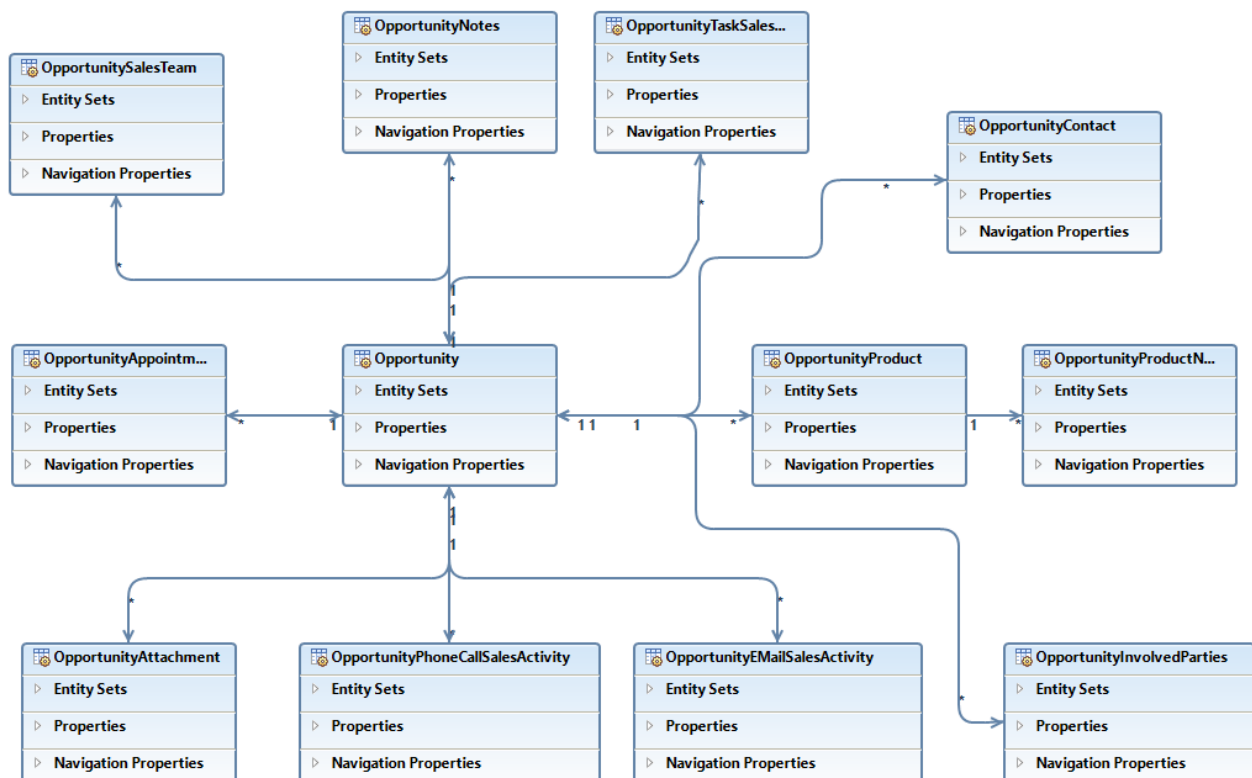
3.2.14.1 Opportunity

Overview

The Opportunity collection provides information about all opportunities, and these opportunities represent potential sales. They can be displayed, edited, and even new ones can be created. Opportunities that are converted from Lead can also be edited.

Properties

Name	Type	Nullable	Max Length	Fixed length
AccountID	Edm.String	true	60	true
AccountName	Edm.String	true		
AccountUUID		true		
ApprovalStatusCode	Edm.String	true	2	
ApprovalStatusCode-Text				
CatagoryCode	Edm.String	true	4	true
CatagoryCodeText	Edm.String	true		
ChangedBy	Edm.String	true	480	true
ChangedByUUID	Edm.Guid	true		
ChangedOn	Edm.DateTime	true		
CloseDate	Edm.DateTime	true		
ConsistencyStatus-Code	Edm.String	true		
ConsistencyStatusCo-deText	Edm.String	true	2	
CreatedByFormatted-Name	Edm.String	true	480	
CreatedByUUID	Edm.String	true		

Name	Type	Nullable	Max Length	Fixed length
CreatedOn	Edm.DateTime	true		
CustomStatusCode	Edm.String	true	5	true
CustomStatusCodeText	Edm.String	true		
DistributionChannel-Code	Edm.String	true	2	true
DistributionChannelCo-deText	Edm.String	true		
DivisionCode	Edm.String	true	2	true
DivisionCodeText	Edm.String	true		
DocumentTypeCode	Edm.String	true	4	true
DocumentTypeCode-Text	Edm.String	true		
ExpectedValue		false		
ForcastCatagoryCode	Edm.String	true	4	true
ForcastCatagoryCode-Text	Edm.String	true		
LastChangeDate	Edm.DateTime	true		
Name		false		
ObjectID	Edm.String	false	70	true
OpportunityID	Edm.String	true	35	true
OwnerID	Edm.String	true	60	true
OwnerName		true		
OwnerUUID	Edm.Guid	true		
PrimaryContactID	Edm.Sraing			
PrimaryContactName	c4codata.EN-CRYPTED_LONG_Name	false		
PrimaryContactUUID	Edm.Guid	true		
PriorityCode	Edm.String	true	1	true

Name	Type	Nullable	Max Length	Fixed length
PriorityCodeText	Edm.String	true		
ProbabilityPercent	Edm.Decimal	true		
ProgressCode	Edm.String	true	2	true
ProgressCodeText	Edm.String	true		
PublishToForcast	Edm.Boolean	true		
ReasonForStatusCode	Edm.DateTime	true	3	true
ReasonForStatusCode-Text	Edm.String	true		
SalesCycleCode	Edm.String	true	3	true
SalesCycleCodeText	Edm.String			
SalesGroupID	Edm.String	true	20	true
SalesOfficeID	Edm.String	true	20	true
SalesOrganisationID	Edm.String	true	20	true
SalesOrganisationUUID	Edm.Guid	true		
SalesPhaseCode	Edm.String	true	3	true
SalesPhaseCodeText	Edm.String	true		
SalesTerritoryID	Edm.String	true	6	true
SalesTerritoryUUID	Edm.Guid	true		
SalesUnitID	Edm.String	true	60	true
SalesUnitUUID	Edm.Guid	true		
SourceCode	Edm.String	true	3	true
SourceCodeText	Edm.String	true		
StartDate	Edm.StartDate	true		
StatusCode	Edm.String	true	2	true
StatusCodeText	Edm.String	true		
TotalNegotiatedValue	Edm.String	false		

Name	Type	Nullable	Max Length	Fixed length
UUID	Edm.Guid	false		
WeightedValue	Edm.String	false		

Navigations

Name	FromRole	ToRole
OpportunityAppointmentSalesActivity	Opportunity	OpportunityAppointmentSalesActivity
OpportunityAttachment	Opportunity	OpportunityAttachment
OpportunityContact	Opportunity	OpportunityContact
OpportunityEmailSalesActivity	Opportunity	OpportunityEmailSalesActivity
OpportunityInvolvedParties	Opportunity	OpportunityInvolvedParties
OpportunityNotes	Opportunity	OpportunityNotes
OpportunityPhoneCallSalesActivity	Opportunity	OpportunityPhoneCallSalesActivity
OpportunitySalesTeam	Opportunity	OpportunitySalesTeam
OpportunityTaskSalesActivity	Opportunity	OpportunityTaskSalesActivity

3.2.14.2 Opportunity Appointment Sales Activity

Overview

The OpportunityAppointmentSalesActivity collection provides information about all the sales activities of opportunities, and these opportunities represent potential sales. These are the activities which are created in order to follow up with Opportunities. These activities include Appointments, Tasks, PhoneCalls, and E-mails.

Top Level Entity

Opportunity

Properties

Name	Type	Nullable	Max Length	Fixed length
DueDateTime	c4codata.LOCALNOR-MALISED_DateTime	true		
ID	Edm.String	true	35	
ObjectID	Edm.String	true	70	true
OwnerID	Edm.String	true	60	true
BusinessTransaction-DocumentRelationshi-pRoleCode	Edm.String	true	3	true
BusinessTransaction-DocumentRelationshi-pRoleCodeText	Edm.String			
OwnerName	c4codata.EN-CRYPTED_LONG_Name	true		
OwnerUUID	Edm.Guid			
ParentObjectD	Edm.String	true	70	true
SalesPhaseCode	Edm.String	true	3	true
SalesPhaseCodeText	Edm.String	true		
StartDateTime	Edm.DateTimeOffset	true		
StatusCode	Edm.String	true	2	true
StatusCodeText	Edm.String	true		
Subject	Edm.String	true	765	true
TypeCode	Edm.String	true	12	true
TypeCodeText	Edm.String	true		
UUID	Edm.Guid	true		

Navigations

Name	FromEntity	ToEntity	Cardinality
Opportunity	OpportunityAppointmentSale-sActivity	Opportunity	1..*

3.2.14.3 Opportunity Attachment

Overview

The OpportunityAttachment collection provides information about all the attachments for opportunities, and these opportunities represent potential sales. The attachments can be links, images, etc.

Top Level Entity

Opportunity

Properties

Name	Type	Nullable	Max Length	Fixed length
Binary	Edm.Binary	true		false
CategoryCode	Edm.String	true	1	true
CategoryCodeText	Edm.String	true	60	true
CreatedBy	Edm.String	true	80	true
CreatedOn	Edm.DateTime			
DocumentLink	Edm.String	true		
LastUpdatecBy	Edm.String	true	80	true
LastUpdatedOn	Edm.DateTime	true		

Name	Type	Nullable	Max Length	Fixed length
LinkWebURL	Edm.String	true		false
MimeType	Edm.String	true		false
Name	Edm.String	true		false
ObjectD	Edm.String	true	70	true
ParentObjectD	Edm.String	true	70	true
TypeCode	Edm.String	true	5	true
TypeCodeText	Edm.String	true		false
UUID	Edm.Guid	false		

3.2.14.4 Opportunity Contact

Overview

The OpportunityContact collection provides information about all the contacts related to an Account of the Opportunity, and these opportunities represent potential sales. This collection cannot be created using OData service. There is a main single contact and multiple contacts for an opportunity.

Top Level Entity

Opportunity

Properties

Name	Type	Nullable	Max Length	Fixed length
Address	Edm.Binary	true		false
ContactID	Edm.String	false	1	true

Name	Type	Nullable	Max Length	Fixed length
ContactUUID	Edm.UUID	true		false
EMail	Edm.String	true	80	true
Mobile	Edm.DateTime			
Name	Edm.String	true	80	true
ObjectID	Edm.DateTime	true		
Phone	Edm.String	true		false
PrimaryContact	Edm.Boolean	true		false
RoleCode	Edm.DateTIme	true		false
RoleCodeText	Edm.String	true	70	true

3.2.14.5 Opportunity Email Sales Activity

Overview

The OpportunityEmailSalesActivity collection provides information about all the e-mail activities created in order to follow up with the Opportunity.

Top Level Entity

Opportunity

Properties

Name	Type	Nulla-ble	Max Length	Fixed length
ID	Edm.Guid	true		

Name	Type	Nullable	Max Length	Fixed length
ObjectID	Edm.String	true	70	true
OwnerID	Edm.String	true	60	true
OwnerName	c4codata.EN-CRYPTED_LONG_Name	true		
OwnerUUID	Edm.Guid			
ParentObjectD	Edm.String	true	70	true
SalesPhaseCode	Edm.String	true	3	true
SalesPhaseCodeText	Edm.String	true		
StartDateTime	Edm.DateTimeOffset	true		
StatusCode	Edm.String	true	2	true
StatusCodeText	Edm.String	true		
Subject	Edm.String	true	765	true
TypeCode	Edm.String	true	15	true
TypeCodeText	Edm.String	true		
UUID	Edm.Guid	true		

Navigations

Name	FromEntity	ToEntity	Cardinality
Opportunity	OpportunityEmailSalesActivity	Opportunity	1..*

3.2.14.6 Opportunity Involved Parties

Overview

The OpportunityInvolvedParties collection provides information about all the parties involved in the Opportunity. A Party can be an employee/organization, who is involved in the Opportunity. They can be a business partner pertaining to a specialized business Objects, Customer, Supplier, or an Employee. It can also be an organizational center in the specialized business objects of FunctionalUnit.

Top Level Entity

Opportunity

Properties

Name	Type	Nullable	Max Length	Fixed length
Address	Edm.String	true	480	true
Email	Edm.String	true	765	true
Mobile	Edm.String	true	350	true
Name	c4codata.EN-CRYPTED_LONG_Name	true	70	
ObjectID	Edm.String	true	70	true
ParentObjectD	Edm.String	true	70	true
PartyID	Edm.String	true	60	true
PartyUUID	Edm.Guid	true		
Phone	Edm.String	true	350	true
Primary	Edm.Boolean	true		
PrimaryContactID	Edm.String	true	60	true

Name	Type	Nullable	Max Length	Fixed length
PrimaryContactName	c4codata.EN-CRYPTED_LONG_Name	true		
PrimaryContactUUID	Edm.String	true		
RoleCode	Edm.String	true	10	true
RoleCodeText	Edm.String	true		

Navigations

Name	FromEntity	ToEntity	Cardinality
Opportunity	OpportunityInvolvedParties	Opportunity	1..*

3.2.14.7 Opportunity Notes

Overview

The OpportunityNotes collection provides information about all the text collections or the notes related to an Opportunity. Examples of text types include explanation texts, internal comments, and shipping instructions.

Top Level Entity

Opportunity

Properties

Name	Type	Nullable	Max Length	Fixed length
ParentObjectID	Edm.String	true	70	true
ObjectID	Edm.String	true	70	true
TypeCode	Edm.String	true	5	true
LanguageCode	Edm.String	true	2	true
Text	Edm.String	false		false
CreatedOn	Edm.DateTime	true	21	true
UpdatedOn	Edm.DateTime	true	21	true
CreatedBy	Edm.DateTime	true	80	true
LastUpdatedBy	Edm.String	true	80	true
AuthorName	Edm.String	true	40	true
AuthorUUID	Edm.Guid	true	36	true
LanguageCodeText	Edm.String	true		

3.2.14.8 Opportunity Phone Call Sales Activity

Overview

The OpportunityContact collection provides information about all the contacts related to an Account of the Opportunity, and these opportunities represent potential sales. This collection cannot be created using OData service. There is a main single contact and multiple contacts for an opportunity.

Top Level Entity

Opportunity

Properties

Name	Type	Nulla-ble	Max Length	Fixed length
ID	Edm.Guid	true		
ObjectID	Edm.String	true	70	true
BusinessTransaction-DocumentRelationshi-pRoleCode	Edm.String	true	3	true
BusinessTransaction-DocumentRelationshi-pRoleCodeText	Edm.String			
OwnerID	Edm.String	true	60	true
OwnerName	c4codata.EN-CRYPTED_LONG_Name	true		
OwnerUUID	Edm.Guid			
ParentObjectD	Edm.String	true	70	true
SalesPhaseCode	Edm.String	true	3	true
SalesPhaseCodeText	Edm.String	true		
StartDateTime	Edm.DateTimeOffset	true		
StatusCode	Edm.String	true	2	true
StatusCodeText	Edm.String	true		
Subject	Edm.String	true	765	true
TypeCode	Edm.String	true	15	true
TypeCodeText	Edm.String	true		
UUID	Edm.Guid	false		

Navigations

Name	FromEntity	ToEntity	Cardinality
Opportunity	OpportunityPhoneCallSalesActivity	Opportunity	1..*

3.2.14.9 Opportunity Product

Overview

The OpportunityProduct collection provides information about all the items/products of an Opportunity. An item is a possibility of selling a quantity of a product or service. It contains product information, quantity, and values.

Top Level Entity

Opportunity

Properties

Name	Type	Nullable	Max Length	Fixed length
Description	c4codata.SHORT_Description	false		
ID	Edm.Stringe	true	10	true
NegotiatedValue	c4codata.Amount	false		
ObjectID	Edm.String	true	70	true
ParentObjectD	Edm.String	true	70	true
ProductCategoryDescription	c4codata.MEDIUM_Description	false		

Name	Type	Nullable	Max Length	Fixed length
ProductCategoryID	Edm.String	true	20	true
ProductDescriptione	c4codata.SHORT_Description	false		
ProductID	Edm.String	true		
ProductUUID	Edm.Guid	true		
ProposedValue	c4codata.Amount	false		
Quantity	c4codata.Quantity	false		
RevenueEndDate	Edm.DateTime	true		
RevenueStartDate	Edm.DateTime	true		

Navigations

Name	FromEntity	ToEntity	Cardinality
Opportunity	OpportunityProduct	Opportunity	1..*
OpportunityProductNotes	OpportunityProduct	OpportunityProductNotes	1..*

3.2.14.10 Opportunity Product Notes

Overview

The OpportunityProductNotes collection consists of all natural-language texts that refers to an item in an Opportunity.

Top Level Entity

Opportunity

Properties

Name	Type	Nullable	Max Length	Fixed length
ParentObjectID	Edm.String	true	70	true
ObjectID	Edm.String	true	70	true
TypeCode	Edm.String	true	5	true
TypeCodeText	Edm.String	true		
LanguageCode	Edm.String	true	2	true
Text	Edm.String	false		false
CreatedOn	Edm.DateTime	true	21	true
UpdatedOn	Edm.DateTime	true	21	true
CreatedBy	Edm.DateTime	true	80	true
LastUpdatedBy	Edm.String	true	80	true
AuthorName	Edm.String	true	40	true
AuthorUUID	Edm.Guid	true	36	true
LanguageCodeText	Edm.String	true		

3.2.14.11 Opportunity Sales Team

Overview

The OpportunitySalesTeam collection specifies a party working on an Opportunity as part of the Sales Team.

Top Level Entity

Opportunity

Properties

Name	Type	Nullable	Max Length	Fixed length
Email	Edm.String	true	765	true
FormattedName	c4codata.EN-CRYPTED_LONG_Name	true		
Main	Edm.Boolean	true		
ObjectID	Edm.String	true	70	true
ParentObjectD	Edm.String	true	70	true
PartyUUID	Edm.Guid	true		
Phone	Edm.String	true	350	true
RoleCode	Edm.String	true		
RoleCodeText	Edm.String	true		

Navigations

Name	FromEntity	ToEntity	Cardinality
Opportunity	OpportunitySalesTeam	Opportunity	1..*

3.2.14.12 Opportunity Tasks Sales Activity

Overview

The OpportunityTasksSalesActivity collection provides information about all the task activities created in order to follow up with the Opportunity..

Top Level Entity

Opportunity

Properties

Name	Type	Nulla-ble	Max Length	Fixed length
DueEndDateTime	c4codata.LOCALNOR-MALISED_DateTime	true		
ID	Edm.Guid	true		
ObjectID	Edm.String	true	70	true
OwnerID	Edm.String	true	60	true
OwnerName	c4codata.EN-CRYPTED_LONG_Name	true		
OwnerUUID	Edm.Guid			
ParentObjectD	Edm.String	true	70	true
PriorityCode	Edm.String	true	1	true
PriorityCodeText	Edm.String			
SalesPhaseCode	Edm.String	true	3	true
SalesPhaseCodeText	Edm.String	true		
StartDateTime	Edm.DateTimeOffset	true		
StatusCode	Edm.String	true	2	true
StatusCodeText	Edm.String	true		
Subject	Edm.String	true	765	true
TypeCode	Edm.String	true	15	true
TypeCodeText	Edm.String	true		
UUID	Edm.Guid	true		

Navigations

Name	FromEntity	ToEntity	Cardinality
Opportunity	OpportunityTasksSalesActivity	Opportunity	1..*

3.2.15 Phone Call Entity Type

The PhoneCall related collections allow you to read and maintain information about PhoneCalls with business partners and participants in those phone calls.
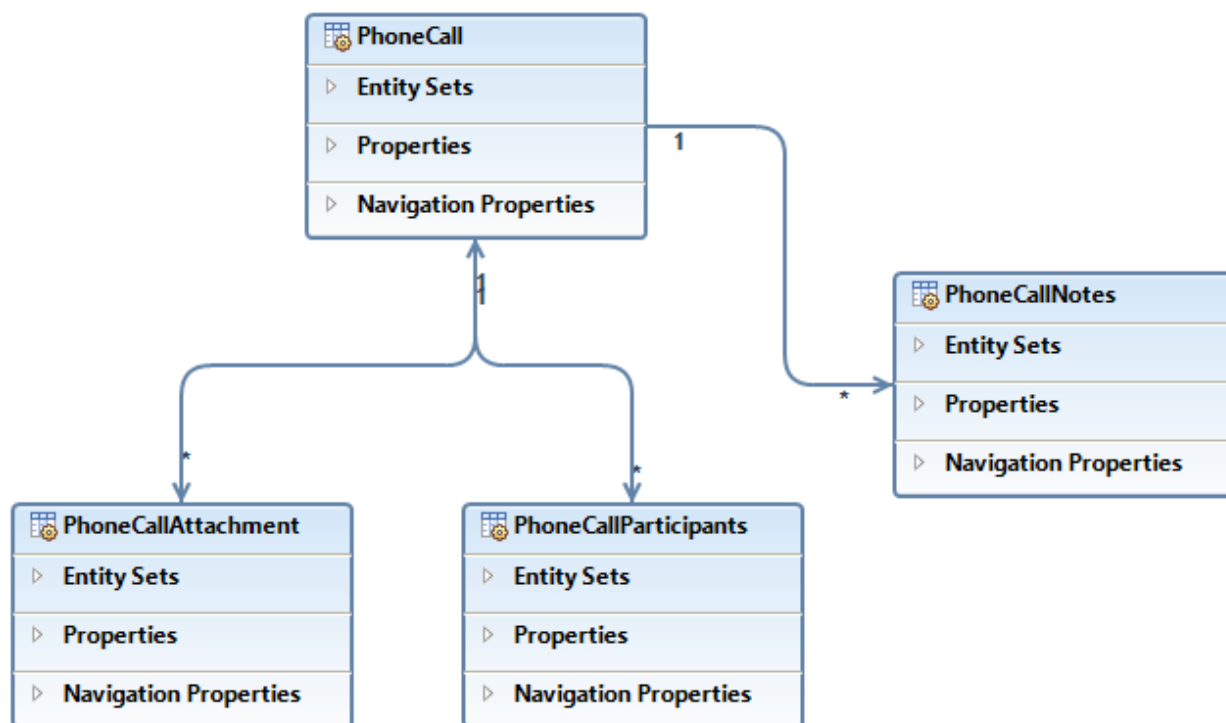
3.2.15.1 Phone Call

Overview

The PhoneCall collection allows you to track and document your phone calls with business partners.

Request Elements

URL

https://<CloudTenant>/sap/c4c/odata/v1/c4codata/PhoneCallCollection

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
AccountFormatted-Name	c4codata.EN-CRYPTED_LONG_Name	false			
AccountUUID	Edm.Guid	true			
CampaignDescrip-tion	c4codata.ME-DIUM_Description	false			
CampaignUUID	Edm.Guid	true			
CatagoryCode	Edm.String	true	4	true	
CatagoryCodeText	Edm.Decimal	true			
CreatedByFormat-tedName	Edm.String	true	480		
CreatedByUUID	Edm.Guid	true			
CreatedOn	Edm.DateTimeOff-set	true			
DateTime	c4codata.LOCAL-NORMALISED_Da-teTime	true			
DirectionCode	Edm.String	true	1		
DirectionCodeText	Edm.String	true			
ID	Edm.String	true	35	true	true
ObjectID	Edm.String	true	70	true	
OwnerFormatted-Name	c4codata.EN-CRYPTED_LONG_Name	false			

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
OwnerUUID	Edm.Guid	true			
Phone	Edm.String	true	350	true	
PrimaryContact-FormattedName	c4codata.EN-CRYPTED_LONG_Name	false			
PrimaryContac-tUUID	Edm.Guid	true			
PriorityCode	Edm.String	true	1	true	
PriorityCodeText	Edm.String	true			
ResponseOption-Description	c4codata.ME-DIUM_Description	false			
ResponseOptionID	Edm.String	true	10	true	
StatusCode	Edm.String	true	2	true	
StatusCodeText	Edm.String	true			
SubjectName	Edm.String	true	765	true	true
TypeCode	Edm.String	true	15	true	
TypeCodeText	Edm.String	true			

Navigations

Name	FromEntity	ToEntity	Cardinality
PhoneCallNotes	PhoneCall	PhoneCallNotes	1..*
PhoneCallParticipants	PhoneCall	PhoneCallParticipants	1..*
PhoneCallAttachment	PhoneCall	PhoneCallAttachment	1..*

3.2.15.2 Phone Call Attachment

Overview

The PhoneCallAttachment collection provides information about the existing attached documents of a Phone Call.

Top Level Entity

Phone Call

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Binary	Edm.Binary	true		false	
CategoryCode	Edm.String	false	1	true	
CategoryCodeText	Edm.String	true			
CreatedBy	Edm.String	true	80	true	
CreatedOn	Edm.DateTime	true			
DocumentLink	Edm.String	true		false	
LastUpdatedBy	Edm.String	true	80	true	
LastUpdatedOn	Edm.String	true			
LinkWebURL	Edm.String	ture		false	
MimeType	Edm.String	true		false	
Name	Edm.String	true		false	
ObjectID	Edm.String	true	70	true	
PrimaryObjectID	Edm.String	true	70	true	
TypeCode	Edm.String	true	5	true	

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
TypeCodeText	Edm.String	true			
UUID	Edm.Guid	false			

3.2.15.3 Phone Call Notes

Overview

The Phone Call Notes collection allows you to track and document your phone calls with the business partners.

Top Level Entity

Phone Call

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
AuthorName	Edm.String	true	40	true	
AuthorUUID	Edm.Guid	true			
CreatedBy	Edm.String	true	80	true	
CreatedOn	Edm.DateTime	true			
LanguageCode	Edm.String	true	2	true	
LanguageCodeText	Edm.String	true			
LastUpdatedBy	Edm.String	true	80	true	
ObjectID	Edm.String	ture	70	true	

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
PrimaryObjectID	Edm.String	true	70	true	
Text	Edm.String	true		false	
TypeCode	Edm.String	true	5	true	
TypeCodeText	Edm.String	true			
UUID	Edm.Guid	false			

3.2.15.4 Phone Call Participants

Overview

The Phone Call Participants collection allows to track and document your phone calls with your business partners.

Top Level Entity

Phone Call

Properties

Name	Type	Nullable	Max Length	Fixed length
Address	Edm.String	true	480	true
EMail	Edm.String	true	765	true
Name	c4codata.EN-CRYPTED_LONG_Name	true		
ObjectID	Edm.String	true	70	true
ParentObjectID	Edm.String	true	70	true

Name	Type	Nullable	Max Length	Fixed length
PartyID	Edm.String	true	60	true
PartyUUID	Edm.String	true		
Phone	Edm.Strring	true	350	true
RoleCode	Edm.DateTIme	true	10	false
RoleCodeText	Edm.String	true		

Navigations

Name	FromEntity	ToEntity	Cardinality
PhoneCall	PhoneCallParticipants	PhoneCallN	1..*

3.2.16 Product Entity Type

The Product related collections allow you to read and maintain products, and categories and sales organization they are assigned to.
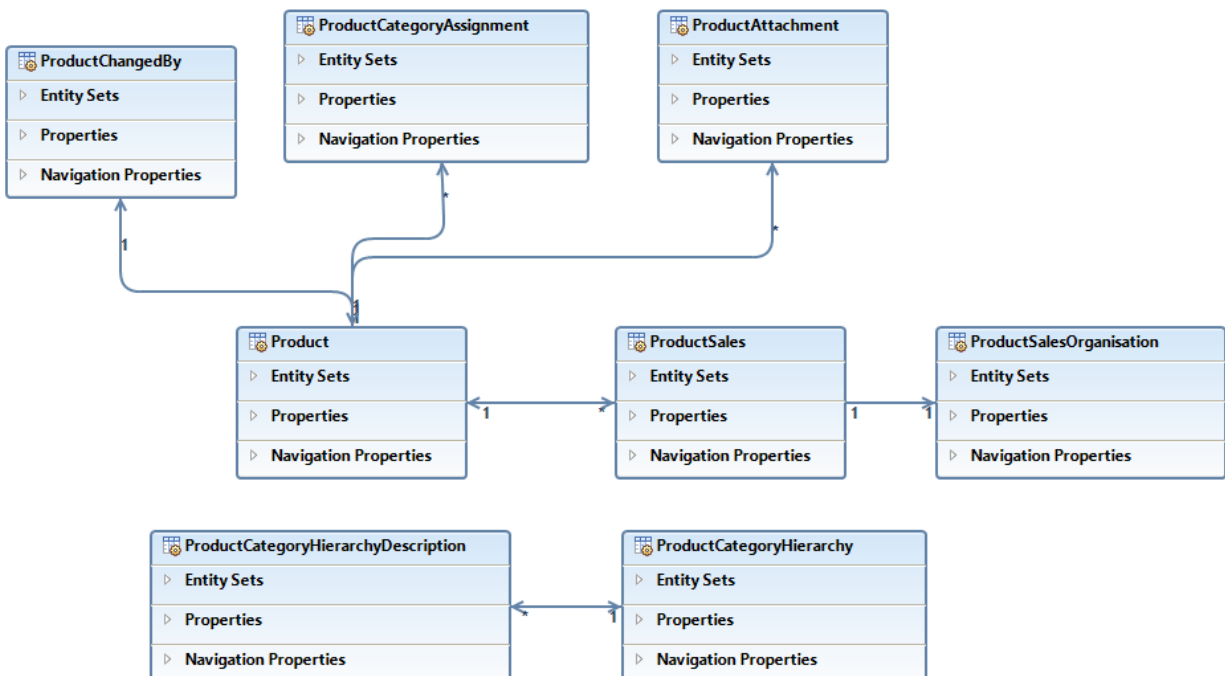
3.2.16.1 Product

Overview

A Product is an article or a substance that is manufactured or refined for sale. It can be part of any object instance such as an Opportunity or Lead etc. Hence, this entity allows you to create, view, and update the product in an organizational master data

Request Elements

URL

https://<CloudTenant>/sap/c4c/odata/v1/c4codata/ProductCollection

Properties

Name	Type	Nullable	Max Length	Fixed length
ChangedOn	Edm.DateTimeOffset	false		
CreatedBy	Edm.String	false	480	true
CreatedOn	Edm.DateTimeOffset	false		
Description	Edm.String	true		
LanguageCode	Edm.String	true	1	true
LanguageCodeText	Edm.String	true		
ID	Edm.String	true	40	true
ObjectID	Edm.String	false	70	true
StatusCode	Edm.String	true	2	true
StatusCodeText	Edm.String	true		
UUID	Edm.Guid	false		
UnitOfMeasureCode	Edm.String	true	3	true

Name	Type	Nullable	Max Length	Fixed length
UnitOfMeasureCode-Text	Edm.String	true		

Navigations

Name	FromEntity	ToEntity	Cardinality
ProductAttachment	Product	ProductAttachment	1..*
ProductCategoryAssignment	Product	ProductCategoryAssignment	1..*
ProductChangedBy	Product	ProductChangedBy	1..*
ProductSales	Product	ProductSales	1..*

3.2.16.2 Product Attachment

Overview

The Product Attachment collection provides information about new or existing attached documents of a Product.

Top Level Entity

Product

Properties

Name	Type	Nullable	Max Length	Fixed length
Binary	Edm.Binary	false		false
CategoryCode	Edm.String	false		true

Name	Type	Nullable	Max Length	Fixed length
CategoryCodeText	Edm.String	true		
CreatedBy	Edm.String	true	80	true
CreatedOn	Edm.DateTime	true		
DocumentLink	Edm.String	true		
LastUpdatedBy	Edm.String	true	80	true
LastUpdatedOn	Edm.DateTime	true		
LinkWebURL	Edm.String	true		false
MimeType	Edm.String	true		false
Name	Edm.String	true		false
ObjectID	Edm.String	true	70	true
ParentObjectID	Edm.String	true	70	true
TypeCode	Edm.String	true	5	true
TypeCodeText	Edm.String	true		
UUID	Edm.Guid	false		

3.2.16.3 Product Category Assignment

Overview

The ProductCategoryAssignment collection provides a category that is associated to a product. This entity helps you to assign a category to a product.

Properties

Name	Type	Nullable	Max Length	Fixed length
ObjectID	Edm.String	true	70	true
ParentObjectID	Edm.String	true	70	true
ProductCategoryDe-scription	c4codata.MEDIUM_De-scription	true		
ProductCategoryID	Edm.String	true	20	true
ProductCategoryUUID	Edm.Guid	true		

Navigations

Name	FromEntity	ToEntity	Cardinality
Product	ProductCategoryAssignment	Product	1..*

3.2.16.4 Product Category Hierarchy

Overview

The Product Category collection contains a tree structure where the Top level hierarchy has multiple sub categories. A Product can be associated with any of these sub categories or the Top level Hierarchy ID.

Properties

Name	Type	Nullable	Max Length	Fixed length
InternalID	Edm.String	true	20	true
ObjectID	Edm.String	true	70	true

Name	Type	Nullable	Max Length	Fixed length
ParentInternalID	Edm.String	true	20	true
ProductAssignmentAl-lowedIndicator	Edm.Boolean	true		

Navigations

Name	FromEntity	ToEntity	Cardinality
ProductCategoryHierarchyDe-scription	ProductCategoryHierarchy	ProductCategoryHierarchyDe-scription	1..*

3.2.16.5 Product Category Hierarchy Description

Overview

The Product Category Hierarchy Description collection provides a Product description of all category hierarchies.

Properties

Name	Type	Nullable	Max Length	Fixed length
Description	Edm.String	true	80	true
ObjectID	Edm.String	true	70	true
ParentObjectID	Edm.String	true	70	true
LanguageCode	Edm.String	true	1	true
LanguageCodeText	Edm.String	true		

Navigations

Name	FromEntity	ToEntity	Cardinality
ProductCategoryHierarchy	ProductCategoryHierarchyDe-scription	ProductCategoryHierarchy	1..*

3.2.16.6 Product ChangedBy

Overview

The Product Changed By collection provides information about the Business Partner, who recently changed the Product. This is a read-only entity.

Properties

Name	Type	Nullable	Max Length	Fixed length
BusinessPartnerFor-mattedName	Edm.String	true	480	true
ObjectID	Edm.String	true	70	true

3.2.16.7 Product Sales

Overview

The Product Sales collection provides information about the Sales Organization from which the Product is to be procured from. Here, we maintain data such as the Quantity and its Unit of Measure, the distribution channel etc. as mentioned below. We can also track the procurement status.

Top Level Entity

Product

Properties

Name	Type	Nullable	Max Length	Fixed length
DistributionChannel-Code	Edm.String	true	2	true
DistributionChannelCo-deText	Edm.String	true		
MinimumOrderQuantity	c4codata.Quantity	true		
ObjectID	Edm.String	true	70	true
ParentObjectID	Edm.String	true	70	true
SalesOrganisationID	Edm.String	true	20	true
SalesOrganisationUUID	Edm.String	true		
SalesUoMCode	Edm.String	true	3	true
SalesUoMCodeText	Edm.String	true		
StatusCode	Edm.String	true	2	true
StatusCodeText	Edm.String	true		

Navigations

Name	FromEntity	ToEntity	Cardinality
Product	ProductSales	Product	1..*
ProductSalesOrganisation	ProductSales	ProductSalesOrganisation	1..*

3.2.16.8 Product Sales Organisation

Overview

The ProductSalesOrganisation collection provides the Sales Organization Information ID of their corresponding Product

Top Level Entity

Product

Properties

Name	Type	Nullable	Max Length	Fixed length
ObjectID	Edm.String	true	70	true

3.2.17 Service Request Entity Type

The ServiceRequest related collections allow you to read and maintain information about ServiceRequest list of open, completed and in process tickets.
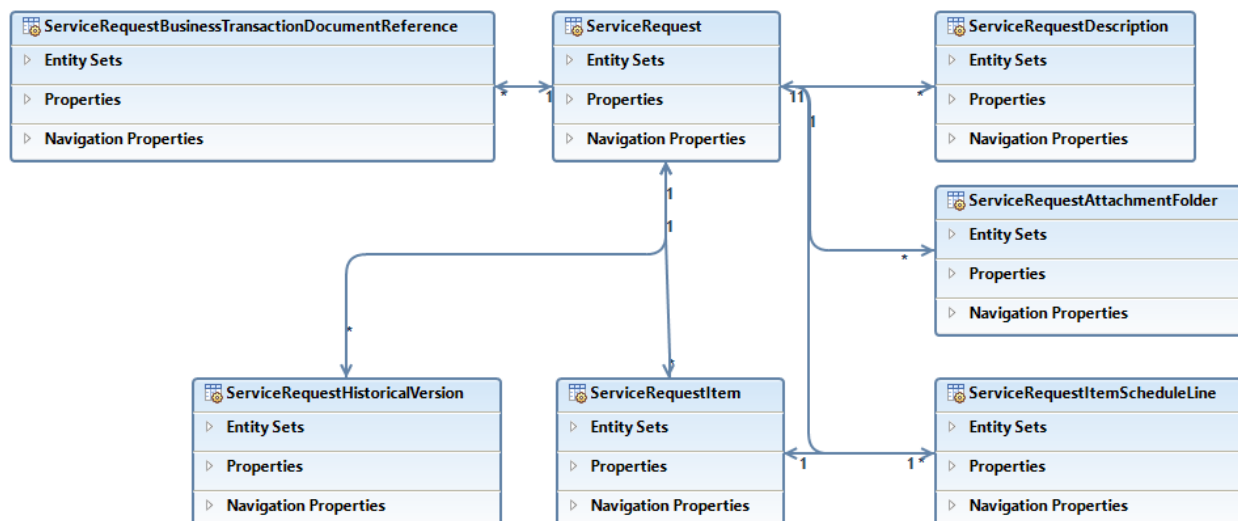
3.2.17.1 Service Request

Overview

The ServiceRequest collection provides information about list of open, completed and in process tickets. Multiple tasks can be performed on tickets such as creation, assignment of ticket, status change, adding notes, priority change etc.

Properties

Name	Type	Description
ActivityCategoryName	c4codata.MEDIUM_Name	Indicates the type of response action made on the ticket
ActivityServiceIssueCategoryID	Edm.String	Indicates the activity level service category assigned to the ticket
ApprovalStatusCode	Edm.String	Indicates the approval status of the ticket: 1- Not Started 2 - Approval Not Necessary 3- In Approval 4- Approved 5 - Rejected 6 - In Revision 7 - Withdrawn
ApprovalStatusCodeText	Edm.String	Stores the text for the above mentioned codes
AssignedTo	Edm.String	Indicates to whom the ticket is assigned.
AssignedToName	c4codata.ENCRYPTED_LONG_Name	Specify to whom you wish to assign the ticket.
CauseCategoryName	c4codata.MEDIUM_Name	Indicates the cause of the issue raised by the ticket
CauseServiceIssueCategoryID	Edm.String	Indicates the cause level service category assigned to the ticket

Name	Type	Description
ChangedBy	Edm.String	Indicates the user who has made the changes.
CompletedOnDate	Edm.DateTime	Indicates the date on which the ticket was addressed completely
CompletionDueDate	Edm.DateTime	Indicates the due date for addressing the ticket
Contract	Edm.String	Specity the relevant contract person for the ticket
ContractID	Edm.String	Indicates the relevant contract ID for the ticket
CreatedBy	Edm.String	Indicates the user who has created the ticket
CreationDate	Edm.DateTime	Indicates the date of creation of the ticket
CreationDateTime	Edm.DateTimeOffset	Indicates the date and time of the ticket
Customer	Edm.String	Indicates the customer who owns the ticket
CustomerID	Edm.String	Indicates the customer ID for the ticket
DataOriginTypeCode	Edm.String	Indicates the origin of the data present in the ticket: 1 - Manual Data Entry 4 - Internet 5 - E-Mail 6 - Social Media 7 - Chat 8 - Telephony
DataOriginTypeCodeText	Edm.String	Stores the text for the above mentioned codes
EscalationStatus	Edm.String	Indicates the escalation status of the ticket
EscalationStatusText	Edm.String	Indicates the esclation description for the escalation status ticket
ID	Edm.String	Indicates the formatted name of the customer
IncidentCategoryName	c4codata.MEDIUM_Name	Indicates the incident raised in the ticket

Name	Type	Description
IncidentServiceIssueCategoryID	Edm.String	Indicates the incident level service category assigned to the ticket
InitialResponseDate	Edm.DateTime	Indicates the date on which the ticket was initially responded to
InitialReviewDueDate	Edm.DateTime	Indicates the due date for initial review of the ticket
InstallationPointID	Edm.String	Indicates the ID of the installation point of the product for which the ticket was raised
InstalledBaseID	Edm.String	Indicates the ID of the base where the product, for which the ticket was raised, is present.
ItemListServiceRequestExecutionLifeCycleStatusCode	Edm.String	Indicates the status of the ticket: 1 - Open 2 - In Planning 3 - Ready 4 - Partially Ready 5 - Started 6 - Finished 7 - Not Relevant
ItemListServiceRequestExecutionLifeCycleStatusCodeText	Edm.String	Stores the text for the above mentioned codes
LastChangeDate	Edm.DateTime	Indicates the date on which the latest changes were made to the ticket
LastChangeDateTime	Edm.DateTimeOffset	Indicates the date and time on which the latest changes were made to the ticket
LastResponseOnDate	Edm.DateTime	Indicates the date on which the last response was made on the ticket
Name	c4codata.EXTENDED_Name	Indicates the subject of the ticket
NextResponseDueDate	Edm.DateTime	Indicates the due date for the next response on the ticket

Name	Type	Description
ObjectCategoryName	servicerequest.MEDIUM_Name	Indicates the object mentioned in the ticket
ObjectID	Edm.String	Indicates the unique hexadecimal ID for the ticket
ObjectServiceIssueCategoryID	Edm.String	Indicates the object level service category assigned to the ticket
ParentServiceRequest	Edm.String	Indicates the parent service request for the ticket
Partner	Edm.String	Indicates the partner who has raised the ticket on behalf of the customer
PartnerID	Edm.String	Indicates the partner ID who has raised the ticket on behalf of the customer
ProcessingTypeCode	Edm.String	Indicates the type of processing done on the ticket: SRRE - Employee Support Ticket SRRQ - Service Request ZCLM - Claim (Z) ZHRQ - Employee Support (Z)
ProcessingTypeCodeText	Edm.String	Stores the text for the above mentioned codes
ProductCategoryDescription	Edm.String	Indicates the description of the product category used in the ticket
ProductID	Edm.String	Indicates the product ID used in the ticket
ReferenceDate	Edm.DateTime	Indicates the date of reference for the ticket
ReportedForEmail	Edm.String	Indicates the E-Mail ID of the party on behalf of which the ticket was raised
ReportedForPartyID	Edm.String	Indicates the party ID on behalf of which the ticket was raised
ReporterEmail	Edm.String	Indicates the E-Mail ID of the party who raised the ticket
ReporterPartyID	Edm.String	Indicates the Party ID who raised the ticket

Name	Type	Description
RequestAssignmentStatusCode	Edm.String	Indicates the request assignment status code for the ticket
RequestAssignmentStatusCodeText	Edm.String	Indicates the request assignment status code text for the ticket
RequestedEnd	Edm.String	Indicates the requested end for the ticket t
RequestedEndTimeZoneCode	Edm.String	Indicates the requested end time zone for the ticket
RequestedStart	Edm.String	Indicates the requested start date for the ticket
RequestedStartTimeZoneCode	Edm.String	Indicates the requested end time zone for the ticket
RoleCode	Edm.String	Indicates the role code for the ticket
RoleCodeText	Edm.String	Indicates the role code text for the ticket
SalesTerritoryID	Edm.String	Indicates the territory ID for sales
SerialID	Edm.String	Indicates the serial ID assigned to the ticket
ServiceAndSupportTeam	Edm.String	Indicates the service and support team for the ticket
ServiceCategoryName	c4codata.MEDIUM_Name	Indicates the type of service required for the Ticket
ServiceIssueCategoryID	Edm.String	Indicates the service level service category assigned to the ticket
ServiceLevelAgreement	Edm.String	Indicates the service level agreement for the ticket
ServicePriorityCode	Edm.String	Indicates the priority of the ticket: 1 - Immediate 2 - Urgent 3 - Normal 7 - Low
ServicePriorityCodeText	Edm.String	Stores the text for the above mentioned codes
ServiceRequestClassificationCode	Edm.String	Stores the classification code for the above mentioned codes

Name	Type	Description
ServiceRequestClassificationCodeText	Edm.String	Stores the classification code text for the above mentioned codes
ServiceRequestLifeCycleStatusCode	Edm.String	Indicates the user life cycle status code for the ticket: 1 - Open 2 - In Process 4 - Customer Action 5 - Completed 6 - Closed
ServiceRequestLifeCycleStatusCodeText	Edm.String	Stores the text for the above mentioned codes
ServiceRequestUserLifeCycleStatusCode	Edm.String	Stores the user lfie cycle status code for the above mentioned codes
ServiceRequestUserLifeCycleStatusCodeText	Edm.String	Stores the user lfie cycle status code text for the above mentioned codes
ServiceTechnician	Edm.String	Indicates the service technician for the ticket
ServiceTechnicianTeam	Edm.String	Indicates the service technician team for the ticket
WarrantyDescription	Edm.String	Indicates the description of the warranty applicable
WarrantyFrom	Edm.DateTime	Indicates the start date of the warrznty
WarrantyTo	Edm.DateTime	Indicates the end date of the warranty

Navigations

Name	FromEntity	ToEntity	Cardinality
ServiceRequestAttachment-Folder	ServiceRequest	ServiceRequestAttachment-Folder	1 .. *
ServiceRequestBusinessTransactionDocumentReference	ServiceRequest	ServiceRequestBusinessTransactionDocumentReference	0...*
ServiceRequestDescription	ServiceRequest	ServiceRequestDescription	1.. *

Name	FromEntity	ToEntity	Cardinality
ServiceRequestItem	ServiceRequest	ServiceRequestItem	0.. *
ServiceRequestServiceRequestHistoricalVersion	ServiceRequest	ServiceRequestServiceRequestHistoricalVersion	0 .. *
ServicePointLocationAddress	ServiceRequest	ServicePointLocationAddress	0...1

3.2.17.2 Service Point Location Address

Overview

The ServicePointLocationAddress Entity collection provides information about the service location where the service has to be provided.

Top Level Entity

ServiceRequest

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
AddressLine1	Edm.String	true	240	true	
AddressLine2	Edm.String	true	240	true	
AddressLine4	Edm.String	true	240	true	
AddressLine5	Edm.String	true	240	true	
City	Edm.String	true	240	true	
Country	Edm.String	true	3	true	
CountryText	Edm.String	true			
County	Edm.String	true	240	true	

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
District	Edm.String	true	240	true	
Email	Edm.String	true	765	true	
Fax	Edm.String	true	350	true	
HouseNumber	Edm.String	true	100	true	
Language	Edm.String	true	1	true	
LanguageText	Edm.String	true			
Mobile	Edm.String	true	350	true	
ObjectID	Edm.String	true	70	true	
ParentObjectID	Edm.String	true	70	true	
Phone	Edm.String	true	350	true	
POBox	Edm.String	true	100	true	
POBoxPostalCode	Edm.String	true	100	true	
POBoxPostalCode-Text	Edm.String	true			
PostalCode	Edm.String	true	100	true	
PostalCodeText	Edm.String	true			
State	Edm.String	true	6	true	
StateText	Edm.String	true			
Street	Edm.String	true	360	true	
WebSite	Edm.String	true	1280	true	

3.2.17.3 Service Request Attachment Folder

Overview

The ServiceRequestAttachmentFolder Entity collection provides information about various attachments like Documents, and Images etc. associated to a particular ticket.

These attachment types can be created and viewed using this collection.

Top Level Entity

ServiceRequest

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
AddressLine1	Edm.Binary	true	1	false	
Binary	Edm.String	false		true	
CategoryCode	Edm.String	true	80		
CategoryCodeText	Edm.String	true		true	
CreatedBy	Edm.String	true			
CreatedOn	Edm.DateTime	true	80		
DocumentLink	Edm.String	true			
LastUpdatedBy	Edm.String	true		true	
LastUpdatedOn	Edm.DateTime	true			
LinkWebURI	Edm.String	true		false	
MimeType	Edm.String	true		false	
Name	Edm.String	true		false	
ObjectID	Edm.String	true	70	true	
ParentObjectID	Edm.String	true	70	true	
TypeCode	Edm.String	true	5	true	
TypeCodeText	Edm.String	true			
UUID	Edm.Guid	false			

3.2.17.4 Service Request Business Transaction Document Reference

Overview

The ServiceRequestBusinessTransactionDocumentReference collection provides information about follow up documents of service request.

Top Level Entity

ServiceRequest

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
ObjectID	Edm.String	true	70	true	
ParentObjectID	Edm.String	true	70	true	
ID	Edm.String	true	35		
RoleCode	Edm.String	true	3		
RoleCodeText	Edm.String	true			
SocialMediaChan-nelCode	Edm.String	true	3	true	
SocialMediaChan-nelCodeText	Edm.String	true			
TypeCode	Edm.String	true	15		
TypeCodeText	Edm.String	true			

Navigations

Name	FromEntity	ToEntity	Cardinality
ServiceRequestBusinessTransactionDocumentReference	ServiceRequestBusinessTransactionDocumentReference	ServiceRequest	1

3.2.17.5 ServiceRequestDescription

Overview

The ServiceRequestDescription collection provides information and allows you to view and add more information related to the ticket. All details such as any email, interaction are mentioned here and used for further processing.

Top Level Entity

ServiceRequest

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
AuthorName	Edm.String	true	40	true	
AuthorUUID	Edm.Guid	true			
CreatedBy	Edm.String	true	80	true	
CreatedOn	Edm.DateTime	true			
LanguageCode	Edm.String	true	2	true	
LanguageCodeText	Edm.String	true			
LastUpdatedBy	Edm.String	true	80	true	
ObjectID	Edm.String	true	70	true	
ParentObjectID	Edm.String	true	70	true	

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
Text	Edm.String	true		false	
TypeCode	Edm.String	true	5	true	
TypeCodeText	Edm.String	true			
UpdatedOn	Edm.DateTime	true			

3.2.17.6 Service Request Item

Overview

The ServiceRequestItem collection provides information about the products mentioned in the tickets, which are open, completed, and in process. Multiple items can be created and it can be updated.

Top Level Entity

ServiceRequest

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
ObjectID	Edm.String	true	70	true	
ParentObjectID	Edm.String	true	70	true	
Dsescription	Edm.String	true	40	true	
ProductCategory-Descripiton	Edm.String	true	80	true	
ProductID	Edm.String	true	60	true	
ProductDescritp-tion	Edm.String	true	40	true	

Navigations

Name	FromEntity	ToEntity	Cardinality
ServiceRequestItem	ServiceRequestItem	ServiceRequest	1
ServiceRequestItemSchedule-Line	ServiceRequestItem	ServiceRequestItemSchedule-Line	0...*

3.2.17.7 Service Request Item ScheduleLine

Overview

The ServiceRequestFirstRequestedItemScheduleLine collection provides details of quantity of scheduled items mentioned in the service request.

Top Level Entity

ServiceRequest

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
ObjectID	Edm.String	true	70	true	true
ParentObjectID	Edm.String	true	70	true	true
Quantity	c4codata.Quantity	false		false	

Navigations

Name	FromEntity	ToEntity	Cardinality
ServiceRequestItem	ServiceRequestItemSchedule-Line	ServiceRequestItem	1
ServiceRequest	ServiceRequestItemSchedule-Line	ServiceRequest	1

3.2.17.8 Service Request Service Request Historical Version

Overview

The ServiceRequestServiceRequestHistoricalVersion collection provides information and allows you to view and information about Historical data related to the ticket. It provides information such as start and end time, processor party, teams involved previously.

Top Level Entity

ServiceRequest

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
EndDateTime	Edm.DateTime	true	21	true	
EscalationStatus-Code	Edm.String	true	2	true	
MainIncidentServi-ceIssueCategory-CatalogueID	Edm.String	true	25	true	
MainIncidentServi-ceIssueCategoryID	Edm.String	true	25	true	
ObjectID	Edm.String	true	70	true	

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
ParentObjectID	Edm.String	true	70	true	
ProcessorPartyUUID	Edm.Guid	true	36	true	
SalesAndServiceBusinessAreaServiceOrganisationUUID	Edm.Guid	true	36	true	
ServiceRequestLifeCycleStatusCode	Edm.String	true	2	true	
ServiceSupportTeamPartyUUID	Edm.Guid	true	36	true	
ServiceTermServiceIssueCategoryCatalogueID	Edm.String	true	25	true	
ServiceTermServiceIssueCategoryID	Edm.String	true	25	true	
ServiceTermsServicePriorityCode	Edm.String	true	1	true	
ServiceTermsServiceRequestUserLifeCycleStatusCode	Edm.String	true	2	true	
StartDateTime	Edm.DateTimeOffset	true	21	true	

Navigations

Name	FromEntity	ToEntity	Cardinality
ServiceRequest	ServiceRequestServiceRequestHistoricalVersion	ServiceRequest	1

3.2.17.9 Service Issue Category Catalogue

Overview

The ServiceIssueCategoryCatalogue collection provides reference to the Catalogue which contains the Category selection for the Service Request. It contains a hierarchical structure and is used to define various categories on

Service Request. These categories may change over a period of time and thus can have multiple versions but only one active version is used for a particular day

Top Level Entity

ServiceIssueCategory

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
ObjectID	Edm.String	true	70	true	
EndDateTime	Edm.DateTimeOff-set	true			
StartDateTime	Edm.DateTimeOff-set	true			
VersionID	Edm.String	true	32	true	
LifeCycleStatus-Code	Edm.String	true	3	true	
LifeCycleStatusCo-deText	Edm.String	true			

Navigations

Name	FromEntity	ToEntity	Cardinality
ServiceIssueCategoryCatalo-gueCategory	ServiceIssueCategoryCata-logue	ServiceIssueCategoryCatalo-gueCategory	0...*
ServiceIssueCategoryCatalo-gueParentCategory	ServiceIssueCategoryCatalo-gueCategory	ServiceIssueCategoryCatalo-gueParentCategory	

3.2.17.10 Service Issue Category Catalogue Category

Overview

The ServiceIssueCategoryCatalogueCategory collection provides category details of the Service Category Catalogue

Top Level Entity

ServiceIssueCategoryCatalogue

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
ObjectID	Edm.String	true	70	true	
ParentObjectID	Edm.String	true	70	true	
Name	servicerequest.ME-DIUM_Name	false			
ServiceIssueCate-goryID	Edm.String	true	25	true	
UUID	Edm.Guid	true			
TypeCode	Edm.String	true	3	true	
TypeCode Text	Edm.String	true			

Navigations

Name	FromEntity	ToEntity	Cardinality
ServiceIssueCategoryCata-logue	ServiceIssueCategoryCatalo-gueCategory	ServiceIssueCategoryCata-logue	1

3.2.17.11 Service Issue Category Catalogue Parent Category

Overview

The ServiceIssueCategoryCatalogueParentCategory collection provides details of parent category in the hierarchical structure of Service Issue Category Catalogue

Top Level Entity

ServiceIssueCategoryCatalogueCategory

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
ObjectID	Edm.String	true	70	true	
ParentObjectID	Edm.String	true	70	true	
Name	servicerequest.ME-DIUM_Name	false			
ServiceIssueCate-goryID	Edm.String	true	25	true	
TypeCode	Edm.String	true	3	true	
TypeCode Text	Edm.String	true			

Navigations

Name	FromEntity	ToEntity	Cardinality
ServiceIssueCategoryCata-logue	ServiceIssueCategoryCatalo-gueParentCategory	ServiceIssueCategoryCata-logue	1

3.2.18 Task Entity Type

The Task related collections allow you to read and maintain business relavant measures that need to be taken and parties involved in these measures.
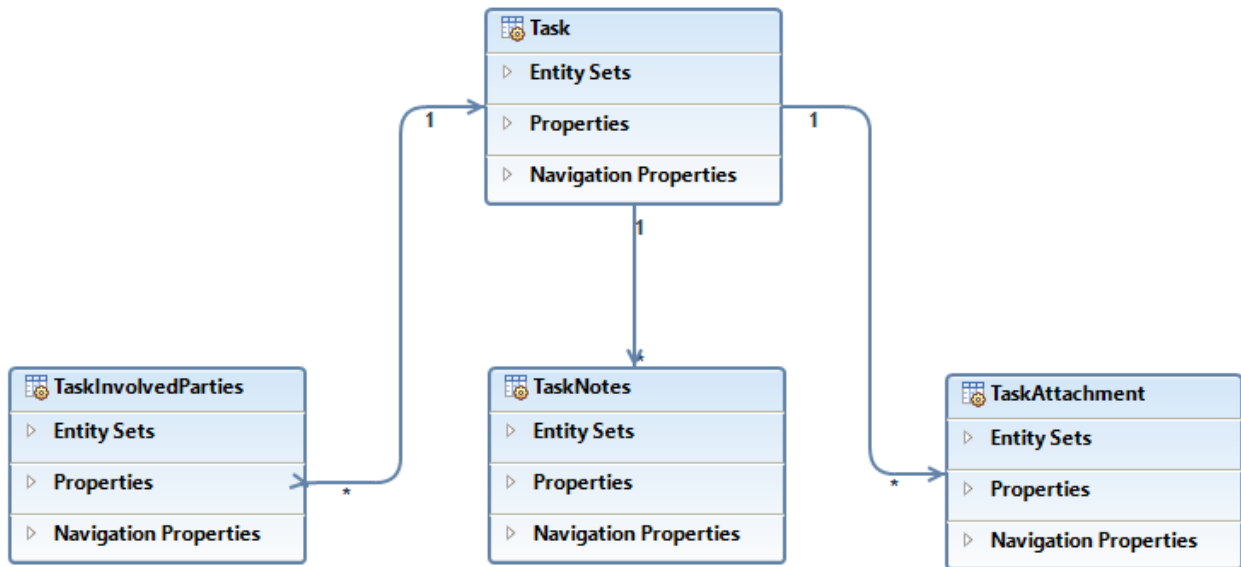
3.2.18.1 Task

Overview

The Task collection provides information about all business relevant measures that one or more employees of an organization need to take care within a specified date

Request Elements

URL

https://<CloudTenant>/sap/c4c/odata/v1/c4codata/TaskCollection

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Account	c4codata.EN-CRYPTED_LONG_Name	true		false	
AccountID	Edm.String	true	60	true	
AccountUUID	Edm.Guid	true			
CatagoryCode	Edm.String	true	4	true	
CatagoryCodeText	Edm.String	true			
CompletionDate-Time	Edm.DateTimeOff-set	true			
CompletionPercent	Edm.Decimal	true			
DueDataTime	c4codata.LOCAL-NORMALISED_DateTime	true			
ID	Edm.Guid	true	35	true	true
ObjectID	Edm.String	true	70	true	
Owner	c4codata.EN-CRYPTED_LONG_Name	true			
OwnerUUID	Edm.Guid				
PrimaryContact	c4codata.EN-CRYPTED_LONG_Name	true			
PrimaryContactID	Edm.String	true	60		
PrimaryContac-tUUID	Edm.Guid	true			
PriorityCode	Edm.String	true	1	true	
PriorityCodeText	Edm.String	true			
Processor	c4codata.EN-CRYPTED_LONG_Name	true			

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
ProcessorID	Edm.String	true	60	true	
ProcessorUUID	Edm.Guid	true			
StartDateTime	c4codata.LOCAL-NORMALISED_DateTime	true		false	
StatusCode	Edm.String	true	2	true	true
StatusCodeText	Edm.String	true			
Subject	Edm.String	true	765	true	true
TypeCode	Edm.String	true	15	true	
ReportedDateTime	Edm.DateTimeOffset	true			
TypeCodeText	Edm.String	true			

Navigations

Name	FromEntity	ToEntity	Cardinality
TaskAttachment	Task	TaskAttachment	1 .. *
TaskInvolvedParties	Task	TaskInvolvedParties	1 .. *
TaskNotes	Task	TaskNotes	1 .. *

3.2.18.2 Task Attachment

Overview

The TaskAttachment collection provides information about existing attached documents in the Task.

Top Level Entity

Task

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Binary	Edm.Binary	true		false	
CatagoryCode	Edm.String	false		true	
CatagoryCodeText	Edm.String	true			
CreatedBy	Edm.String	true	80	true	
CreatedOn	Edm.DateTime	true			
DocumentLink	Edm.String	true	80	false	
LastUpdatedBy	c4codata.EN-CRYPTED_LONG_Name	true			
LinkWebURL	Edm.Guid			false	
MimeType	c4codata.EN-CRYPTED_LONG_Name	true		false	
Name	Edm.String	true		false	
ObjectID	Edm.Guid	true	70	true	
ParentObjectID	Edm.String	true	70	true	
TypeCode	Edm.String	true	5	true	
TypeCodeText	Edm.String	true			

3.2.18.3 Task Involved Parties

Overview

The Task Involved Parties collection provides information about all the parties involved in a particular task.

Top Level Entity

Task

Properties

Name	Type	Nullable	Max Length	Fixed length	$ Search Relevant
Address	Edm.String	true	480	true	
EMail	Edm.String	true	765	true	
Name	c4codata.EN-CRYPTED_LONG_Name	true			
ObjectID	Edm.String	false	70	true	
ParentObjectID	Edm.String	true	70	true	true
PartyID	Edm.String	true	60	true	
PartyUUID	Edm.Guid	true			
Phone	Edm.String	true	350	true	
RoleCategoryCode	Edm.String	true	3	true	
RoleCategoryCode-Text	Edm.String	true			
RoleCode	Edm.String	true	10	true	
RoleCodeText	Edm.String	true			

Navigations

Name	FromRole	ToRole	Cardinality
Task	TaskInvolvedParties	Taskt	1 ..1

3.2.18.4 Task Notes

Overview

The Task Notes collection provides key information notes created during the task creation.

Top Level Entity

Task

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
AuthorName	Edm.String	true	40	true	
AuthorUUID	Edm.Guid	true			
CreatedBy	Edm.String	true	80	true	
CreatedOn	Edm.DateTime	true			
LanguageCode	Edm.String	true	2	false	
LanguageCodeText	Edm.String	true			
LastUpdatedBy	Edm.String	true	80	true	
ObjectID	Edm.Guid	true	70	true	
ParentObjectID	Edm.String	true	70	true	

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
Text	Edm.String	true		false	
TypeCode	Edm.String	true	5	true	
TypeCodeText	Edm.String	true			
UpdatedOn	Edm.DateTime	true			

3.2.19 TimeEntry

The TimeEntry Entity Type has three entities namely the *TimeEntry*, *TimeEntryItem* and the *TimeReport*. These entities are used in time recording.
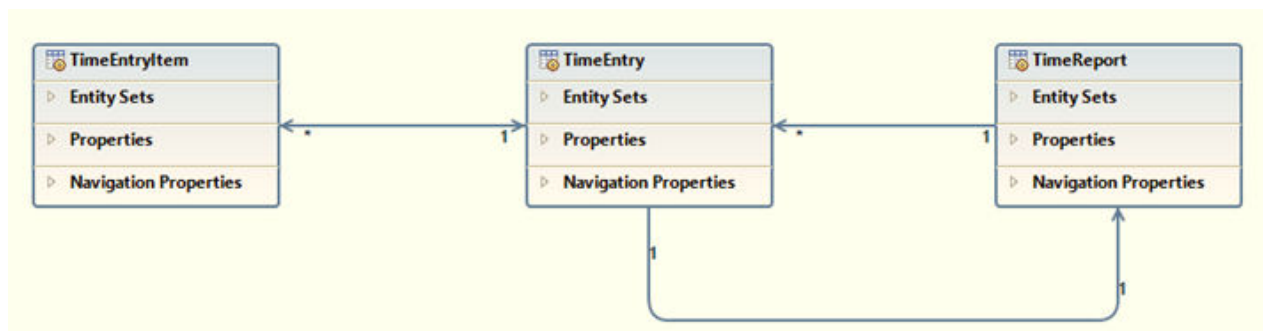
3.2.19.1 Time Entry

The Time Entry collection is used to maintain time entry of employees. Time entry is an object where an employee can record his time against his activities for a particular day.

Properties

Name	Type	Description	Search Relevant
AutoTimeRecordingIndicator	Edm.Boolean		
BillingRelevanceIndicator	Edm.Boolean	Indicates whether the time entry is Billing Relevant or not.	
BusinessTransactionDocumentTypeCode	Edm.String		
BusinessTransactionDocumentTypeCodeText	Edm.String	Indicates the date for which the time entry is recorded.	

Name	Type	Description	Search Relevant
Date	Edm.DateTime		
Description	c4codata.EXTENDED_Name	Indicates the description for the time entry.	
Duration	Edm.String	Indicates the duration of the work logged in the time entry.	
EmployeeUUID	Edm.Guid	Indicates the UUID for the employee for which the time entry is created.	
EndDateTime	Edm.Time	Indicates the End date and time for the time entry.	
HeaderReferenceUUID	Edm.Guid	Indicates the UUID for the Service Ticket for which the time entry is recorded.	
ItemReferenceUUID	Edm.Guid		
LifeCycleStatusCode	Edm.String	Specifies the Status of the time entry. 1. In Preparation 2. Approval Pending 3. Approved 4. Rejected 5. Released 6. In Approval	
LifeCycleStatusCodeText	Edm.String	Indicates the description for the status of the time entry.	
ObjectID	Edm.String	Indicates the unique hexadecimal id for time entry.	
StartDateTime	Edm.Time	Indicates the Start date and time for the time entry.	
TimeReportUUID	Edm.Guid	Indicates the UUID for the time report corresponding to this time entry.	
TimeTypeCode	Edm.String	Indicates the Time Type Code: 1. Working Hours 2. Non-Working Hours	

Name	Type	Description	Search Relevant
TimeTypeCodeText	Edm.String	Indicates the description for the Time Type Code.	
TimeZone	Edm.String	Indicates the time zone of the time entry recorded.	
TimeZoneText	Edm.String	Indicates the description of the time zone for the time entry recorded.	

Navigations

Name	From Entity	To Entity	Cardinality
Employee	TimeEntry	Employee	0..1
ServiceRequest	TimeEntry	ServiceRequest	0..1
TimeEntryItem	TimeEntry	TimeEntryItem	0..*
TimeReport	TimeEntry	TimeReport	0..1

3.2.19.2 TimeEntryItem

The Time Entry Item collection is used to maintain time entry items related to the particular time entry. We can have multiple time entry items for a time entry.

Properties

Name	Type	Nullable	Creatable	Updatable	Filterable
ID	Edm.String	True	True	True	True
ObjectID	Edm.String	True	False	False	True
ParentObjectID	Edm.String	True	False	Fasle	True
ProductID	Edm.String	True	True	True	True
ServiceItemUUID	Edm.Guid	True	True	True	True
TimeItemDuration	Edm.String	True	True	True	True
TimeItemEndDate	Edm.DateTime	True	True	True	True
TimeItemEndTime	Edm.Time	True	True	True	True

Name	Type	Nullable	Creatable	Updatable	Filterable
TimeItemStartDate	Edm.DateTime	True	True	True	True
TimeItemStartTime	Edm.Time	True	True	True	True
TimeItemUUID	Edm.Guid	True	True	True	True
TimeZoneCode	Edm.String	True	True	True	True
TimeZoneCodeText	Edm.String	True	False	False	True
UUID	Edm.Guid	True	True	True	True

Navigations

Name	From Entity	To Entity	Cardinality
TimeEntry	TimeEntryItem	TimeEntry	1

3.2.19.3 TimeReport

The Time Report collection is used to maintain time reports of employees. You can use it to group time entries for an employee for a time period.

Properties

Name	Type	Description	$ Search Relevant
Description	c4codata.EXTENDED_Name		
EmployeeUUID	Edm.Guid	Indicates the UUID for the employee for which the time report is created.	
EndDate	Edm.DateTime	Indicates the End Date of the time report.	
ObjectId	Edm.String	Indicates the unique hexadecimal id for time report.	
RejectionReason	c4codata.Text	Indicates the reason for rejection of the time report.	
ReportName	c4codata.EXTENDED_Name	Indicates the name and language code for the time report.	

Name	Type	Description	$ Search Relevant
StartDate	Edm.DateTime	Indicates the End Date of the time report.	
Status	Edm.String	Indicates the status of the Time Report. • In Preparation • Approval Pending • Approved • Rejected • In Approval	
StatusText	Edm.String	Indicates the description for the status of the time report.	
TotalDuration	Edm.String	Indicates the total duration of the time report.	

Navigations

Name	From Entity	To Entity	Cardinality
Employee	TimeReport	Employee	0..1
TimeEntry	TimeReport	TimeEntry	0..*

3.2.20 User Entity Type

The User Entity Type collection is a Single Entity Type. The EntityGroup description are not required.
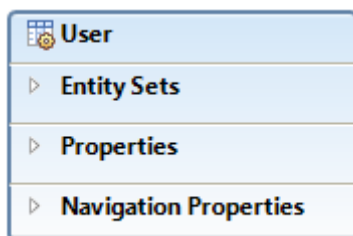
3.2.20.1 User

Overview

The User collection provides information about all the user details.

Request Elements

URL

https://<CloudTenant>/sap/c4c/odata/v1/c4codata/UserCollection

Properties

Name	Type	Nullable	Max Length	Fixed length
ChangedBy	Edm.String	true	480	true
ChangedByUUID	Edm.Guid	true		
ChangedOn	Edm.DateTimeOffset	true		
CreatedBy	Edm.String	true	480	true
CreatedByUUID	Edm.Guid	true		
CreatedOn	Edm.DateTimeOffset	true		
DateFormatCode	Edm.String	true	2	true
DateFormatCodeText	Edm.String	true		
DecimalFormatCode	Edm.String	true	2	true
DecimalFormatCode-Text	Edm.String	true		
EmployeeID	Edm.String	true	10	true
EmployeeUUID	Edm.Guid	true		
InactiveIndicator	Edm.Boolean	true		

Name	Type	Nullable	Max Length	Fixed length
LogonLanguageCode	Edm.String	true	1	true
LogonLanguageCode-Text	Edm.String	true		
ObjectID	Edm.String	true	70	true
PasswordInactiveIndicator	Edm.Boolean	true		
PasswordLockedIndicator	Edm.Boolean	true		
PasswordPolicyCode	Edm.String	true	40	true
PasswordPolicyCode-Text	Edm.String	true		
StatusCode	Edm.String	true	2	true
StatusCodeTrue	Edm.String	true		
TimeFormatCode	Edm.String	true	2	true
TImeFormatCodeText	Edm.String	true		
TimeZoneCode	Edm.String	true	10	
TimeZoneCodeText	Edm.String			
TitleCode	Edm.String	true	4	true
TitleCodeText	Edm.String	true		
UUID	Edm.Guid	true		
UserID	Edm.String	true	40	true
UserAccountID	Edm.String	true	255	true
UserAccountTypeCode	Edm.String	true	1	true
UserAccountTypeCode-Text	Edm.String	true		
UserID	Edm.String	true	40	true
Username	Edm.String	true	480	true

3.2.21 Visit Entity Type

The Vist related collections allow you to read and maintain customer site visits, parties involved in the visits and related business transaction reference documents.
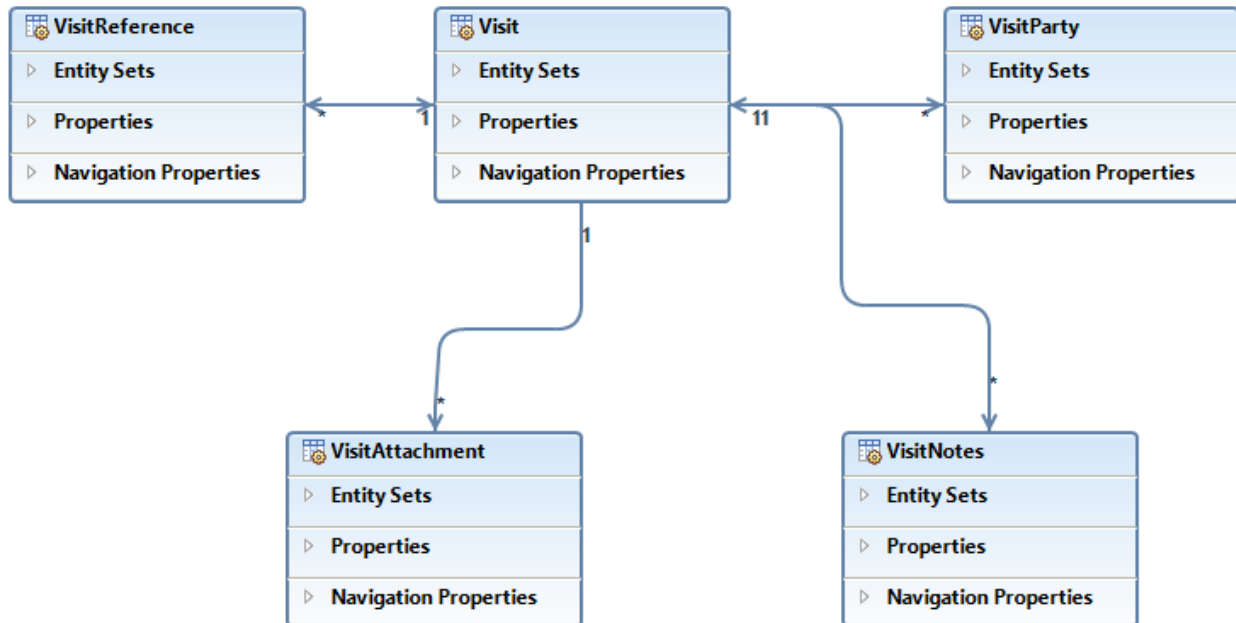
3.2.21.1 Visit

Overview

The Visit Collection provides information about customer site visits.

Properties

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
AllDayEvent	Edm.Boolean	true			
AccountUUID	Edm.Guid	true			

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
DistributionChannel	Edm.String	true	2	true	
DistributionChannel-Text	Edm.String	true			
Division	Edm.String	false	2	true	
DivisionText	Edm.String	true			
EndDateTime	c4codata.LOCAL-NORMALISED_Date-Time	false			
GroupCode	Edm.String	true	4		
GroupCodeText	Edm.String	true			
Location	Edm.String	true	480		
ID	Edm.String	true	35		
ObjectID	Edm.String	true	70	true	
OrganizerUUID	Edm.Guid	true			
OwnerUUID	Edm.Guid	true			
PrimaryContactUUID	Edm.Guid	true			
Route	Edm.Guid	true			
SalesOrganisation	Edm.String	true	20		
StartDateTime	c4codata.LOCAL-NORMALISED_Date-Time	true			
Status	Edm.String	true	2	true	
StatusText	Edm.String	true			
Subject	Edm.String	true	765	true	
SalesTerritory	Edm.String	true	6	true	
Tour	Edm.Guid	true			
TypeCode	Edm.String	true	15	true	

Name	Type	Nullable	Max Length	Fixed length	$Search Relevant
TypeCodeText	Edm.String	true	15		
AdditionalLocation-Name	Edm String	true	765	true	
GroupwareItemID	Edm String	true	765	true	
ReportedDateTime	Edm.DateTimeOffset	true			

> ⓘ Note
>
> The properties such as GroupCode and TypeCode have default values that cannot change.

Navigations

Name	FromEntity	ToEntity	Cardinality
Visti Attachment	Visit	VisitAttachment	1 .. *

3.2.21.2 Visit Attachment

Overview

The Visit Attachment collection provides information about attached documents in Visits.

Top Level Entity

Visit

Properties

Name	Type	Nullable	Max Length	Fixed length
Binary	Edm.Binary	true		false
CategoryCode	Edm.String	false		
CategoryCodeText	Edm.String	true		
CreatedBy	Edm.String	true	80	true
CreatedOn	Edm.DateTime	true		
DocumentLink	Edm.String	true		false
LastUpdatedBy	Edm.String	true	80	true
LastUpdatedOn	Edm.DateTime	true		
LinkWebURL	Edm.String	true		false
MimeType	Edm.String	true		false
Name	Edm.String	true	70	false
ObjectID	Edm.String	true	70	true
TypeCode	Edm.String	true	5	true
TypeCodeText	Edm.String	true		
UUID	Edm.Guid	false		

3.2.21.3 Visit Party

Overview

The Visit Party collection provides information of all the customers who visits the site.

Top Level Entity

Visit

Properties

Name	Type	Nullable	Max Length	Fixed length
Email	Edm.Binary	true	254	true
FormattedPhoneNumber	Edm.Guid	true	40	true
MainIndicator	Edm.Boolean	true		
ObjectID	Edm.String	true	70	true
ParentObjectID	Edm.String	true	70	true
PartyID	Edm.String	true	60	true
PartyName	Edm.String	true	255	true
PartyRoleCode	Edm.String	true	10	true
PartyRoleCodeText	Edm.String	true		
PartyUUID	Edm.Guid	true		

Navigations

Name	FromEntity	ToEntity	Cardinality
Visit	VisitParty	Visit	1..1

3.2.21.4 Visit Reference

Overview

The Visit Reference collection provides information about the preceding and succeeding reference documents.

Top Level Entity

Visit

Properties

Name	Type	Nullable	Max Length	Fixed length
ID	Edm.Binary	true	35	true
ItemUUID	Edm.Guid	true		
ObjectID	Edm.String	true	70	
ParentObjectID	Edm.String	true		true
ReferenceRoleCode	Edm.String	true	3	
ReferenceRoleCode-Text	Edm.String	true		false
TypeCode	Edm.String	true	15	true
TypeCodeText	Edm.String	true		

Navigations

Name	FromEntity	ToEntity	Cardinality
Visit	VisitReference	Visit	1 .. 1

3.2.21.5 Visit Text

Overview

The VisitText Collection provides information about notes entered during site visit.

Top Level Entity

Visit

Properties

Name	Type	Nullable	Max Length	Fixed length
AuthorName	Edm.String	true	40	true
AuthorUUID	Edm.Guid	true		
CreatedBy	Edm.String	true	80	true
CreatedOn	Edm.Guid	true		
LanguageCode	Edm.String	true	2	
LanguageCodeText	Edm.String	false		
LastUpdatedBy	Edm.String	true	80	true
ObjectID	Edm.String	true	70	true
ParentObjectID	Edm.String	true	70	true
Text	Edm.String	true		false
TypeCode	Edm.Guid	true	5	true
TypeCodeText	Edm.String	true		
UpdatedOn	Edm.String	true		

3.2.22 Marketing Attributes Entity Type

Marketing attributes are associated to master data objects like accounts and contacts. They allow users to define and maintain name value pairs for master data. They are similar to marketing attributes in SAP CRM.

There are two parts to maintaining marketing attributes:

1. Create and maintain definitions.
   This involves creating marketing attributes and marketing attribute sets and assigning the marketing attributes to marketing attribute sets. It also involves MarketingAttribute and MarketingAttributeSet ODATA services.
2. 2. Assignment of marketing attribute sets to master data objects and maintaining attribute values.
   This is done using the marketing attribute assignment ODATA service.

3.2.22.1 Marketing Attribute (BusinessAttribute)

Attribute definition

Properties

Name	Type	Nullable	Max Length	Fixed length	Search Relevant
Marketing Attribute ID (ID)	Edm.String	true	30	true	
Number of Characters (Character-NumberValue)	Edm.Int16	true		true	
Number of Decimal Places (DecimalNumberValue)	Edm.Int16	true			
Status (LifeCycleStatusCode)	Edm.String	false	1	true	
Unit of Measure (MeasureUnitCode)	Edm.String	true	5	true	
Format (RepresentationFormatCode)	Edm.String	true	4	true	
Name	Edm.String	true	255	true	
languageCode	Edm.String	true	1	true	
Mandatory Indicator	Edm.Boolean	true			
Multivalue Indicator	Edm.Boolean	true			
Negative Allowed Indicator	Edm.Boolean	true			
Case Sensitive Indicator	Edm.Boolean	true			
Interval Allowed Indicator	Edm.Boolean	true			

Navigations

Name	FromEntity	ToEntity	Cardinality
BusinessAttributeCharacteristic	Marketing Attribute	BusinessAttributeCharacteristic	0.. *
BusinessAttributeDescription	Account	BusinessAttributeDescription	1 .. *
BusinessAttributeValueList	Account	BusinessAttributeValueList	0.. *

3.2.22.2 Marketing Attribute Description (BusinessAttributeDescription)

Properties

Name	Type	Nullable	Max Length	Fixed length	Search Relevant
Name	Edm.String	true	255	true	
languageCode	Edm.String	true	1	true	

3.2.22.3 Marketing Attribute Value List (BusinessAttributeValueList)

Properties

Name	Type	Nullable	Max Length	Fixed length	Search Relevant
ID	Edm.String	true	30	true	
Name	Edm.String	true	255	true	
languageCode	Edm.String	true	1	true	

3.2.22.4 Marketing Attribute Value List Description (BusinessAttributeValueListDescription)

Properties

Name	Type	Nullable	Max Length	Fixed length	Search Relevant
Name	Edm.String	true	255	true	
languageCode	Edm.String	true	1	true	

3.2.22.5 Marketing Attribute Set (BusinessAttributeSet)

Group attributes into attribute sets

Properties

Name	Type	Nullable	Max Length	Fixed length	Search Relevant
Marketing Attribute Set ID (BusinessAttributeSetID)	Edm.String	true	18	true	
Object Type Code (ObjectTypeCode)	Edm.String	true	15	true	
Organization Relevant (Organanization-RelevanceIndicator)	Edm.Boolean	true			
Person Relevant (PersonRelevanceIndicator)	Edm.Boolean	true			
Status (LifeCycleStatusCode)	Edm.String	false	1	true	
Name	Edm.String	true	40	true	
languageCode	Edm.String	true	1	true	

3.2.22.6 Marketing Attribute Set Description (BusinessAttributeSetDescription)

To be used if attribute set descriptions exist in more than one language

Properties

Name	Type	Nullable	Max Length	Fixed length	Search Relevant
Name	Edm.String	true	40	true	
languageCode	Edm.String	true	1	true	

3.2.22.7 Marketing Attribute Set Attribute Assignment (BusinessAttributeSetAttributeAssignment)

Assignment of marketing attributes to marketing attribute sets

Properties

Name	Type	Nullable	Max Length	Fixed length	Search Relevant
Marketing Attribute ID (ID)	Edm.String	true	30	true	

3.2.22.8 Marketing Attribute Assignment (BusinessAttributeAssignment)

Assignment of marketing attributes to master data objects such as accounts or contacts.

Properties

Name	Type	Nullable	Max Length	Fixed length	Search Relevant
Object Type Code (ObjectTypeCode)	Edm.String	true	15	true	
Business Partner ID	Edm.String	true	18	true	
Business Partner External Key	Edm.String	true	100	true	true

> ⓘ Note
>
> Object Type Code has been removed in the 1711 release and the solution adds the required default value for this property.

3.2.22.9 Marketing Attribute Assignment Item (BusinessAttributeAssignmentItem)

Properties

Name	Type	Nullable	Max Length	Fixed length	Search Relevant
Business Attribute Set ID	Edm.String	true	18	true	
Business Attribute ID	Edm.String	true	30	true	
Attribute Value	Edm.String	true	255	true	
Business Partner ID	Edm.String	false	10	true	true

3.2.23 HTTP Status Codes

HTTP SUCCESS CODE	DESCRIPTION
200 OK	The requested resource retrieval is successful, and a full payload of the requested resource is returned.

HTTP ERROR CODES	DESCRIPTION
400 Bad Request	The server could not understand the request due to malformed syntax.
403 Forbidden	Access to the resource you are trying to connect to is forbidden. This may be due to either a user authentication failure or to the user having insufficient privileges to perform the action.
404 Not Found	The server cannot find the specified resource. This is typically due to an unrecognized resource ID (such as userId, groupId, or contentId).
405 Method Not Allowed	The method specified in the Request Line is not allowed for the resource identified by the Request URI.
409 Conflict	There is an internal access conflict to the specified resource.
429 Too Many Requests	The user has sent too many requests in a given period of time. This error message is typically encountered if API rate limits, set to protect against DoS attacks and to preserve server responsiveness, have been exceeded. See Rate Limits to view the established limits.
500 Internal Server Error	The server encountered an unexpected condition, which prevented it from fulfilling the request.
501 Not Implemented	The server does not support the functionality required to fulfill the request.

3.2.24 Service Assignment Entity Type

Overview

The ServiceAssignment OData service enables the external application or user to perform the following actions:

1. Query all the Assignments.
2. Read Assignments by Assignment UUID.
3. Change the value of Status.

Properties

Name	Type	Description	Search Relevant
ID	Edm.String	Indicates Assignment ID	Yes
AssignmentUUID	Edm.Guid	Indicates UUID of the Assignment	Yes
BusinessActivityUUID	Edm.Guid	Indicates the business activity UUID of the assignment	
CreatedBy	Edm.String	Indicates the user who has created the assignment	
CreationDateTime	Edm.DateTimeOffset	Indicates the date of creation of the assignment	
LastChangedBy	Edm.String	Indicates the user who has made the changes	
Customer	Edm.String	Indicates the customer party for the assignment	Yes
CustomerID	Edm.String	Indicates the customer ID for the assignment	Yes
CustomerTypeCode	Edm.String	Indicates the customer role type code for the assignment	
DivisionCode	Edm.String	Indicates the Division code for the assignment	
StartDateTime	Edm.DateTimeOffset	Indicates the scheduled start date time for the assignment	Yes
StartDateTimeZoneCode	Edm.String	Indicates the scheduled start date time timezone code for the assignment	Yes
EndDateTime	Edm.DateTimeOffset	Indicates the scheduled end date time for the assignment	Yes
EndDateTimeZoneCode	Edm.String	Indicates the scheduled end date time timezone code for the assignment	Yes

Name	Type	Description	Search Relevant
Fixed	Edm.String	Indicates the fixed state of the assignment: 1. Fixed Time 2. Fixed Time & Technician	
Released	Edm.String	Indicates the released state of the assignment:: 1. Released <space> - Not Released	Yes
FullDayIndicator	Edm.Boolean	Indicates all day indicator: X – True <space> - False	
LifeCycleStatusCode	Edm.String	Indicates the status of the assignment: 1. Open 2. In Process 3. Completed 4. Canceled	
OrganizerID	Edm.String	Indicates the organizer ID for the assignment	
OrganizerName	Edm.String	Indicates the organizer name for the assignment	
OrganizerTypeCode	Edm.String	Indicates the organizer party type code for the assignment	
PrimaryContact	Edm.String	Indicates the contact for the assignment	
PrimaryContactID	Edm.String	Indicates the contact party ID for the assignment	
PrimaryContactTypeCode	Edm.String	Indicates the contact party type code for the assignment	
Priority	Edm.String	Indicates the priority of the assignment: 1. Immediate 2. Urgent 3. Normal 4. Low	Yes

Name	Type	Description	Search Relevant
ProcessingTypeCode	Edm.String	Indicates the type of processing done on the activity: AACT – Assignment Activity	
ServiceTechnician	Edm.String	Indicates the service technician for the assignment	
ServiceTechnicianID	Edm.String	Indicates the service technician ID for the assignment	
ServiceTechnicianTypeCode	Edm.String	Indicates the service technician party type code for the assignment	
Status	Edm.String	Indicates the external status of the assignment	Yes
Subject	Edm.String	Indicates the subject of the assignment	Yes
TypeCode	Edm.String	Indicates the type code for the assignment 2215 – Assignment Activity	
ReferenceDocumentID	Edm.String	Indicates Document ID of the reference document for the assignment	
ReferenceDocumentType-Code	Edm.String	Indicates the Document type code of the reference document for the assignment	
ReferenceDocumentUUID	Edm.Guid	Indicates the document UUID of the reference document for the assignment	
ReferenceDocumentItemID	Edm.String	Indicates the item id of the reference document for the assignment	
ReferenceDocumentItemTy-peCode	Edm.String	Indicates the item type code of the reference document for the assignment	
ReferenceDocumentItemUUID	Edm.Guid	Indicates the item UUID of the reference document for the assignment	

Navigation

Name	From Entity	To Entity
ServiceAssignmentBusinessTransaction-DocReference	ServiceAssignment	ServiceAssignmentBusinessTransaction-DocReference
ServiceAssignmentNotes	ServiceAssignment	ServiceAssignmentNotes

3.2.24.1 Business Context and Use

The Service Assignment OData service enables you to connect external applications to your SAP Cloud for Customer system and to read and query assignment data within your system.

EntityType Name = *ServiceAssignment*

Access our solution tenant using this example:

https://<C4C-tenant>/sap/c4c/odata/v1/c4codata/$metadata

Assignment OData Service enables the external application or user to perform the following action:

1. Query all the Assignments.
2. Read Assignments by Assignment UUID.
3. Change the value of Status.

3.2.24.2 Service Assignment Notes

This topic provides you with property values for the **ServiceAssignmentNotes** object.

Overview

ServiceAssignmentNotes provides information about the assignment. The text can be viewed, created, and updated.

Properties

Properties of ServiceAssignmentNotes

Name	Type	Description
ParentObjectID	Edm.String	Indicates the ObjectID of the parent which is the Assignment ObjectID
ObjectID	Edm.String	Indicates the notes' UUID
TypeCode	Edm.String	Indicates the type code of the notes. The type code of the Assignment notes is 10002
LanguageCode	Edm.String	Indicates the language code in which the note has been added
CreatedOn	Edm.DateTime	Indicates the time (and date) of the creation of the note
UpdatedOn	Edm.DateTime	Indicates the time (and date) at which the note was last updated
CreatedBy	Edm.String	Indicates the User ID of the creator of the note
LastUpdatedBy	Edm.String	Indicates the User ID of the last updater of the note
AuthorName	Edm.String	
AuthorUUID	Edm.Guid	

3.2.25 API Strategy

We have updated our API strategy based on feedback received from customers.

Here is a summary of what this update means to you:

1. The following APIs will be permenantly deprecated as of release February 2020:
   - Standard synchronous inbound SOAP web services (A2X)
   - SAP Cloud for Customer OData API v1

> ⓘ Note
>
> It is highly recommended to not use these APIs in any new projects. These APIs have the following behavior:
> - They continue to work and are supported in existing implementations.
> - They are not enhanced beyond bug fixes.

2. The following APIs continue to be supported:
   - Standard asynchronous inbound SOAP web services (A2A)
   - Custom SOAP and Custom OData APIs
3. We recommend the following to all customers:
   - Use SAP Cloud for Customer OData API v2 in your new implementations.
   - Consider adapting SAP Cloud for Customer OData API v2 in any existing implementations that are based on deprecated (and soon to be obsolete) APIs.

4 OData Service Explorer

This document provides an overview of the OData Editor and how you can use this editor to create OData services. The OData Service Explorer view in the *Administrator* work center allows you, as an end user to create, edit, and manage your OData services.

This view also lists the services that are created by you and the standard OData services offered by SAP. To view the services created by you, select *Custom OData Services* from *Show*.

To view *SAP OData Services*, select *SAP OData Services* from *Show*.

In the *Custom OData Services* view, you can also download an OData service, by selecting a service and clicking *Download*. Additionally you can download services in patches for testing by clicking *Patch Download*. This functionality can be used if a patch solution exists in the system. The following table explains the criteria for *Download* and *Patch Download*

Download	Patch Download
Only if an original solution exists in the source system, download the service using the*Download* button.	The patch solution can be used only if it exists in the source system, for all the original solution business objects and fields of an OData service.
During a download, the fields of the patch solution are replaced with fields of the original solution.	During a *Patch Download*, only the patch solution fields are downloaded. If there are fields from the original solution, they are renamed to point to the patch solution.
	For a successful upload, the target system should have the patch solution.

4.1 Creating an OData Service

1. 1.In the SAP Cloud for Customer system, navigate to the *Administrator* work center, *OData Service Explorer* view and select *Custom OData Services* from Show.

   > ⓘ Note
   >
   > The *SAP OData Services* are default services that are provided by SAP and can only be viewed but not edited. You can only edit *Custom OData Services*.

2. Select *Data Workbench*.

   > ⓘ Note
   >
   > If this option is selected, the External Keys for the various entities for the service is enabled.

3. Click *New* and enter the *OData Service Name* in the *Quick Create* dialog box.

4. Click *Save and Close* to save the service or *Save and Open* to complete the service or *Save and New* to save this service and create a new service. The OData service is set to **Inactive** after the service has been created.

> ⓘ Note
>
> When you create custom OData services, it is important to ensure that necessary authorizations are enabled for the services. For more information, see Authorization [page 6].

4.1.1 Adding an Entity

Add an entity to a custom OData service.

1. From the *OData* view, select the OData service that you created and click *Edit*.

2. Select the *Include Code Descriptions* and select the checkbox, if you want to add the description of the code list to your OData service. Enter the *Work Center View* for users with this work center view to see the OData service.

> ⓘ Note
>
> The *Include Code Descriptions* setting applies to the entire OData Service. The *Work Center View* selection applies only to this entity.

3. Click *Select Business Object* and enter the *BO Name* and *BO Node Name* . Click *OK*.

> **ⓘ Note**
>
> Standard business objects do not include nodes to create new entity types. However, field extensions are available.

4. Select the relevant node for the entity from the *Entity Types* tab.

5. Select the relevant elements that are listed under the node.

> **ⓘ Note**
>
> The selected nodes elements are automatically populated under the *OData Service* structure. The entity has a default property called *ObjectID*, which is the node ID of the corresponding business object. Additionally, you can delete an entity type by selecting it and clicking *Remove*.

The following table explains some of the key node elements:

Node Element	Description
Create Associated Entity	A create associated entity that cannot be merged with any other entity and is shown as a separate entity below the host entity.

Node Element	Description
Merge Association	A merge association entity can be merged with the active entity. However merging entities is optional. If you do not want to merge the entity, the system automatically creates an entry below the host entity.
Dependent Object Association	A dependent object association creates a new entity that corresponds to the respective dependent object. The properties under this object cannot be edited. For example, *Text Collection* and *Attachment Folder* .

If you create a new entity using an association, the navigation between the entity and element is added automatically to both, it is bidirectional. If the association is between cross business objects, the navigation is not bidirectional.

If you have selected *Data Workbench*, while creating a service, you can see two additional properties *ExternalKey* and *ParentExternalKey* added to the entity structure.

If you create an entity by clicking the *Select Business Object*, the navigations are created automatically between existing entities and the newly created entity.

6. Enter the following information under the *Properties* and *Navigation Properties* respectively:

UI Element	Description
Delete	Selecting this option would delete the selected entity type.
Name	Enter the name of the entity type. This field can be edited and a new name can be given.
Work Center View	Enter the work center or view to which the end user should have authorization, in order to view the data.
Title Property (Entity)	The title can be mapped to the property of an entity that can be mapped to elements and attributes of an entry or to custom elements of an entry in the feed.
Entity Set	Name of the entity set entered in the OData service.
Entity Set	Name of entity sets are relevant for fields of type Code. It includes code and description that references the entity type *Codelists*
Null	Select this option if you want the property to have a null value.
Name	Enter the name of the property. One entity type cannot have two properties with same name.
Maximum Length	Shows the maximum length of the property value.
Scale	Enter the number of digits to the right of the decimal place for the property value.

UI Element	Description
Default Value	Enter the default value of the property. In the case of READ, only those records that have this default value are returned. In the case of WRITE , if no value is provided, then this default value is used.
Type	Shows the type of the property. For example: `String`, `Guid`, `Boolean`, and `DateTime`. ⓘ Note ComplexTypes are no longer supported for a new service.
Path	Shows the business object path for the property.
Title (Property)	Select this option to specify the title property in the entity type.
Enable Search	Include the selected property in the search results. This option is only for $Search.
External Key Scheme Code	Select a scheme code for the ExternalKey of the entity. The list appears based on scoping.

7. Select *Add Row* from the *Function Imports* tab and enter the following details. However this step is optional. If you want to call a *BO Action* enter the following:

1. Function Import Type - you can choose either *Action* or *Query*
2. Entity Name
3. HTTP Method
4. BO Action

    ⓘ Note

    Depending on the selected entity, the Parameters are automatically populated

8. Click *Save and Activate*.

4.1.2 Result

Once the service is saved successfully, the status of the OData service changes to Active and the Service URL is generated. This contains the metadata information of the OData service.

For example, https://<customer tenant ID>/sap/c4c/odata/cust/v1/customodata/$metadata

4.2 Testing an OData Service

Use the OData Console to test a custom service.

The OData Console is available on click of the test button in OData Service Explorer. It lists all the SAP delivered and custom services available in the respective SAP Cloud for Customer tenant.

Actors / Users

Actors / Users:

- **Key Users:** Key users are the system administrators who are responsible for managing OData Services.
- **Business Users:** Business users are the users with assigned roles and perform tasks on certain defined components.

Key Features

ODataConsole has two key features as follows:

1. **Exploring OData Services**: This feature lets a user see all the entities that are available in the service and also presents the properties of the entities in an intuitive way.
2. **Testing OData Services**: This feature simplifies the process of testing the OData service, wherein the user can perform HTTP operations like Get, Post without getting into the finer details of syntax or authentication.

4.2.1 Exploring OData Services

An OData service is composed of a number of entity sets (collections), their properties, and associations (navigation). An association describes the relationship between two entity sets. The user can select a service from the selection help for the field *Service*. The list contains all the SAP delivered and custom services available in the respective SAP Cloud for Customer tenant

When you select an entity set from the list, its properties and associations (if any) are listed under the *Entity Details* tab and the *Navigation Properties* tab respectively.

The users can see the attributes of the property like type, label etc. An Expand Sign **">"** is visible in front of the *Complex Type* properties. The composition or sub-properties of the complex type property can be viewed by clicking the expand icon.

The navigation properties section display all the direct associations of the entity.

4.2.2 Testing OData Services

You can test the OData services through HTTP requests, for retrieving, adding and updating data for the selected entity set. You need to select the Entity of a service and then click on the *Test* tab to begin testing.
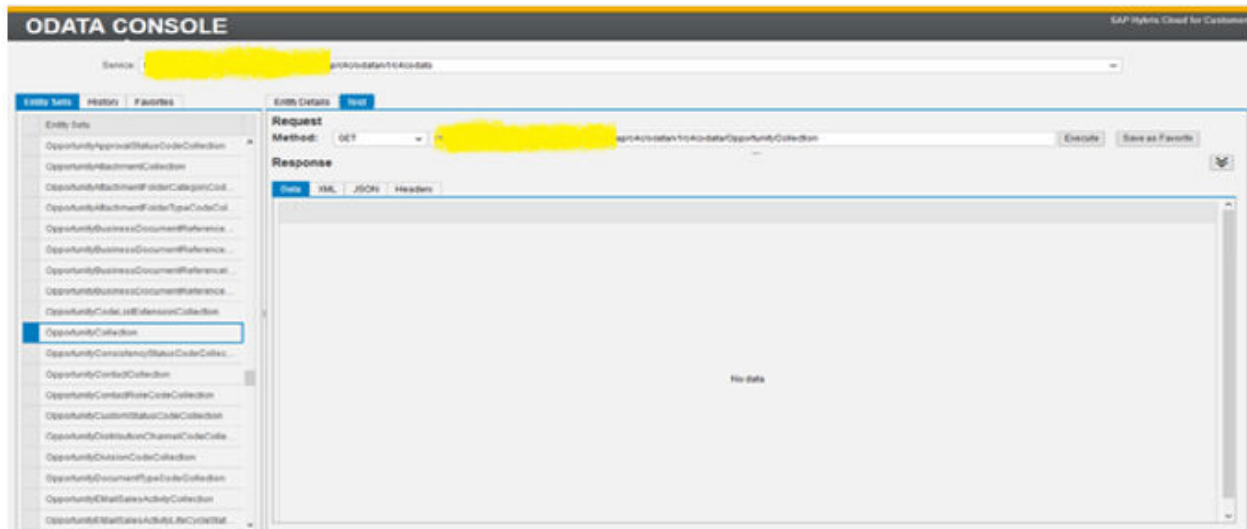
The test tab contains the Request and Response sections and these sections can be expanded and collapsed

through expand and collapse buttons on the right.

OData Console supports the following HTTP methods:

1. Get
2. Post
3. Patch
4. Put
5. Delete

The HTTP methods can be selected from the method drop down in the request section. Steps to Execute a Get Request:

1. Select a Method from the selection help, under the *Request* section.
2. In the field next to the dropdown, the URL referencing the selected OData service collection is automatically populated. You can further customize the request with the OData system query options, such as $filter, $search, and so on by editing the URL.
3. There are three formats in which the user can provide the body or the payload :
    1. **Form**: This tab presents the user with the properties of the entity, the user can fill the values of the properties in the text boxes in front of the labels.
    2. **XML**: This tab lets the user enter the payload in XML data format.
    3. **JSON**: This tab lets the user enter the payload in JSON format. In the Form tab, enter values for Object ID according to the properties of the collection and press execute.

You can add headers to the request using the headers tab in the request section. The application fetches an X-CSRF token automatically when executing OData requests, and it is not necessary to provide this token manually. The XML and JSON format are ideal for the key users who have created their payloads already or have got them from some other application. The form format is very useful for business users who just want to casually test and explore OData services.

The *Form* tab in the *Request* section also supports maintaining Complex Types. As soon as the user clicks in a text box corresponding to a complex type property, a dialog screen is displayed with all the sub properties for the complex type property . When you click on *OK* button, the values that you enter are saved onto the complex type property .For example: . AccountName Property in Opportunity entity.

Also the *Form* tab provides the Code List help for the "**Code**" type properties that can have a set of defined values. For example: .: Approval Status Code in Opportunity Entity.
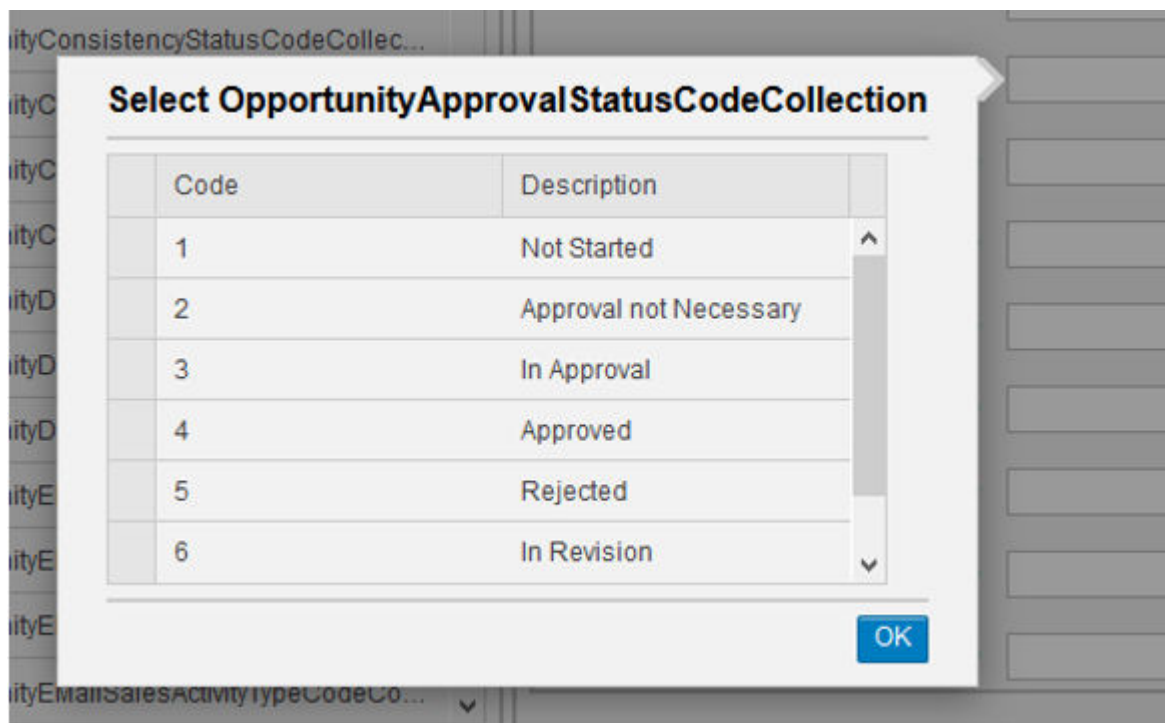
The outcome of the HTTP requests will be displayed in the *Request* section. The Response can be seen in three formats as well:

- **Data**: This presents the user with an excel view of the data. The values of Complex type properties is displayed in curly braces with a comma. For example: . {USD,200.000000}
- **XML**: This tab can be used to see the response body in XML format.
- **JSON**: This tab can used to view the Response in JSON format.

The XML and JSON format and ideal for the key user as they can directly copy and use these payloads in other applications. The Data format is ideal for they key users as it is very readable for lesser data and can be made sense of very quickly. The *Response* sections also gives an option to download data in **CSV** format which was retrieved as response from executing a `Get Request`. Also the user can see the response headers from the headers tab in *Response* section.
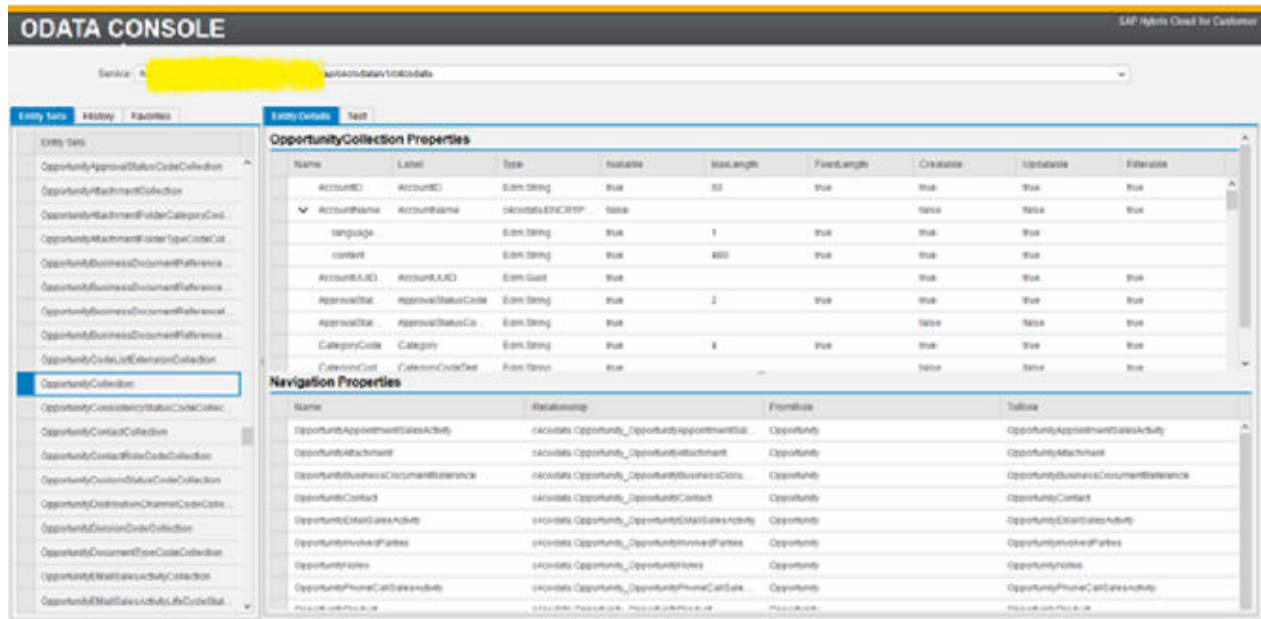
As explained above , Other HTTP requests can be executed similarly by providing all the necessary details.
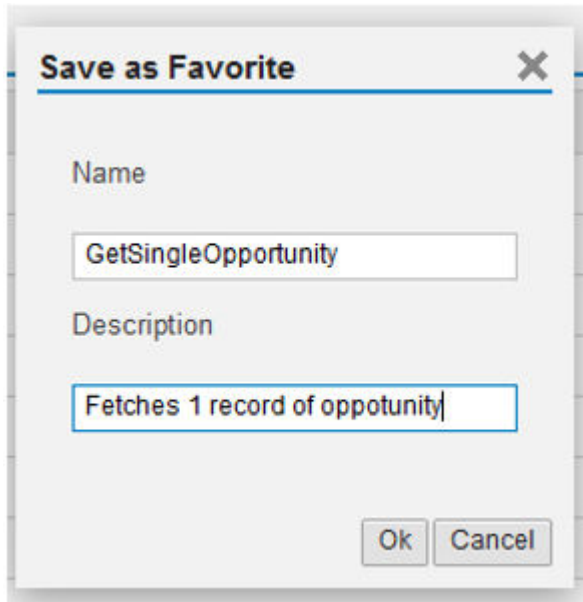
> ⓘ Note
>
> You will find the description of various HTTP methods in the **Appendix**.

4.2.3 Favorites

To reuse payloads, the payload for a particular request can be saved as a favorite template. In order to do so, you need to provide a name and a description for the template to be saved. Saved favorites can later be loaded by selecting under the *Favorites* tab.
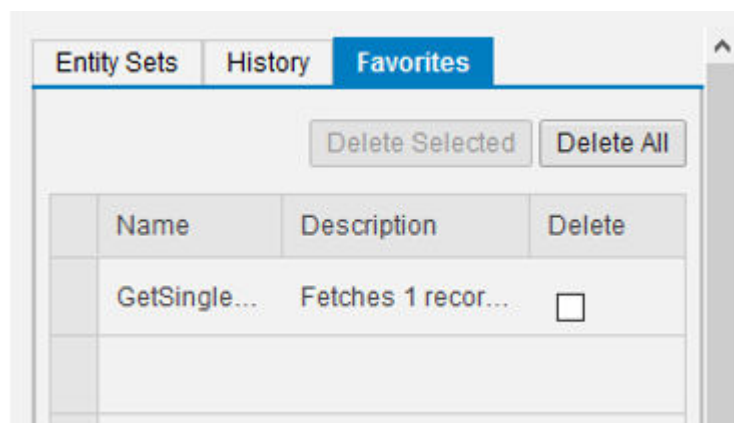
You can easily create favorites by clicking on the *Save as Favorite* (adjacent to *Execute* button) in the *Test* tab. When you click tthe button, you are prompted to provide the name and description of the favorite; Click on **OK** to confirm.
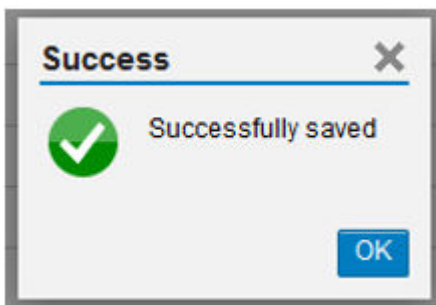
You can also delete the favorites with the help of the *Delete Selected* and *Delete All* buttons. The *Delete selected* deletes all the selected rows and the *Delete All* clears all the favorites for the logged in user.
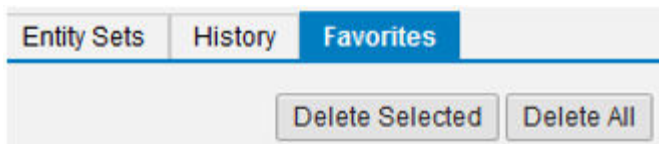
4.2.4 History

The last one hundred unique requests are stored in the history so that they can be accessed and executed again later. The history entries are accessible under the *History* tab.
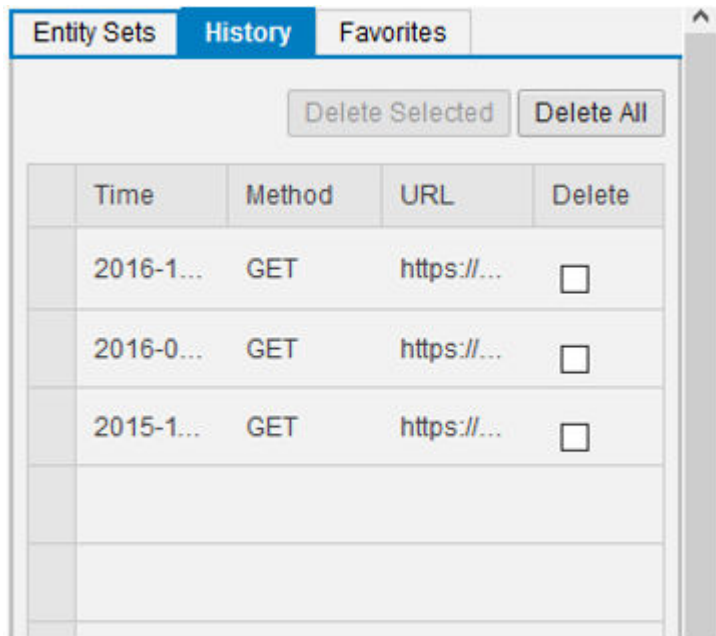
You can also delete the history with the help of the *Delete Selected* and *Delete All* buttons. The *Delete Selected* deletes all the selected rows and the *Delete All* clears all the history rows for the logged in user.

4.2.5 Appendix

A table of Different Http Methods and their description:

Method	Description
GET	The GET method is used to retrieve using a given URI. Requests using GET should only retrieve data and should have no other effect on the data.
POST	A POST request is used to create records for entities.
PUT	A PUT request replaces all the current representations of the target resource with the uploaded content.
DELETE	A DELETE request removes all the current representations of the target resource given by URI.
PATCH	A PATCH request replaces only the provided properties of the current representations of the target resource with the uploaded content.

5   OData API Monitor

You can monitor inbound OData calls with OData API Monitor.

Monitor the status of incoming calls and view the request and response payloads. This feature is useful when troubleshooting different integration scenarios.

Scoping

OData API Monitor is available in your tenant by default. If you want to remove it, you can adjust it in your business configuration:

1. Go to *Business Configuration*, choose the *Implementation Projects* view
2. Select your implementation project and click *Edit Project Scope*.
3. In the scoping wizard, choose *Next* until the *Scoping* screen appears.
4. Go to ▌▶ *Communication and Information Exchange* ❯ *People Collaboration, Intranet and External Services* ❯ *Communities, Document Management and External Services* ❯ *OData API Monitor* ❰
5. Answer the scoping question.

Launch OData Monitor

Logon to SAP Cloud for Customer and go to ▌▶ *Administrator* ❯ *General Settings* ❯ *OData API Monitor* ❰ and launch.

Once activated, all inbound calls, requests and responses are logged for one hour. You can view the HTTP status code of incoming calls, time of call, user of call, HTTP method used and the path of the call. You can also select an entry and view the request and response payload.

You can deactivate the trace and filter results by defining the desired search.

6 (Deprecated) Setting Up OData Notifications

Configure notifications and inform external systems when there are changes to SAP Cloud for Customer business objects.

Prerequisites

> ⓘ Note
>
> The feature *OData: Event Notification to External Systems* is deprecated. *Event Notifications* is now available. For more information, see SAP Cloud for Customer > Integration > Event Notifications

You have scoped *Event Notification* in business configuration. To perform this step, follow these instructions:

Go to *Business Configuration*, *First Implementation*. In step 4 (Questions) choose, ▌▶ *Communication and Information Exchange* ❯ *People Collaboration, Intranet and External Services* ❯ *Communities, Document Management and External Services* ▌Under *Group: Event Notification*, set *Do you want to use Event Notification to inform External Applications?* as *In Scope*.

Context

This functionality notifies external systems of changes to business objects in SAP Cloud for Customer. Use this procedure to register your end points and set up authentication details. A typical use for this functionality is to send a notification to SAP Commerce Cloud when a new employee is created in your C4C system, or to notify custom applications of changes to business objects.

Procedure

1. If your HTTPS enabled endpoint uses certificates, add certificates used to the solution certificate list. Find this list under ▌▶ *Administrator* ❯ *Common Tasks* ❯ *Edit Certificate Trust List* ▌.

2. Navigate to the ▌▶ *Administrator* ❯ *General Settings* ▌work center.

3. Choose *OData Event Notification to External Systems* under the *Custom Object Builder* section.

4. Click *Add Row* under *Consumers*, and provide the *Name* and *Consumer End Point*.

   Your consumer end points must be in the public domain, must use HTTPS protocol, and must be in front of any firewalls in your network. Additionally, consumer end points must be running an application that can

understand and persist the following four fields: **businessObject, businessObjectID, odataServiceEndpoint, event**.

> → Remember
>
> If the consumer end point is behind a firewall the connection check will fail.

5. Select *Basic Authorization*.

6. Click *Add Row* under *Subscriptions*.

7. Select the *Business Object*, *OData Service*, *OData Entity Collection*, and the event type (create, update, delete).

8. Choose a consumer endpoint in the table, and then select *Check connection*.
   - If the connection test succeeds, then the solution will send OData Notifications to your endpoint.
   - If the connection test fails, then check that your endpoint is not behind a firewall and that you have added the certificates used by the endpoint into the certificate list.

9. Click *Save*.

Results

When business objects listed under any of the subscriptions are modified, the external consumer is called asynchronously.

Example payload in JSON format:

```
{"businessObject":"CUSTOMER","businessObjectId":"00163E08BFEC1ED785AE497656AA26FE","oda
taServiceEndpoint":"https://my123456.ondemend.com/sap/byd/odata/v1/c4codata/
AccountCollection('00163E08BFEC1ED785AE497656AAXXXX')","event":"create"}]
```

The external system can call back to your C4C tenant
using the URL format: `https://my123456.ondemand.com/sap/byd/odata/v1/c4codata/`
`AccountCollection('00163E08BFEC1ED785AE497656AAXXXX')`

This call returns the details of the object modified.

7 SAP Cloud for Customer OData Developer's Guide

The SAP Cloud for Customer OData API Developer's Guide complements theSAP Cloud for Customer OData API Reference with usage details and provide examples for easy convenience to developers

For more information, see SAP Cloud for Customer OData Developer's Guide ↗

8   Additional Resources

Links to additional information on SAP Cloud for Customer OData API.

Related Information

[SAP Cloud for Customer Administration Guide](#)
[SAP Cloud for Customer at SAP Community](#)

Important Disclaimers and Legal Information

Hyperlinks

Some links are classified by an icon and/or a mouseover text. These links provide additional information.
About the icons:

- Links with the icon ![icon] : You are entering a Web site that is not hosted by SAP. By using such links, you agree (unless expressly stated otherwise in your agreements with SAP) to this:

    - The content of the linked-to site is not SAP documentation. You may not infer any product claims against SAP based on this information.

    - SAP does not agree or disagree with the content on the linked-to site, nor does SAP warrant the availability and correctness. SAP shall not be liable for any damages caused by the use of such content unless damages have been caused by SAP's gross negligence or willful misconduct.

- Links with the icon ![icon] : You are leaving the documentation for that particular SAP product or service and are entering an SAP-hosted Web site. By using such links, you agree that (unless expressly stated otherwise in your agreements with SAP) you may not infer any product claims against SAP based on this information.

Videos Hosted on External Platforms

Some videos may point to third-party video hosting platforms. SAP cannot guarantee the future availability of videos stored on these platforms. Furthermore, any advertisements or other content hosted on these platforms (for example, suggested videos or by navigating to other videos hosted on the same site), are not within the control or responsibility of SAP.

Beta and Other Experimental Features

Experimental features are not part of the officially delivered scope that SAP guarantees for future releases. This means that experimental features may be changed by SAP at any time for any reason without notice. Experimental features are not for productive use. You may not demonstrate, test, examine, evaluate or otherwise use the experimental features in a live operating environment or with data that has not been sufficiently backed up.
The purpose of experimental features is to get feedback early on, allowing customers and partners to influence the future product accordingly. By providing your feedback (e.g. in the SAP Community), you accept that intellectual property rights of the contributions or derivative works shall remain the exclusive property of SAP.

Example Code

Any software coding and/or code snippets are examples. They are not for productive use. The example code is only intended to better explain and visualize the syntax and phrasing rules. SAP does not warrant the correctness and completeness of the example code. SAP shall not be liable for errors or damages caused by the use of example code unless damages have been caused by SAP's gross negligence or willful misconduct.

Bias-Free Language

SAP supports a culture of diversity and inclusion. Whenever possible, we use unbiased language in our documentation to refer to people of all cultures, ethnicities, genders, and abilities.

THE BEST RUN **SAP**