

Snip

# SAP Analytics Cloud API in Focused Build

## How to integrate with SAP Analytics Cloud

July 2023

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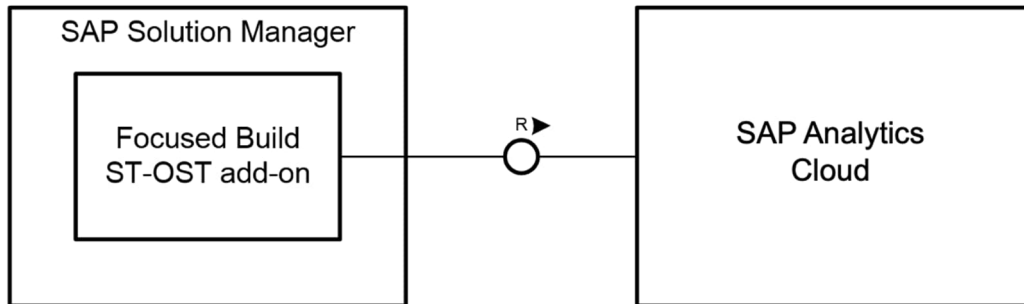
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## 1 OVERVIEW

In the context of Focused Build for SAP Solution Manager, an analytics API is provided to enable the extraction of the Requirement-to-Deploy execution data into SAP Analytics Cloud. This API consists of an extraction report /SALM/SAC\_EXTRACTION that needs to run periodically in the SAP Solution Manager system with the Focused Build add-on and an OData service /SALM/SAC\_EXTRACT to expose data source endpoints to read the extracted data from an SAP Analytics Cloud tenant.

The extraction execution collects data of requirements, work packages, and work items, together with the associated documents and transport request information. As of SP09, the API has been enhanced to include the Project, Project Milestones, and Test Suite data.

The SAP Solution Manager side of the API is delivered as part of the ST-OST add-on from SP08.



This document describes the capabilities of the API and provides the necessary technical details to extract the Requirement-to-Deploy data in the Focused Build context and to establish the connection to read the extracted data into an SAP Analytics Cloud tenant.

## 2 TECHNICAL PREREQUISITES

### 2.1 Set Up an OData Service in Focused Build

The OData Web service endpoint on SAP Solution Manager. Please make sure you have successfully executed the **Activating SALM\_FB Service** and **Defining System Aliases for OData Services** activities for the “SAP Analytics Cloud API” application described in the Focused Build Configuration Guide.

The access to this API is secured by the Internet Communication Framework of the NetWeaver stack of the SAP Solution Manager server and requires a service user. A standard role SAP\_OST\_FB\_SAC\_INT is delivered as part of Focused Build. For more information on how to use the standard delivered authorization roles, see the Focused Build Security Guide.

### 2.2 Set Up Connectivity Between Focused Build and SAP Analytics Cloud

SAP Analytics Cloud supports the extraction of OData data sources from on-premise systems using the SAP Cloud Platform Cloud Connector. To learn how to maintain the necessary connection between the SAP Solution Manager system and the SAP Analytics Cloud tenant, see the [SAP Analytics Cloud Connection Guide in the SAP Help Portal](#).

## 3 SCHEDULE EXTRACTION REPORT /SALM/SAC\_EXTRACTION IN FOCUSED BUILD


As part of this API, the report /SALM/SAC\_EXTRACTION is provided to regularly extract the Requirement-to-Deploy from Focused Build. The extracted data is stored encoded in a database table in SAP Solution Manager and ultimately used by the OData service to allow the retrieval from SAP Analytics Cloud.

Every time this report is executed, it collects and stores the information of requirements, work packages, work items, documents assigned to work packages and work items and transport requests assigned to work items. Additionally, it also collects the relation between requirements and work packages, the relation between two work packages and the relation between two work items. The report stores a full snapshot of the data at the moment of execution and also the delta information of the entities that have been modified in the last 24 hours. All data for the full snapshot is overwritten with the newly extracted data in the staging database table when the report is executed. For the delta extraction, the staging table only keeps the data that has been modified since the last report execution and for which the change timestamp is not older than 24 hours.

It is recommended to schedule the extraction report /SALM/SAC\_EXTRACTION to run as a background job at least twice a day.

The report /SALM/SAC\_EXTRACTION allows the following execution options:

**Focused Build SAC Extraction report**

Project  

Include documents of work packages  
 Include documents of work items  
 Include transports of work items  
 Include work packages without project  
 Include requirements without work package  
 Include Test Suite Data  
 Include Test Plans without Project

Test Mode

**Personal Data**

Exclude all  
 Include only Business Partner  
 Include all

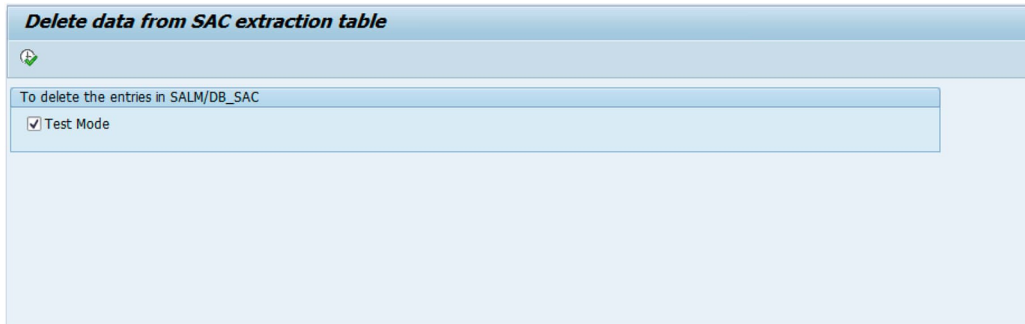
**Team and Organizational Data**

Exclude all  
 Include only Business Partner  
 Include all

- **Project:** allows you to select one or several projects for the extraction. If left empty, all projects of Focused Build are selected for the extraction. If not empty, only requirements, work packages, and work items of the selected projects are considered.
- **Include documents of work packages:** if selected, the extraction also collects the document from Solution Documentation assigned to the selected work packages.
- **Include documents of work items:** if selected, the extraction also collects the document from Solution Documentation assigned to the selected work items.
- **Include transports of work items:** if selected, the extraction also collects the transport requests assigned to the selected work items.
- **Include work packages without project:** if selected, the extraction also includes work packages that are not assigned to a project. In combination with the project select option, the work packages without projects are added to the extraction.
- **Include requirements without work package:** if checked, the extraction also includes requirements that have no work packages assigned.
- **Include Test Suite Data:** if checked, the extraction also includes Test Plans, Test Packages, Test Cases, and Test Defects with their relations.
- **Include Test Plans without Project:** if checked, the extraction also includes the Test Suite data for Test Plans without assignment to a project. This option can only be selected when the checkbox “Include Test Suite Data” is also selected.
- **Test mode:** if checked, the report only extracts the data, but it isn’t saved in the database. At the end of the execution, the report provides an ALV grid with the extracted data. This feature is provided as an expert function to preview the data to be extracted and is not intended to be used as a reporting tool. If not checked, the report also saves the extracted data in the database and presents the total number of records extracted at the end of the execution. In addition, a log is written in the application log of the SAP Solution Manager system under the object /SALM/ and subobject /SALM/SAC\_EXTRACT.
- **Personal data:** this option group provides the option to limit the details of personal data to be extracted for person types of business partners.
- **Team and organizational data:** this option group provides the option to limit the details to be extracted for groups and organization types of business partners.

## 4 DELETE THE EXTRACTION DATA FROM THE DATABASE IN FOCUSED BUILD

The report /SALM/SAC\_DELETE is provided to permanently delete the extraction data from the database table.



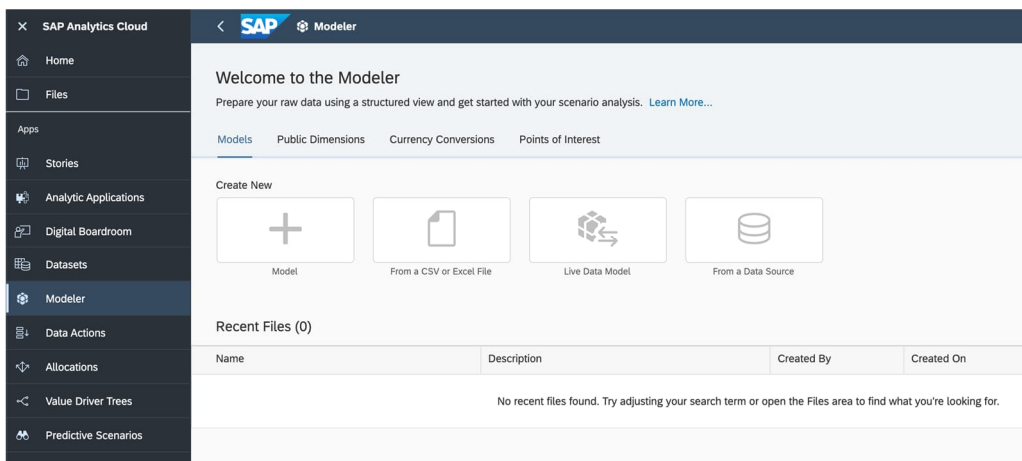
The report offers a test mode option selected by default. If checked, no database changes are performed and only the number of records that can be deleted is shown. If unchecked, the data is effectively deleted from the database and the number of deleted records is shown as output. In addition, a log is written in the application log of the SAP Solution Manager system under the object /SALM/ and subobject /SALM/DELETE\_SAC.

## 5 EXTRACT FOCUSED BUILD DATA INTO SAP ANALYTICS CLOUD

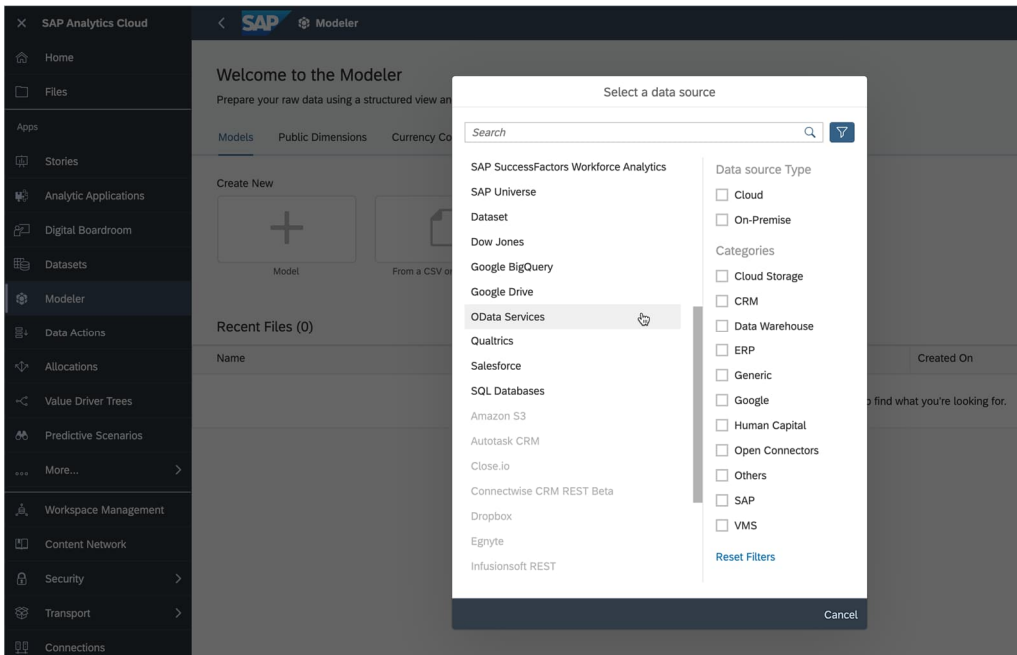
The following example only illustrates a method how to create a simple new model in SAP Analytics Cloud using a query from the API OData model of requirements. Please refer to the SAP Analytics Cloud documentation to learn more about how to create and maintain data models and how to use the data in stories.

### 5.1 Create a New Model for Requirements

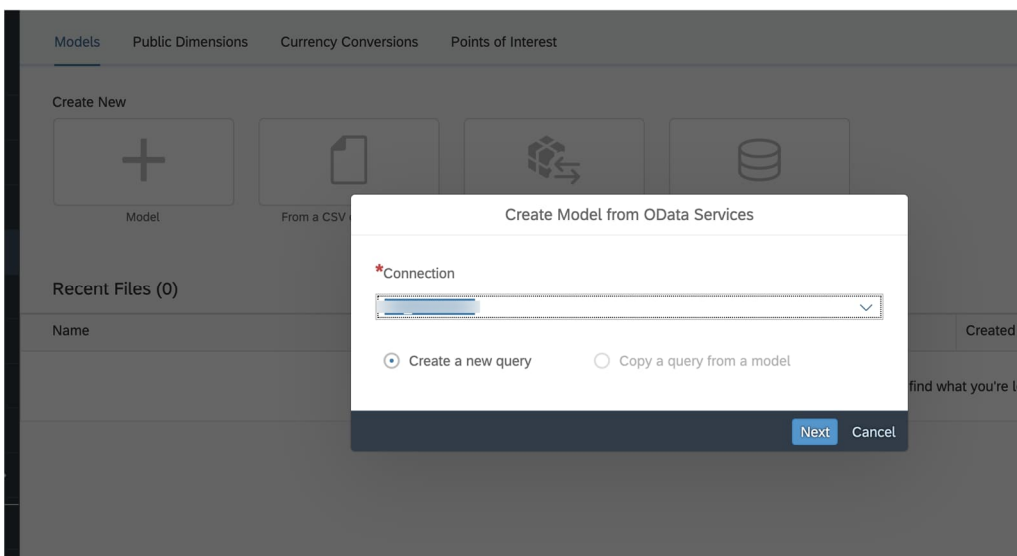
In SAP Analytics Cloud, open the Modeler from the left menu:



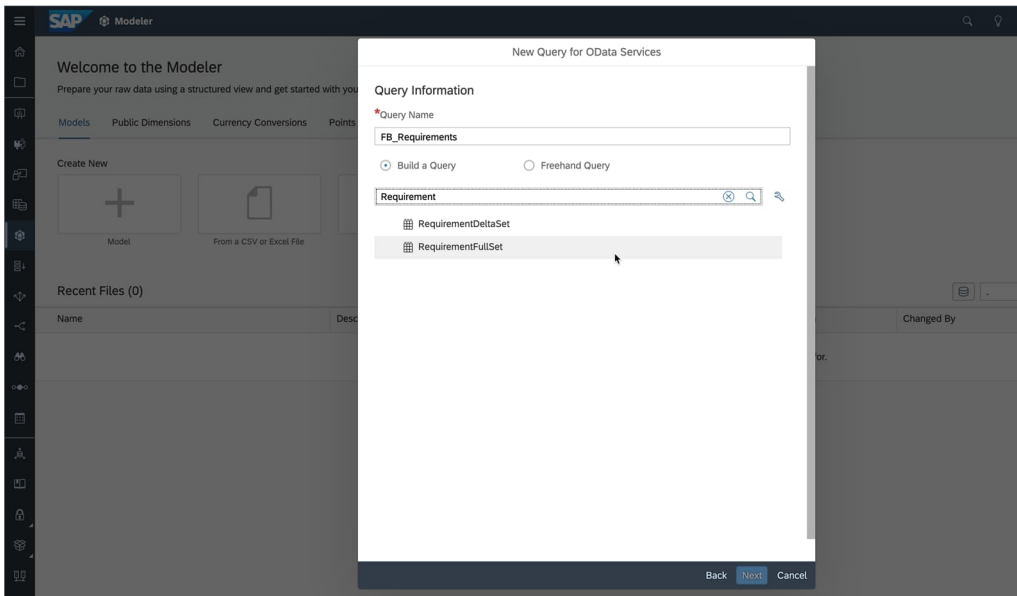
Select the **From a Data Source** option and choose **OData Services** from the list:



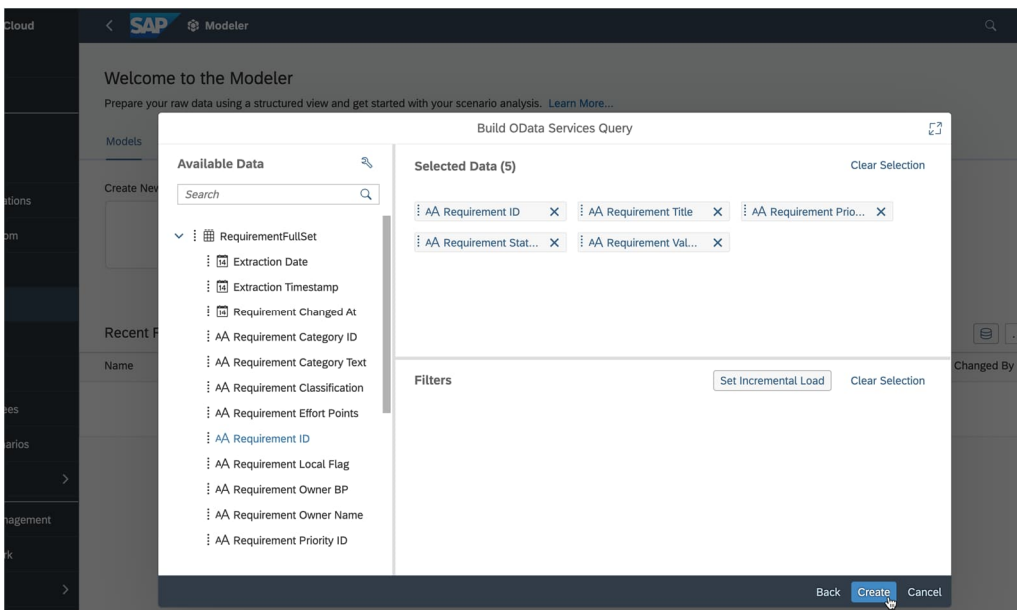
Then, from the dropdown list of connections, choose the connection that has been set up to your SAP Solution Manager system with Focused Build, select **Create a new query** and click **Next**:



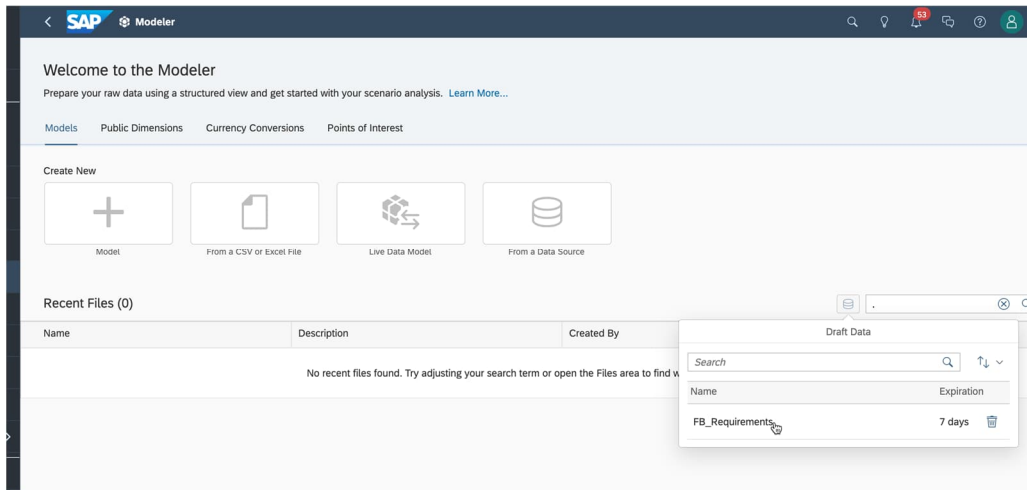
In the **Query Information** dialog box, enter a name for your new query, leave the **Build a Query** option selected, and type "Requirement" in the filter box. Finally, select the **RequirementFullSet** entity and click **Next**:



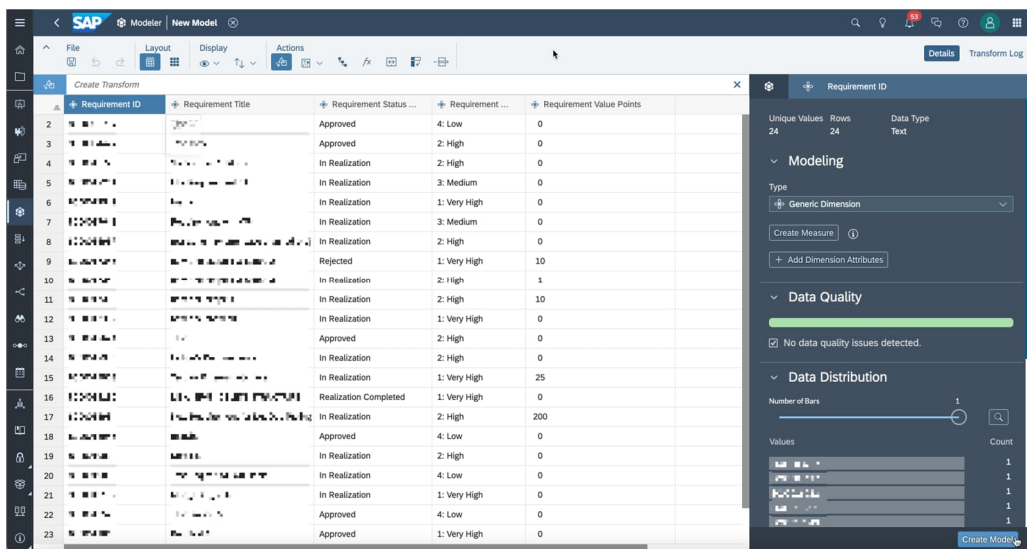
When using this method, the metadata of the entity is retrieved from Focused Build and the list of available properties is shown. To add the properties that you would like to include in the model, simply drag and drop the properties from the left list into the **Selected Data** area. At the end, click **Create** to create the model:



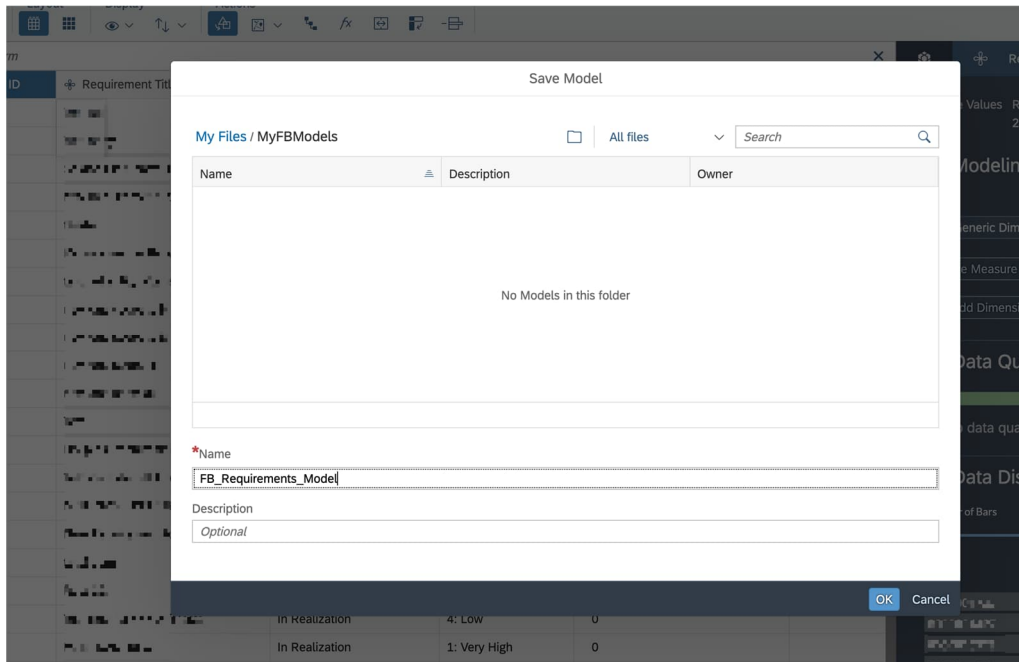
When the model is created, SAP Analytics Cloud retrieves the data from the RequirementFullSet entity and creates a draft model. Select the newly created model from the draft data function of the model and click it to open the model editor:



In the model editor of SAP Analytics Cloud, you can now enhance the model with additional entities or attributes, define measure attributes, and create transformations, for example. After you have completed editing your model definition, click **Create Model**:



Finally, choose a location and a name for your new model and click **OK**:



Now your new model is available to be used to create new dashboards within stories in SAP Analytics Cloud. Additionally, you can set up a schedule for automatic data refreshes and define if the data for this model should be replaced on every refresh or appended. For more information about how to set up the model refresh schedule and how to create stories, see the SAP Analytics Cloud documentation in the SAP Help Portal.

## 6 AVAILABLE FOCUSED BUILD ODATA ENTITIES

The following are the entities and their properties provided as part of the OData service /SALM/SAC\_EXTRACT.

### 6.1 Requirements

The requirement data is provided by the RequirementFullSet and RequirementDeltaSet entities. The following table describes the properties of both entities:

Property	Description	Filterable (*)
ReqGUID	GUID of the requirement	
ReqID	Object ID of the requirement	
ReqTitle	Title of the requirement	
ReqType	Transaction type	
ReqStatusText	User status text in background extraction user logon language	
ReqStatusID	User status ID	
ReqPriorityText	Priority text in background extraction user logon language	
ReqPriorityID	Priority ID	
ReqOwnerBP	Requirement owner business partner ID number	
ReqOwnerName	Requirement owner business partner full name	
ReqValuePoints	Requirement value points	
ReqEffortPoints	Requirement effort points	
ReqClassification	Requirement classification description	
ReqWRICEFString	Selected WRICEF flag description text, separated by comma	
ReqCategoryIdentifier	Multilevel categorization ID	
ReqCategoryText	Multilevel categorization description in background extraction user logon language	
ReqCategoryLevel	Multilevel categorization hierarchy level	
ReqPlannedProjectGuid <sup>(1)</sup>	Planned project GUID	
ReqPlannedProjectId <sup>(1)</sup>	Planned project ID	
ReqPlannedProjectName <sup>(1)</sup>	Planned project name	
ReqLocalFlag	Local flag	
ReqChangedDate	Timestamp of last modification of the requirement	
ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	X

- (\*) Only in delta entity
- (1) From Support Package 12

## 6.2 Work Packages

The work package data is provided by the WorkPackageFullSet and WorkPackageDeltaSet entities. The following table describes the properties of both entities:

Property	Description	Filterable (*)
WpGUID	GUID of the work package	
WpID	Object ID of the work package	
WpType	Transaction type	
WpStatusText	User status text in background extraction user logon language	
WpTitle	Title of the work package	
WpStatusID	User status ID	
WpPriorityText	Priority text in background extraction user logon language	
WpPriorityID	Priority ID	
WpCompletionRate	Completion rate percentage	
WpOwnerBP	Work package owner business partner ID number	
WpOwnerName	Work package owner business partner full name	
WpDevelopmentTeamBP	Development team business partner ID number	
WpDevelopmentTeamName	Development team business partner full name	
WpTesterBP	Tester business partner ID number	
WpTesterName	Tester business partner full name	
WpTestTeamBP	Test team business partner ID number	
WpTestTeamName	Test team business partner full name	
WpClassification	Work package classification description	
WpCategoryLevel	Multilevel categorization hierarchy level	
WpWRICEF	-not used-	
WpCategoryIdentifier	Multilevel categorization ID	
WpCategoryText	Multilevel categorization description in background extraction user logon language	
WpProjectName	Assigned project name	
WpProjectID	Assigned project ID	
WpProjectGUID	Assigned project GUID	
WpWaveText	Assigned wave name	
WpWaveGUID	Assigned wave GUID	
WpActualRelease	Assigned actual release name	
WpChangedDate	Timestamp of last modification of the work package	
WpEffortPoint	Work package effort points	
WpValuePoint	Work package value points	
ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	X

(\*) Only in delta entity

## 6.3 Work Items

The work item data is provided by the WorkItemFullSet and WorkItemDeltaSet entities. The following table describes the properties of both entities:

Property	Description	Filterable (*)
WiGUID	GUID of the work item	
WiID	Object ID of the work item	
WpGUID	GUID of the parent work package	
WpID	Object ID of the parent work package	
WiType	Transaction type	
WiTypeText	Transaction type description	
WiTitle	Title of the work package	
WiStatusText	Actual user status text in background extraction user logon language	
WiPrevStatusText	User status text in background extraction user logon language before last extraction report execution	
WiStatusID	Actual user status ID	
WiPrevStatusID	User status ID before last extraction report execution	
WiPriorityText	Priority text in background extraction user logon language	
WiPriorityID	Priority ID	
WiCompletionRate	Completion rate percentage	
WiDevelopmentTeamBP	Development team business partner ID number	

WiDevelopmentTeamName	Development team business partner full name	
WiDeveloperBP	Developer business partner ID number	
WiDeveloperName	Developer business partner full name	
WiCategoryLevel	Multilevel categorization hierarchy level	
WiTesterBP	Tester business partner ID number	
WiTesterName	Tester business partner full name	
WiTestTeamBP	Test team business partner ID number	
WiTestTeamName	Test team business partner full name	
WiWRICEFType	Work item classification description	
WiCategoryIdentifier	Multilevel categorization ID	
WiCategoryText	Multilevel categorization description in background extraction user logon language	
WiProjectText	Assigned project name	
WiProjectID	Assigned project ID	
WiProjectGUID	Assigned project GUID	
WiSprintText	Assigned sprint name	
WiSprintGUID	Assigned sprint GUID	
WiChangedDate	Timestamp of last modification of the work item	
ExtractionDate	Assigned actual release name	
WiReleaseText	Assigned release name	
WiReleaseGUID	Assigned release GUID	
WiWaveText	Assigned wave name	
WiWaveGUID	Assigned wave GUID	
WiStoryPoint	Work item story points	
WiValuePoint	Work item value points	
ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	X

(\*) Only in delta entity

#### 6.4 Requirements – Work Package Relation

The requirement – work package relation data is provided by the ReqWpRelationFullSet and ReqWpRelationDeltaSet entities. The following table describes the properties of both entities:

Property	Description	Filterable (*)
ReqGUID	GUID of the requirement	
ReqID	Object ID of the requirement	
WpGUID	GUID of the related work package	
WpID	Object ID of the related work package	
CreationDate	Timestamp of relation creation	
ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	X

(\*) Only in delta entity

#### 6.5 Work Package – Work Package Relation

The work package – work package relation data is provided by the WpWpRelationFullSet and WpWpRelationDeltaSet entities. The following table describes the properties of both entities:

Property	Description	Filterable (*)
Wp1GUID	GUID of the work package	
Wp1ID	Object ID of the work package	
Wp2GUID	GUID of the related work package	
Wp2ID	Object ID of the related work package	
RelationType	Type of relation. Possible values: "S1PR" (Is in parallel); "S1FL" (successor)	
CreationDate	Timestamp of relation creation	
ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	X

(\*) Only in delta entity

#### 6.6 Work Item – Work Item Relation

The work item – work item relation data is provided by the WiWiRelationFullSet and WiWiRelationDeltaSet entities. The following table describes the properties of both entities:

Property	Description	Filterable (*)
Wi1GUID	GUID of the work item	
Wi1ID	Object ID of the work item	
Wi2GUID	GUID of the related work item	
Wi2ID	Object ID of the related work item	
RelationType	Type of relation. Possible values: "S1PR" (Is in parallel); "S1FL" (successor)	
CreationDate	Timestamp of relation creation	
ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	X

(\*) Only in delta entity

## 6.7 Work Package Documents

The work package document data is provided by the WpDocumentFullSet and WpDocumentDeltaSet entities. The following table describes the properties of both entities:

Property	Description	Filterable (*)
WpGUID	GUID of the work package	
WpID	Object ID of the work package	
WpDocumentName	Document name	
WpDocumentOccID	Document OCC ID	
WpDocumentTypeName	Document type name	
WpDocumentTypeID	Document type ID	
WpDocumentStatusText	Document status text in background extraction user logon language	
WpDocumentStatusID	Document status ID	
WpDocumentOwnerBP	Document owner business partner ID	
WpDocumentOwnerName	Document owner business partner full name	
WpDocumentChangedDate	Timestamp of last change of the document	
ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	X

(\*) Only in delta entity

## 6.8 Work Item Documents

The work item document data is provided by the WiDocumentFullSet and WiDocumentDeltaSet entities. The following table describes the properties of both entities:

Property	Description	Filterable (*)
WiGUID	GUID of the work item	
WiID	Object ID of the work item	
WiDocumentName	Document name	
WiDocumentOccID	Document OCC ID	
WiDocumentTypeName	Document type name	
WiDocumentTypeID	Document type ID	
WiDocumentStatusText	Document status text in background extraction user logon language	
WiDocumentStatusID	Document status ID	
WiDocumentOwnerBP	Document owner business partner ID	
WiDocumentOwnerName	Document owner business partner full name	
WiDocumentChangedDate	Timestamp of last change of the document	
ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	X

(\*) Only in delta entity

## 6.9 Work Item Transport Requests

The work item transport request data is provided by the WiTransportFullSet and WiTransportDeltaSet entities. The following table describes the properties of both entities:

Property	Description	Filterable (*)
WiGUID	GUID of the work item	
WiID	Object ID of the work item	

WiTransportName	Description of the transport request	
WiTransportID	Transport request ID	
TranspCreationDate	Timestamp of creation of the transport request	
WiTransportStatusText	Transport request status text in background extraction user logon language	
WiTransportIsToc	Flag value if transport request is a transport of copies ("X": yes ; " ": no)	
ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	X

(\*) Only in delta entity

## 6.10 Test Plans (from Support Package 9)

The test plan data is provided by the TestPlanFull and TestPlanDelta entities. The following table describes the properties of both entities:

Property	Description	Filterable (*)
TPlanGUID	Test Plan GUID	
TPlanID	Test Plan ID	
TPlanDescription	Test Plan Text	
TPlanResponsibleBP	Responsible Person BP	
TPlanResponsibleName	Responsible Person Full Name	
TPlanCountTCError	Count Error	
TPlanCountTCOk	Count Ok	
TPlanCountTCInProgress	Count In Progress	
TPlanCountTCUntested	Count Untested	
TPlanClassification	Test Classification	
TPlanReleaseStatusID	Release Status ID	
TPlanReleaseStatusText	Release Status Text	
TPlanSolutionID	Test Plan Solution ID	
TPlanSolutionName	Test Plan Solution Text	
TPlanBranchID	Branch ID	
TPlanBranchName	Branch Text	
TPlanPlannedStartDate	Planned Start Date	
TPlanPlannedEndDate	Planned End Date	
TPlanActualStartDate	Actual Start Date	
TPlanActualEndDate	Actual End Date	
TPlanProjectGUID	Test Plan Project GUID	
TPlanWaveGUID	Test Plan Wave GUID	
TPlanCreationDate	Test Plan Creation Date	
TPlanChangedDate	Test Plan Changed Date	
ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	X

(\*) Only in delta entity

## 6.11 Test Plans (from Support Package 9)

The test package data is provided by the TestPackageFull and TestPackageDelta entities. The following table describes the properties of both entities:

Property	Description	Filterable (*)
TPkgGUID	Test Package GUID	
TPkgID	Test Package ID	
TPkgDescription	Test Package Description	
TPkgTPlanGUID	Test Plan GUID	
TPkgPriorityText	Test Package Priority Text	
TPkgResponsibleBP	Responsible Person BP	
TPkgResponsibleName	Responsible Person Full Name	
TPkgPlannedStartDate	Planned Start Date	
TPkgPlannedEndDate	Planned End Date	
TPkgActualStartDate	Actual Start Date	
TPkgActualEndDate	Actual End Date	
TPkgCreationDate	Test Package Creation Date	
TPkgCountTCError	Count Test Cases in Error status	
TPkgCountTCOk	Count Test Cases in OK status	
TPkgCountTCInProgress	Count Test Cases in In Progress status	
TPkgCountTCUntested	Count Test Cases in Untested status	
TPkgChangedDate	Test Package Changed Date	

ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	X

(\*) Only in delta entity

## 6.12 Test Cases (from Support Package 9)

The test case data is provided by the TestCaseFull and TestCaseDelta entities. The following table describes the properties of both entities:

Property	Description	Filterable (*)
TCaseID	Test Case ID	
TCaseDescription	Test Case Description	
TCaseType	Test Case Type	
TCaseStatus	Test Case Status ID	
TCaseStatusText	Test Case Status Text	
TCaseTPkgGUID	Test Package GUID	
TCaseEnded	Test Case Ended	
TCaseClassification	Test Case Classification	
TCaseAssignedTesterBP	Assigned Tester User ID	
TCaseAssignedTesterName	Assigned Tester Name	
TCaseOverallStatus	Test Case Overall Status	
TCaseOverallStatusText	Test Case Overall Status Text	
TCaseCreatedByID	Test Case Creator User ID	
TCaseCreatedByName	Test Case Creator Name	
TCaseChangedByID	Count Test Cases in Untested status	
TCaseChangedByName	Test Case Changed by User ID	
TCaseChangedDate	Test Case Changed by Name	
ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	X

(\*) Only in delta entity

## 6.13 Test Defect (from Support Package 9)

The test defect data is provided by the TestDefectFull and TestDefectDelta entities. The following table describes the properties of both entities:

Property	Description	Filterable (*)
TestDefID	Test Defect ID	
TestDefTitle	Test Defect Title	
TestDefGUID	Test Defect GUID	
TestDefStatusID	Test Defect Status ID	
TestDefStatusText	Test Defect Status Text	
TestDefPriority	Test Defect Priority ID	
TestDefPriorityText	Test Defect Priority Text	
TestDefCreationDate	Test Defect Creation Date	
TestDefType	Test Defect Type	
TestDefProcessorName	Processor Full Name	
TestDefProcessorBP	Processor BP	
TestDefSupportTeamName	Support Team Name	
TestDefSupportTeamBP	Support Team BP	
TestDefCategorization	Test Defect Categorization	
TestDefCategorizationText	Test Defect Categorization Text	
TestDefCategorizationLevel	Categorization Level	
TestDefProjectID	Test Defect Project ID	
TestDefProjectName	Test Defect Project Name	
TestDefWaveGUID	Test Defect Wave GUID	
TestDefWaveText	Test Defect Wave Text	
TestDefCategoryText	Test Defect Category	
TestDefCategoryIdentifier	Test Defect Category ID	
TestDefRelDefCorrWithdrawnExists	Related Defect Correction withdrawn exists	
TestDefActiveDefCorrectionGUID	Active Defect Correction GUID (**)	
TestDefReporterBP	Reporter BP	
TestDefReporterName	Reporter Name	
TestDefChangedDate	Test Defect Changed Date	
ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	X

(\*) Only in delta entity

(\*\*) The defect corrections are extracted as part of the work item entity

#### 6.14 Work Package – Test Package Relation (from Support Package 9)

The work package and test package relation data is provided by the WpTpRelationFull entity. This entity does not provide delta data. The following table describes its properties:

Property	Description	Filterable
WpGUID	Work Package GUID	
RelTPlanGUID	Test Plan GUID	
TPkgGUID	Test Package GUID	
ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	X

#### 6.15 Test Defect – Test Case Relation (from Support Package 9)

The test defect and test case relation data is provided by the TdTcRelationFull entity. This entity does not provide delta data. The following table describes its properties:

Property	Description	Filterable
TCaseID	Test Case GUID	
TestDefGUID	Test Defect GUID	
ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	X

#### 6.16 Projects (from Support Package 9)

The project data is provided by the ProjectFull entity. This entity does not provide delta data. The following table describes its properties:

Property	Description	Filterable
ProjectGUID	Project GUID	
ProjectID	Project ID	
ProjectType	Project Type	
ProjectDescription	Project Description	
ProjectSeverity	Severity ID	
ProjectSeverityText	Severity Text	
ProjectStartDate	Start Date	
ProjectEndDate	End Date	
MainProjectGuid	Main Project GUID	
ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	

#### 6.17 Project Milestones (from Support Package 9)

The project milestone data is provided by the ProjectMilestoneFull entity. This entity does not provide delta data. The following table describes its properties:

Property	Description	Filterable
ProjMsProjectGUID	Project GUID	
ProjMsWaveGUID	Wave GUID	
ProjMsWaveText	Wave Text	
ProjMsWaveStart	Wave Start Date	
ProjMsWaveFinish	Wave Finish Date	
ProjMsWaveStatus	Wave Status	
ProjMsWaveChangedDate	Wave Changed Date	
ProjMsSprintGUID	Sprint GUID	
ProjMsSprintText	Sprint Text	
ProjMsSprintStart	Sprint Start Date	
ProjMsSprintFinish	Sprint Finish Date	
ProjMsSprintStatus	Sprint Status	
ProjMsSprintActualFinish	Sprint Actual Finish Date	

ProjMsSprintChangedDate	Sprint Changed Date	
ExtractionDate	Date of data extraction report execution	
ExtractionTimestamp	Timestamp of data extraction report execution	

## 6.18 Support of Custom Fields

Active fields customized in transaction /SALM/CUSTFLD are supported to aid in the collection and retrieval of data for the following entities:

- RequirementFullSet: Supported from Support Package 12 for fields associated with transaction type **S1BR**
- RequirementDeltaSet: Supported from Support Package 12 for fields associated with transaction type **S1BR**

The inclusion of custom fields in the above-mentioned entities is performed dynamically based on the current Customizing in transaction /SALM/CUSTFLD. The name of the attribute that is added to the entities is the technical name as it is displayed in the *Customer Extension Field Name* column in the Customizing table.

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