

Setup Guide – CDS Views

Manage Asset Creation Requests using SAP
Workflow Management or SAP Build Process
Automation

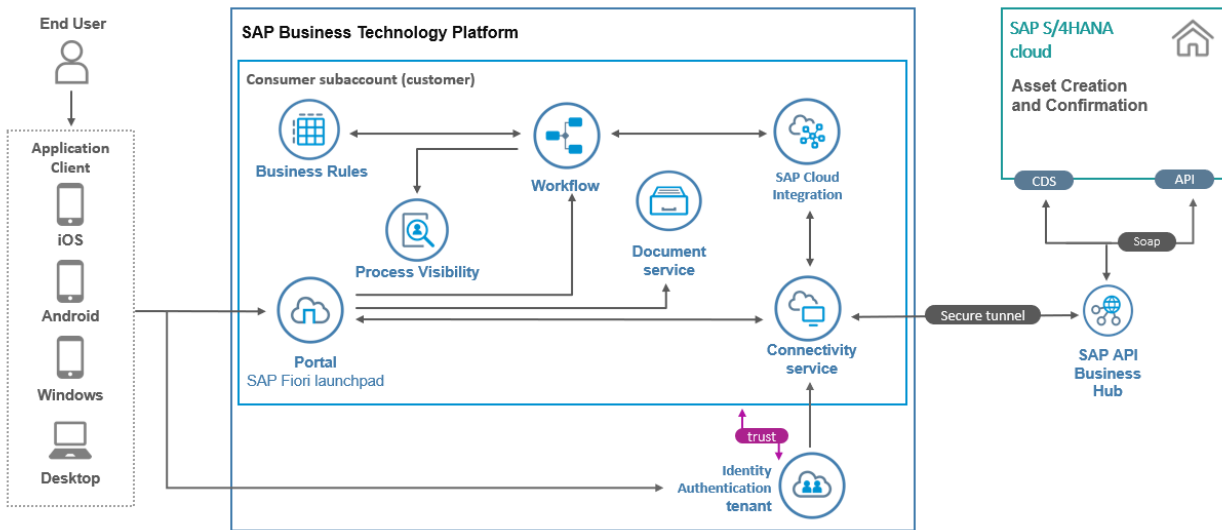
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Overview

This document provides information about configuring the CDS Views required in the workflow content package **Manage Asset Creation Requests** applications.

Manage Asset Creation Requests



Custom CDS View and Custom communication scenario

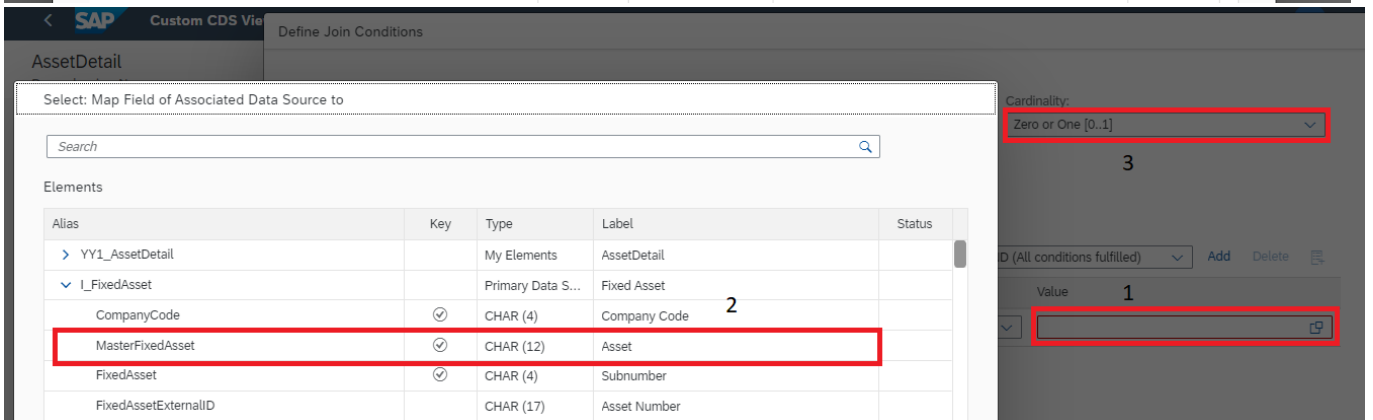
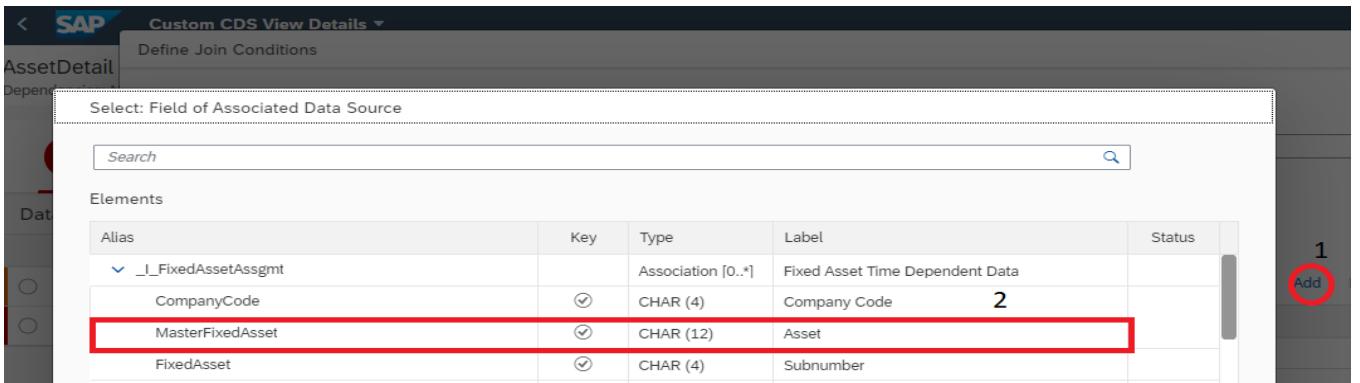
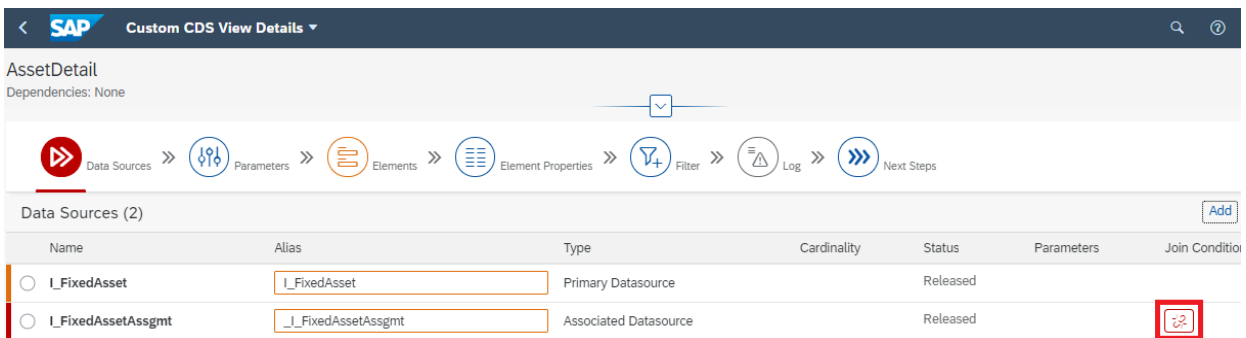
To call the APIs related to **Manage Asset Creation Requests**, the following CDS Views and custom communication scenarios along with communication arrangement should be enabled for the communication user. The SAP S/4HANA custom communication scenario consists of the external API details which was used to display the Asset details and value help used in Manage Asset creation request application. This application is developed based on [CDS as external ODATA API](#) and [creation of custom communication scenario](#).

The creation of Custom CDS View as external API's and custom communication scenario provide below with screen shots below.

Creation of CDS View Asset details (YY1_AssetDetails)

1. Login to S4HANA cloud Fiori Launchpad with required credentials.
2. Go to **Extensibility** business group and click on **Custom CDS Views** tile
3. Click on create button it will open the pop-up, provide label as **AssetDetails** and choose **External API** option from scenario dropdown and click on button create in pop-up window.
4. Select primary data source from will be open with list of CDS View provide the Standard CDS view name `I_FixedAsset` in search field and enter select the required CDS Names "`I_FixedAsset`" and "`I_FixedAssetAssgmt`" to continue.

- In case to use multiple CDS in Data sources tab click on “Add” button and select “Associated Data Sources” which opens pop-up. Provide the Standard CDS view name “I_FixedAssetAssgmt” in search field and Click “OK”. The Data Source “I_FixedAssetAssgmt” will be listed , select it.
- After selection of primary and secondary data source, click on Join condition which open Define Join condition Pop-up, click add button and make relationship between two data sources by selection of similar fields in field of associated data sources and change cardinality as per requirement of CDS Views.



Define Join Conditions

Name: I_FixedAssetAssgmt
 Type: Associated Datasource
 Alias: _I_FixedAssetAssgmt
 Cardinality: Zero or One [0..1]

Join Conditions (2)

<input type="checkbox"/>	Data Source Field	Type	Operator	Value Type	Value
<input type="checkbox"/>	MasterFixedAsset	CHAR (12)	Equal	Field	I_FixedAsset.Mas...
<input type="checkbox"/>	CompanyCode	CHAR (4)	Equal	Field	I_FixedAsset.Com...

7. Go to Elements tab click add button and select elements from submenu and select required fields from multiple CDS click Ok button.

SAP Custom CDS View Details

AssetDetail
 Dependencies: None

Navigation: Data Sources » Parameters » **Elements** » Element Properties » Filter » Log » Next Steps

Elements (5)

<input type="checkbox"/>	Key	Alias	Type	Path	Label	
<input type="checkbox"/>	<input checked="" type="radio"/>	CompanyCode	CHAR (4)	I_FixedAsset.CompanyCode	Company Code	Elements Calculation Parameters
<input type="checkbox"/>	<input checked="" type="radio"/>	MasterFixedAsset	CHAR (12)	I_FixedAsset.MasterFixedAsset	Asset	
<input type="checkbox"/>	<input checked="" type="radio"/>	FixedAsset	CHAR (4)	I_FixedAsset.FixedAsset	Subnumber	
<input type="checkbox"/>	<input type="radio"/>	_CompanyCode	Association	I_FixedAsset._CompanyCode	_CompanyCode	
<input type="checkbox"/>	<input type="radio"/>	_MasterFixedAsset	Association	I_FixedAsset._MasterFixedAsset	_MasterFixedAsset	

Select: Elements

Search

Items

<input type="checkbox"/>	Alias	Key	Type	Label	Status
<input type="checkbox"/>	> I_FixedAsset		Primary Data S...	Fixed Asset	
<input type="checkbox"/>	> _I_FixedAssetAssgmt		Association [0..*]	Fixed Asset Time Dependent Data	

Selected Items and Conditions (5)

AssetClass x CostCenter x Plant x FixedAssetDescription x Supplier x

OK Cancel

Elements (13)					
Filtered By: Label					
<input type="checkbox"/>	Key	Alias	Type	Path	Label
<input type="checkbox"/>	<input checked="" type="radio"/>	CompanyCode	CHAR (4)	I_FixedAsset.CompanyCode	Company Code
<input type="checkbox"/>	<input checked="" type="radio"/>	MasterFixedAsset	CHAR (12)	I_FixedAsset.MasterFixedAsset	Asset
<input type="checkbox"/>	<input checked="" type="radio"/>	FixedAsset	CHAR (4)	I_FixedAsset.FixedAsset	Subnumber
<input type="checkbox"/>	<input type="radio"/>	AssetClass	CHAR (8)	I_FixedAsset.AssetClass	Asset Class
<input type="checkbox"/>	<input type="radio"/>	Inventory	CHAR (25)	I_FixedAsset.Inventory	Inventory Number
<input type="checkbox"/>	<input type="radio"/>	FixedAssetDescription	CHAR (50)	I_FixedAsset.FixedAssetDescription	Description
<input type="checkbox"/>	<input type="radio"/>	AssetAdditionalDescription	CHAR (50)	I_FixedAsset.AssetAdditionalDescription	Description (2)
<input type="checkbox"/>	<input type="radio"/>	ValidityStartDate	DATS (8)	_I_FixedAssetAssgmt.ValidityStartDate	Valid From
<input type="checkbox"/>	<input type="radio"/>	ValidityEndDate	DATS (8)	_I_FixedAssetAssgmt.ValidityEndDate	Valid To
<input type="checkbox"/>	<input type="radio"/>	CostCenter	CHAR (10)	_I_FixedAssetAssgmt.CostCenter	Cost Center
<input type="checkbox"/>	<input type="radio"/>	Plant	CHAR (4)	_I_FixedAssetAssgmt.Plant	Plant
<input type="checkbox"/>	<input type="radio"/>	AssetManufacturerName	CHAR (30)	I_FixedAsset.AssetManufacturerName	Manufacturer
<input type="checkbox"/>	<input type="radio"/>	Supplier	CHAR (10)	I_FixedAsset.Supplier	Supplier

8. Click on Publish button present on Footer.

Creation of CDS Asset Class (YY1_AssetClass)

Repeat step 1 to 3 as mentioned above in asset details
 For 4th step select primary data source as I_AssetClassText.

Steps 5 & 6 are not required as it is single data source
 Repeat step 7 by selecting required fields as shown in below screenshot

AssetClass
 Dependencies: 1 (Compatible Changes Allowed)

Navigation: Data Sources >> Parameters >> **Elements** >> Element Properties >> Filter >> Log >> Next Steps

Elements (4)					
Filtered By: Label					
<input type="checkbox"/>	Key	Alias	Type	Path	Label
<input type="checkbox"/>	<input checked="" type="radio"/>	AssetClass	CHAR (8)	I_AssetClassText.AssetClass	Asset Class
<input type="checkbox"/>	<input checked="" type="radio"/>	Language	LANG (1)	I_AssetClassText.Language	Language Key
<input type="checkbox"/>	<input type="radio"/>	AssetClassName	CHAR (20)	I_AssetClassText.AssetClassName	Short Text
<input type="checkbox"/>	<input type="radio"/>	AssetClassDescription	CHAR (50)	I_AssetClassText.AssetClassDescription	Description

Go to Filter tab and select language in form-based and in value provide system language as shown below

Field: I_AssetClassTextLanguage
 Type: LANG(1)
 Operator: Equal
 Value Type: Session Variable

Repeat step 8 by publishing CDS View

Creation of CDS view Company Code (YY1_CompanyCode)

Repeat step 1 to 3 as mentioned above in asset details

For 4th step select primary data source as I_CompanyCode as shown in below screen shots

Steps 5 & 6 are not required as it is single data source

Repeat step 7 by selecting required fields in Element's tab as shown in below screen shot

CompanyCode
Dependencies: 3 (Compatible Changes Allowed)

Navigation: Data Sources » Parameters » **Elements** » Element Properties » Filter » Log » Next Steps

Elements (4)

Filtered By: Label

<input type="checkbox"/>	Key	Alias	Type	Path	Label
<input type="checkbox"/>	<input checked="" type="radio"/>	CompanyCode	CHAR (4)	I_CompanyCode.CompanyCode	Company Code
<input type="checkbox"/>	<input type="radio"/>	CompanyCodeName	CHAR (25)	I_CompanyCode.CompanyCodeName	Company Name
<input type="checkbox"/>	<input type="radio"/>	Currency	CUKY (5)	I_CompanyCode.Currency	Currency
<input type="checkbox"/>	<input type="radio"/>	Language	LANG (1)	I_CompanyCode.Language	Language Key

Repeat step 8 by publish company code CDS View

Creation of CDS View Cost Center (YY1_CostCenter)

Repeat step 1 to 3 as mentioned above in asset details

For 4th step select primary data source as I_CostCenterText.

Steps 5 & 6 are not required as it is single data source

Repeat step 7 by selecting required fields in Elements tab as shown in below screen shot

CostCenter
Dependencies: 2 (Compatible Changes Allowed)

Navigation: Data Sources » Parameters » **Elements** » Element Properties » Filter » Log » Next Steps

Elements (6)

Filtered By: Label

<input type="checkbox"/>	Key	Alias	Type	Path	Label
<input type="checkbox"/>	<input checked="" type="radio"/>	CostCenter	CHAR (10)	I_CostCenterText.CostCenter	Cost Center
<input type="checkbox"/>	<input checked="" type="radio"/>	ControllingArea	CHAR (4)	I_CostCenterText.ControllingArea	Controlling Area
<input type="checkbox"/>	<input checked="" type="radio"/>	Language	LANG (1)	I_CostCenterText.Language	Language Key
<input type="checkbox"/>	<input checked="" type="radio"/>	ValidityEndDate	DATS (8)	I_CostCenterText.ValidityEndDate	Valid To
<input type="checkbox"/>	<input type="radio"/>	CostCenterName	CHAR (20)	I_CostCenterText.CostCenterName	Cost Center Name
<input type="checkbox"/>	<input type="radio"/>	CostCenterDescription	CHAR (40)	I_CostCenterText.CostCenterDescription	Cost Center Desc.

Repeat step 8 by publish CDS View

Creation of CDS View Asset Number (YY1_Asset)

Repeat step 1 to 3 as mentioned above in asset details
For 4th step select primary data source as I_FixedAssetStdVH.

Steps 5 & 6 are not required as it is single data source
Repeat step 7 by selecting required fields in Elements tab as shown in below screen shot

Asset
Dependencies: 1 (Compatible Changes Allowed)

Navigation: Data Sources » Parameters » **Elements** » Element Properties » Filter » Log » Next Steps

Elements (4)

Filtered By: Label

<input type="checkbox"/>	Key	Alias	Type	Path	Label
<input type="checkbox"/>	<input checked="" type="radio"/>	CompanyCode	CHAR (4)	I_FixedAssetStdVH.CompanyCode	Company Code
<input type="checkbox"/>	<input checked="" type="radio"/>	MasterFixedAsset	CHAR (12)	I_FixedAssetStdVH.MasterFixedAsset	Asset
<input type="checkbox"/>	<input checked="" type="radio"/>	FixedAsset	CHAR (4)	I_FixedAssetStdVH.FixedAsset	Subnumber
<input type="checkbox"/>	<input type="radio"/>	FixedAssetDescription	CHAR (50)	I_FixedAssetStdVH.FixedAssetDescription	Description

Repeat step 8 by publish CDS View

Creation of CDS View plant (YY1_Plant)

Repeat step 1 to 3 as mentioned above in asset details
For 4th step select primary data source as I_PlantStdVH.

Steps 5 & 6 are not required as it is single data source
Repeat step 7 by selecting required fields in Element's tab as shown in below screen shot

Plant
Dependencies: 2 (Compatible Changes Allowed)

Navigation: Data Sources » Parameters » **Elements** » Element Properties » Filter » Log » Next Steps

Elements (2)

Filtered By: Label

<input type="checkbox"/>	Key	Alias	Type	Path	Label
<input type="checkbox"/>	<input checked="" type="radio"/>	Plant	CHAR (4)	I_PlantStdVH.Plant	Plant
<input type="checkbox"/>	<input type="radio"/>	PlantName	CHAR (30)	I_PlantStdVH.PlantName	Plant Name

Repeat step 8 by publish CDS View

Creation of CDS View supplier (YY1_Supplier)

Repeat step 1 to 3 as mentioned above in asset details
For 4th step select primary data source as I_Supplier

Steps 5 & 6 are not required as it is single data source
Repeat step 7 by selecting required fields in Element's tab as shown in below screen shot

Supplier
Dependencies: 2 (Compatible Changes Allowed)

Navigation: Data Sources » Parameters » **Elements** » Element Properties » Filter » Log » Next Steps

Elements (3)

Filtered By: Label

<input type="checkbox"/>	Key	Alias	Type	Path	Label
<input type="checkbox"/>	<input checked="" type="radio"/>	Supplier	CHAR (10)	I_Supplier.Supplier	Supplier
<input type="checkbox"/>	<input type="radio"/>	SupplierName	CHAR (80)	I_Supplier.SupplierName	Name of Supplier
<input type="checkbox"/>	<input type="radio"/>	SupplierAccountGroup	CHAR (4)	I_Supplier.SupplierAccountGroup	Account Group

Repeat step 8 by publish CDS View

Creation of CDS View Requestor (YY1_UserDetails)

Repeat step 1 to 3 as mentioned above in asset details
For 4th step select primary data source as I_BusinessUserVH.

Steps 5 & 6 are not required as it is single data source
Repeat step 7 by selecting required fields in Element's tab as shown in below screen shot

UserDetails
Dependencies: 1 (Compatible Changes Allowed)

Navigation: Data Sources » Parameters » **Elements** » Element Properties » Filter » Log » Next Steps

Elements (5)

<input type="checkbox"/>	Key	Alias	Type	Path	Label
<input type="checkbox"/>	<input checked="" type="radio"/>	BusinessPartner	CHAR (10)	I_BusinessUserVH.BusinessPartner	Person ID
<input type="checkbox"/>	<input type="radio"/>	UserID	CHAR (12)	I_BusinessUserVH.UserID	User ID
<input type="checkbox"/>	<input type="radio"/>	FirstName	CHAR (40)	I_BusinessUserVH.FirstName	First Name
<input type="checkbox"/>	<input type="radio"/>	LastName	CHAR (40)	I_BusinessUserVH.LastName	Last Name
<input type="checkbox"/>	<input type="radio"/>	DefaultEmailAddress	CHAR (241)	I_BusinessUserVH.DefaultEmailAddress	Email Address

Repeat step 8 by publish CDS View

Creation of CDS View Supplier by Company (YY1_SupplierByCompany)

Repeat step 1 to 8 mentioned in above asset details by changing with below data sources and selection fields in below screen shot

SupplierByCompany
Dependencies: 1 (Compatible Changes Allowed)

Navigation: Data Sources » Parameters » Elements » Element Properties » Filter » Log » Next Steps

Data Sources (2)

Name	Alias	Type	Cardinality	Status
<input type="radio"/> I_SupplierCompanyByPlant	I_SupplierCompanyByPlant	Primary Datasource		Released
<input type="radio"/> I_CostCenter	_I_CostCenter	Associated Datasource	Zero or More [0..*]	Released

Define Join Conditions

Name: I_CostCenter Alias: _I_CostCenter Type: Associated Datasource
Cardinality: Zero or More [0..*]

Join Conditions (1)

<input type="checkbox"/> Data Source Field	Type	Operator	Value Type	Value
<input type="checkbox"/> CompanyCode	CHAR (4)	Equal	Field	I_SupplierCompanyByPlant.CompanyCode

Close

SupplierByCompany
Dependencies: 1 (Compatible Changes Allowed)

Navigation: Data Sources » Parameters » Elements » Element Properties » Filter » Log » Next Steps

Elements (4)

<input type="checkbox"/> Key	Alias	Type	Path	Label
<input type="checkbox"/> <input checked="" type="radio"/> ON	Plant	CHAR (4)	I_SupplierCompanyByPlant.Plant	Plant
<input type="checkbox"/> <input checked="" type="radio"/> ON	Supplier	CHAR (10)	I_SupplierCompanyByPlant.Supplier	Supplier
<input type="checkbox"/> <input type="radio"/> OFF	CompanyCode	CHAR (4)	I_SupplierCompanyByPlant.CompanyCode	Company Code
<input type="checkbox"/> <input type="radio"/> OFF	CostCenter	CHAR (10)	_I_CostCenter.CostCenter	Cost Center

Creation of Custom communication scenario

1. Login to SAP S/4HANA cloud Fiori Launchpad with required credentials.
2. Go to **Extensibility** in toolbar and click **Custom Communication Scenarios** tile.
3. Click on New button which open pop-up window provide communication scenario ID as Asset and description as Asset Creation and click New on pop-up button.
4. Click on Add button in Inbound services and select required CDS from Add services pop-up and click on OK button.

Select CDS Views as mentioned below:

YY1_ASSETCLASS_CDS
YY1_ASSETDETAILS_CDS
YY1_ASSET_CDS
YY1_COMPANYCODE_CDS
YY1_COSTCENTER_CDS
YY1_PLANT_CDS
YY1_SUPPLIERBYCOMPANY_CDS
YY1_SUPPLIER_CDS
YY1_USERDETAILS_CDS

5. Click on Publish button present on Footer, it will enable the Create Arrangement button after successful publish.
6. Click on Create Arrangement button, it will navigate to new Fiori app Communication arrangement by open pop-up new communication arrangement. Enter required Scenario Id YY1_Asset and Arrangement name as asset and click on Create button.
7. Enter Communication system and Username created in SAP S/4HANA system.
Refer here to know how to create [Communication user](#) and [Communication System](#)
8. Save the Communication Arrangement and status should change to Active.
For more details, refer here how to create [Communication Arrangement](#)