

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Setup Guide – CDS Views

Goods Receipts Inspection Lot Supplier Negotiation

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Overview

This document provides information about configuring the CDS Views required in the workflow content package **Goods Receipts Inspection Lot Supplier Negotiation** applications.

Custom CDS View and Custom communication scenario

To call the APIs related to **Goods Receipts Inspection Lot Supplier Negotiation**, 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 fetch rejection lots details in CI integration for Goods Receipts Inspection Lot Supplier Negotiation 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_RejectedInspection)

1. Login to S/4HANA 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 **RejectedInspection** and choose **External API** option from scenario dropdown and click on button **Create** in pop-up window.

The screenshot shows the 'Create Custom CDS View' dialog box. The 'Label' field is set to 'RejectedInspection', the 'Name' field is 'YY1_RejectedInspection', and the 'Scenario' dropdown is set to 'External API'. The 'Create' button is highlighted in red in the top right corner (1), and the 'Create' button at the bottom right is also highlighted in red (4). The 'External API' option in the dropdown menu is highlighted in red (3).

- Select primary data source by clicking Add button will be open with list of CDS View provide the Standard CDS view name I_InspectionLot in search field and enter select the required CDS to continue.

Select: Primary Data Source

I_InspectionLot ✕ 🔍 [Show Filters](#)

Data Sources (46) ⚙️ 🔄

| Name | Label | Source Origin | Modeling Data Source | Modeling Association Target | Analytic |
|-----------------|----------------|------------------------|----------------------|-----------------------------|----------|
| I_InspectionLot | Inspection Lot | ABAP Development Tools | ✔️ | ✔️ | |

- Add one more Data source by clicking on Add button. Select associated data source which opens pop-up. Provide the Standard CDS view name I_InspSubSetResults in search field and click "OK".

SAP Custom CDS View Details 🔍 🔔 👤 KR

RejectedInspection
Dependencies: None

🔍 Data Sources » ⚙️ Parameters » 📄 Elements » 📋 Element Properties » 🗑️ Filter » 📄 Log » 🏠 Next Steps

Data Sources (1) Add Remove

| Name | Alias | Type | Cardinality | Status | Parameters |
|---------------------------------------|-----------------|--------------------|-------------|----------|------------|
| <input type="radio"/> I_InspectionLot | I_InspectionLot | Primary Datasource | | Released | |

Primary Data Source
Associated Data Sources

Select: Associated Data Source

I_InspSubsetResult ✕ 🔍

Data Sources (1)

| <input type="checkbox"/> | Name | Label | Source Origin | Modeling Data Source | Modeling Association Target |
|--------------------------|--------------------|-------------------------------------|------------------------|----------------------|-----------------------------|
| <input type="checkbox"/> | I_InspSubsetResult | Insp Result for an Inspection Point | ABAP Development Tools | ✔️ | ✔️ |

- After selection of primary and associated data source, the data sources should be shown as in the below screenshot.

RejectedInspection
 Dependencies: 1 (Compatible Changes Allowed) Publishing Success

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

Data Sources (6)

| Name | Alias | Type | Cardinality | Status | Parameters | Join Condition |
|--|--|-----------------------|---------------------|----------|------------|-------------------|
| <input type="radio"/> I_InspectionLot | <input type="text" value="_I_InspectionLot"/> | Primary Datasource | | Released | | |
| <input type="radio"/> I_InspSubsetResult | <input type="text" value="_I_InspSubsetResult"/> | Associated Datasource | Zero or More [0..*] | Released | | ✎ |
| <input type="radio"/> I_PurchaseOrderAPI01 | <input type="text" value="_I_PurchaseOrderAPI01"/> | Associated Datasource | Zero or One [0..1] | Released | | ✎ |
| <input type="radio"/> I_ProductDescription | <input type="text" value="_I_ProductDescription"/> | Associated Datasource | Zero or One [0..1] | Released | | ✎ |
| <input type="radio"/> I_Plant | <input type="text" value="_I_Plant"/> | Associated Datasource | Zero or One [0..1] | Released | | ✎ |
| <input type="radio"/> I_Supplier | <input type="text" value="_I_Supplier"/> | Associated Datasource | Zero or One [0..1] | Released | | ✎ |

- Click on Icon in the Join condition column which opens 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_InspSubsetResult Alias: _I_InspSubsetResult 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"/> InspectionLot | NUMC (12) | Equal | Field | <input type="text" value="I_InspectionLot.InspectionLot"/> |

Repeat same above join step for other data sources as per below join condition screen along with cardinality.

Define Join Conditions

Name: I_PurchaseOrderAPI01 Alias: _I_PurchaseOrderAPI01 Type: Associated Datasource
 Cardinality: Zero or One [0..1]

Join Conditions (1)

| <input type="checkbox"/> Data Source Field | Type | Operator | Value Type | Value |
|--|-----------|----------|------------|---|
| <input type="checkbox"/> PurchaseOrder | CHAR (10) | Equal | Field | <input type="text" value="PurchasingDocument"/> |

Define Join Conditions

Name:
I_ProductDescription

Alias:
_I_ProductDescription

Type:
Associated Datasource

Cardinality:
Zero or One [0..1]

Join Conditions (2)

| <input type="checkbox"/> Data Source Field | Type | Operator | Value Type | Value |
|--|-----------|----------|------------------|---|
| <input type="checkbox"/> Product | CHAR (40) | Equal | Field | <input type="text" value="I_InspectionLot.Material"/> |
| <input type="checkbox"/> Language | LANG (1) | Equal | Session variable | System Language |

Define Join Conditions

Name:
I_Plant

Alias:
_I_Plant

Type:
Associated Datasource

Cardinality:
Zero or One [0..1]

Join Conditions (1)

| <input type="checkbox"/> Data Source Field | Type | Operator | Value Type | Value |
|--|----------|----------|------------|--|
| <input type="checkbox"/> Plant | CHAR (4) | Equal | Field | <input type="text" value="I_InspectionLot.Plant"/> |

Define Join Conditions

Name:
I_Supplier

Alias:
_I_Supplier

Type:
Associated Datasource

Cardinality:
Zero or One [0..1]

Join Conditions (1)

| <input type="checkbox"/> Data Source Field | Type | Operator | Value Type | Value |
|--|-----------|----------|------------|---|
| <input type="checkbox"/> Supplier | CHAR (10) | Equal | Field | <input type="text" value="I_InspectionLot.Supplier"/> |

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

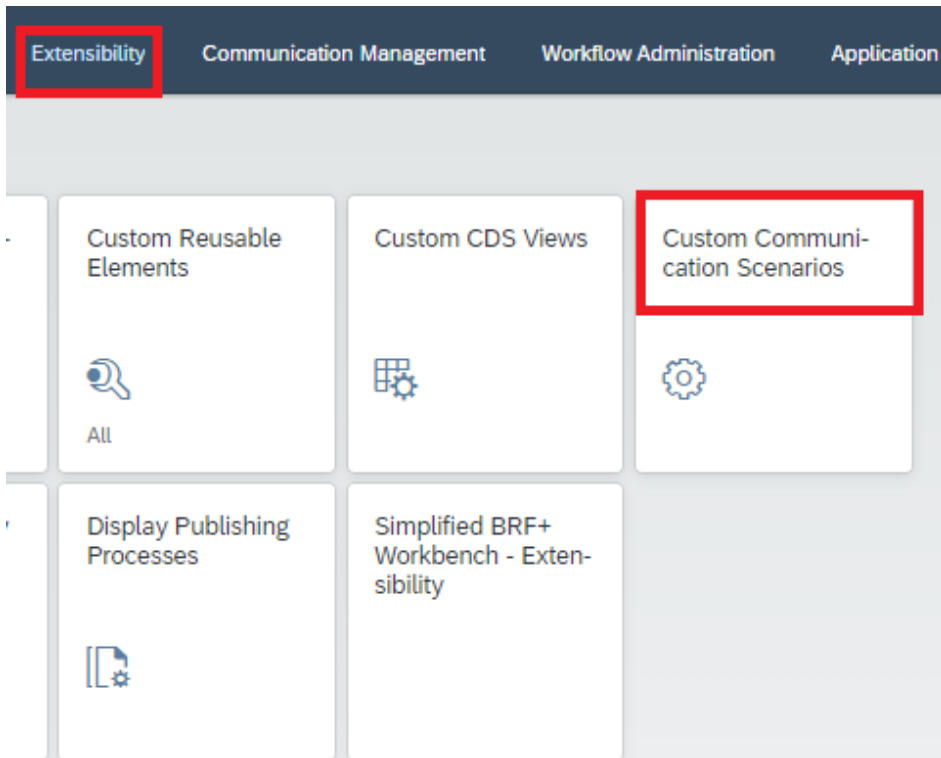
| Elements (28) | | | | | Search | |
|--------------------------|----------------------------------|---------------------------|-------------|--|-------------------------|-------------|
| <input type="checkbox"/> | Key | Alias | Type | Path | Label | Calculation |
| <input type="checkbox"/> | <input checked="" type="radio"/> | InspectionLot | NUMC (12) | I_InspectionLot.InspectionLot | Inspection Lot | |
| <input type="checkbox"/> | <input type="radio"/> | Material | CHAR (40) | I_InspectionLot.Material | Material | |
| <input type="checkbox"/> | <input type="radio"/> | Plant | CHAR (4) | I_InspectionLot.Plant | Plant | |
| <input type="checkbox"/> | <input type="radio"/> | Batch | CHAR (10) | I_InspectionLot.Batch | Batch | |
| <input type="checkbox"/> | <input type="radio"/> | InspectionLotChangedBy | CHAR (12) | I_InspectionLot.InspectionLotChangedBy | Changed By | |
| <input type="checkbox"/> | <input type="radio"/> | InspectionLotChangeD... | DATS (8) | I_InspectionLot.InspectionLotChangeDate | Changed On | |
| <input type="checkbox"/> | <input type="radio"/> | InspectionLotUsageDe... | CHAR (4) | I_InspectionLot._InspLotUsageDecision.InspectionLotUsageDecisionCode | Usage Decision Code | |
| <input type="checkbox"/> | <input type="radio"/> | CreationDate | DATS (8) | I_InspectionLot._InspLotSelectionSupplier.CreationDate | Created on | |
| <input type="checkbox"/> | <input type="radio"/> | ChangedDateTime | DEC (15,0) | I_InspectionLot.ChangedDateTime | Short Time Stamp | |
| <input type="checkbox"/> | <input type="radio"/> | InspectionLotQuantityU... | UNIT (3) | I_InspectionLot.InspectionLotQuantityUnit | Base Unit of Measure | |
| <input type="checkbox"/> | <input type="radio"/> | InspectionLotQuantity | QUAN (13,3) | I_InspectionLot.InspectionLotQuantity | Inspection Lot Quantity | |
| <input type="checkbox"/> | <input type="radio"/> | InspLotUsageDecisionV... | CHAR (1) | I_InspectionLot._InspLotUsageDecision.InspLotUsageDecisionValuation | Code Valuation | |
| <input type="checkbox"/> | <input type="radio"/> | Supplier | CHAR (10) | I_InspectionLot.Supplier | Supplier | |

| Elements (28) | | | | | Search | | |
|--------------------------|-----------------------|------------------------------|-------------|--|---------------------------------------|-------------|--------|
| <input type="checkbox"/> | Key | Alias | Type | Path | Label | Calculation | Status |
| <input type="checkbox"/> | <input type="radio"/> | Supplier | CHAR (10) | I_InspectionLot.Supplier | Supplier | | |
| <input type="checkbox"/> | <input type="radio"/> | PurchasingDocument | CHAR (10) | I_InspectionLot.PurchasingDocument | Purchasing Document | | |
| <input type="checkbox"/> | <input type="radio"/> | PurchasingDocumentItem | NUMC (5) | I_InspectionLot.PurchasingDocumentItem | Purchasing Document Item | | |
| <input type="checkbox"/> | <input type="radio"/> | InspectionResultStatus | CHAR (1) | _IInspSubsetResult.InspectionResultStatus | Status | | |
| <input type="checkbox"/> | <input type="radio"/> | CompanyCode | CHAR (4) | I_InspectionLot.CompanyCode | Company Code | | |
| <input type="checkbox"/> | <input type="radio"/> | Warehouse | CHAR (3) | I_InspectionLot.Warehouse | Warehouse Number | | |
| <input type="checkbox"/> | <input type="radio"/> | PurchasingOrganization | CHAR (4) | I_InspectionLot.PurchasingOrganization | Purchasing Organization | | |
| <input type="checkbox"/> | <input type="radio"/> | InspLotQtyToBlocked | QUAN (13,3) | I_InspectionLot.InspLotQtyToBlocked | Blocked Stock | | |
| <input type="checkbox"/> | <input type="radio"/> | MaterialDocument | CHAR (10) | I_InspectionLot.MaterialDocument | Material Document | | |
| <input type="checkbox"/> | <input type="radio"/> | MaterialDocumentItem | NUMC (4) | I_InspectionLot.MaterialDocumentItem | Material Document Item | | |
| <input type="checkbox"/> | <input type="radio"/> | MaterialDocumentYear | NUMC (4) | I_InspectionLot.MaterialDocumentYear | Material Document Year | | |
| <input type="checkbox"/> | <input type="radio"/> | CompanyCode_PO | CHAR (4) | _I_PurchaseOrderAPI01.CompanyCode | Company Code | | |
| <input type="checkbox"/> | <input type="radio"/> | ProductDescription | CHAR (40) | _I_ProductDescription.ProductDescription | Product Description | | |
| <input type="checkbox"/> | <input type="radio"/> | PlantName | CHAR (30) | _I_Plant.PlantName | Plant Name | | |
| <input type="checkbox"/> | <input type="radio"/> | InspectionLotStorageLocation | CHAR (4) | I_InspectionLot.InspectionLotStorageLocation | Storage Loc. for Inspection Lot Stock | | |
| <input type="checkbox"/> | <input type="radio"/> | SupplierName | CHAR (80) | _I_Supplier.SupplierName | Name of Supplier | | |

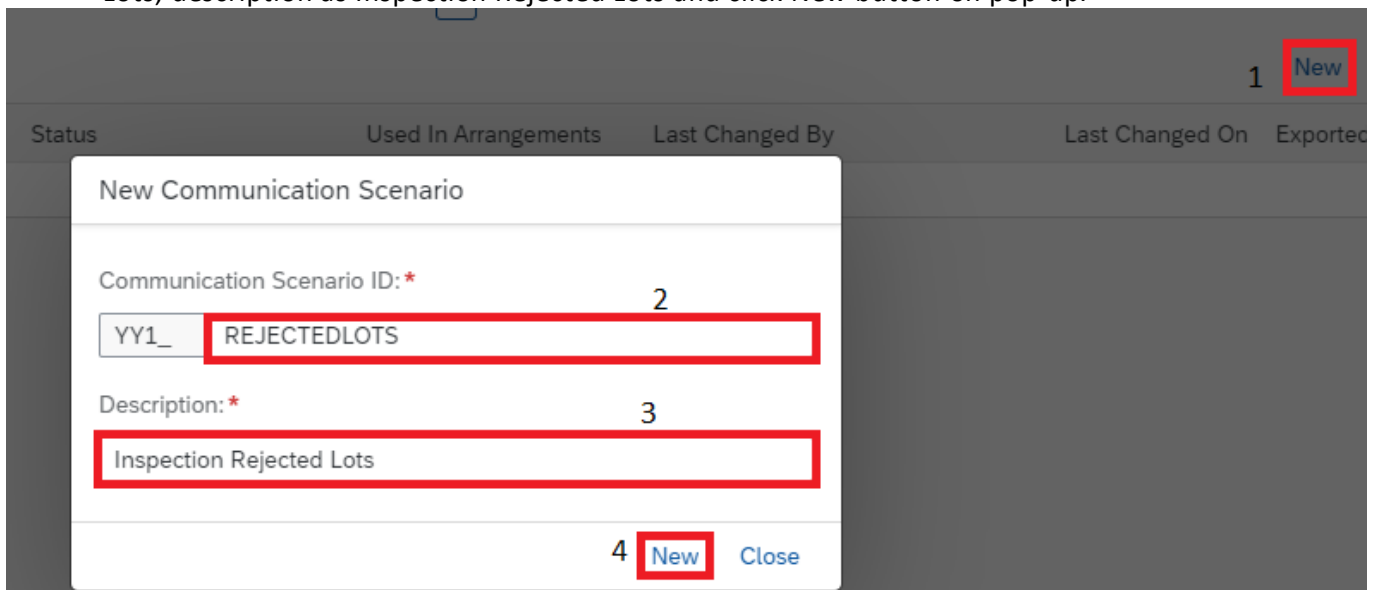
9. Click on Publish button present on Footer.

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 opens pop-up window. Provide communication scenario ID as Rejected Lots, description as Inspection Rejected Lots and click New button on pop-up.



4. Click on Add button in Inbound services , select required CDS from Add services pop-up and click on OK button.

SAP Custom Communication Scenarios

Inspection Rejected Lots
YY1_REJECTEDLOTS

Check Create Arrangement Open with Extensibility Inventory Display Publishing Process

Last Changed By: Status
Last Changed On: Not Published
Exported: No

Inbound Services (0) Outbound Services (0) Communication Arrangements (0)

Inbound Services

Search Add

| <input type="checkbox"/> | Inbound ID | Description | Type | Last Changed On | Last |
|--------------------------|------------|-------------|------|-----------------|------|
| No data | | | | | |

Select CDS Views as mentioned below:
YY1_REJECTEDINSPECTION_CDS

SAP Custom Communication Scenarios

Inspection Rejected Lot
YY1_REJECTEDLOTS

Check Create Arrangement

Last Changed By: Status
Last Changed On:
Exported: No

Inbound Services (1) Outbound Services (0) Communication Arrangements (1)

Inbound Services (1)

| <input type="checkbox"/> | Inbound ID | Description |
|--------------------------|----------------------------|--------------------|
| <input type="checkbox"/> | YY1_REJECTEDINSPECTION_CDS | RejectedInspection |

- Click on Publish button present on Footer, it will enable the Create Arrangement button after successful publish.
- 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_RejectedLots , Arrangement name as RejectionLots and click on Create button.

New Communication Arrangement

Scenario: *

YY1_REJECTEDLOTS

Arrangement Name:

YY1_REJECTIONLOTS

Create Cancel

- Enter Communication system and Username created in SAP S/4HANA system. Refer here to know how to create [Communication user](#) and [Communication System](#)


SAP Communication Arrangement ▾

YY1_REJECTIONLOTS


Scenario ID: [YY1_REJECTEDLOTS](#) Draft Last Changed By: Editing Status: Draft
Scenario: Inspection Rejected Lot Draft Last Changed On: 21.12.2021, 18:35:20

Common Data

Arrangement Name: Own System:

Communication System: *  New API-URL:

Inbound Communication [Supported Authentication Methods](#)

User Name: *  Authentication Method:

8. Save the Communication Arrangement and status should change to Active.
For more details, refer here how to create [Communication Arrangement](#)