



PUBLIC

How to Configure MDG Change Request Analytics using Master Data Attributes

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From SAP S/4HANA 2020

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October 2024

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1.1	Adapt template (October 2024)

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1. Introduction

SAP Master Data Governance (MDG) provides business processes to find, create, change, and mark master data for deletion. It supports the governance of master data in a central hub and the distribution to connected operational and business intelligence systems.

The processes are workflow-driven and can include several approval and revision phases, and the collaboration of all users participating in the master data maintenance.

MDG offers change request (CR)-based processing of master data with integrated workflow, staging, approval, activation, and distribution.

In SAP MDG on SAP S/4HANA 2020, a new process analytics function is available: change request analytics by master data attributes. With it, you can provide analytics capability to your users, such as how many open change requests are ongoing for a certain type of product.

This function supports all MDG delivered data models, as well as custom data models. This document guides you through how to configure and use this function. This guide contains two parts:

- Backend: Configure and Generate CDS views
- UI: Configure Smart Business Apps or SAP Analytics Cloud Story

This document is designed for SAP MDG consultants, partners, and key users of SAP MDG solutions.

2. Configure and Generate CDS Views

We use Core Data Services (CDS) views as main technology to provide data source for upper UI layer. We need to configure and generate the CDS views first, which will read the data from your MDG database and active area database tables.

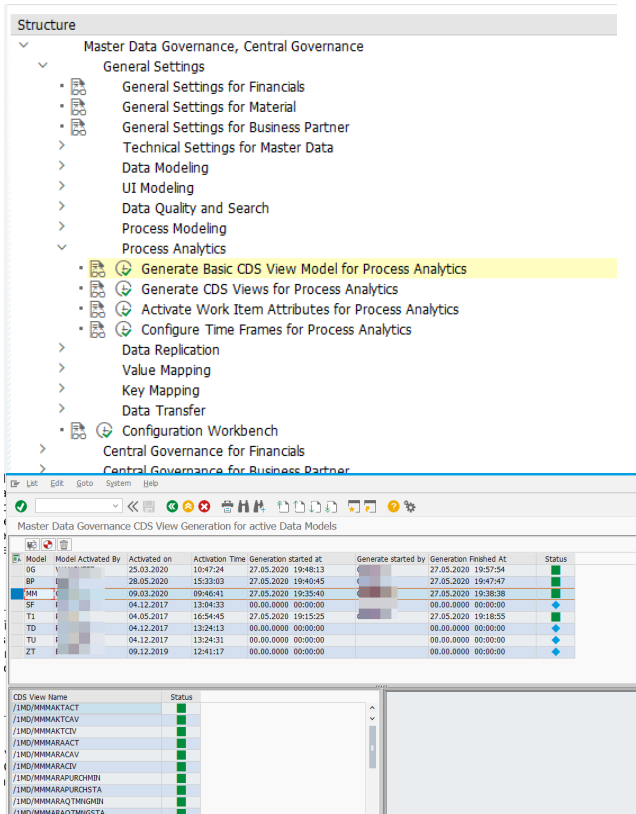
Before we create analytics CDS views, you need to generate basic CDS views for the data model.

2.1. Generate Basic CDS Views

Go to transaction MDGIMG, *Process Analytics* → *Generate Basic CDS Views for Process Analytics*.

This may take several minutes. You can see the details by clicking the **Details** button.

Important: If you have added new attributes to the data model after basic CDS views generation, please regenerate the Basic CDS view again!



2.2. Generate Analytics CDS Views

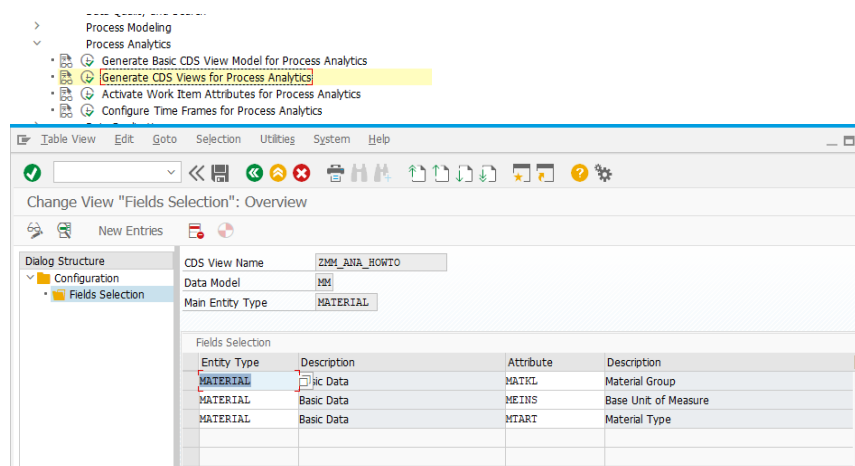
Go to transaction MDGIMG, *Process Analytics* → *Generate CDS Views for Process Analytics*.

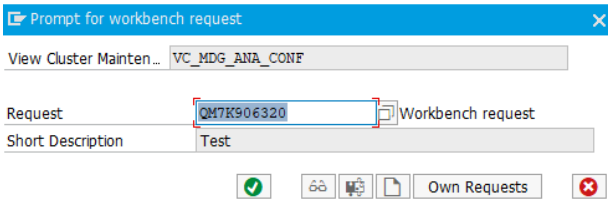
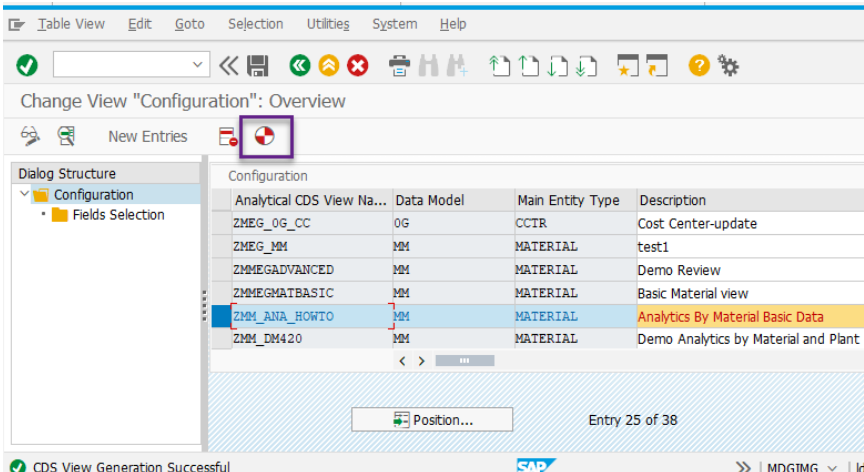
Choose a name, a data model, and main entity type for your data analytics query.

Enter a local package to store the generated CDS views.

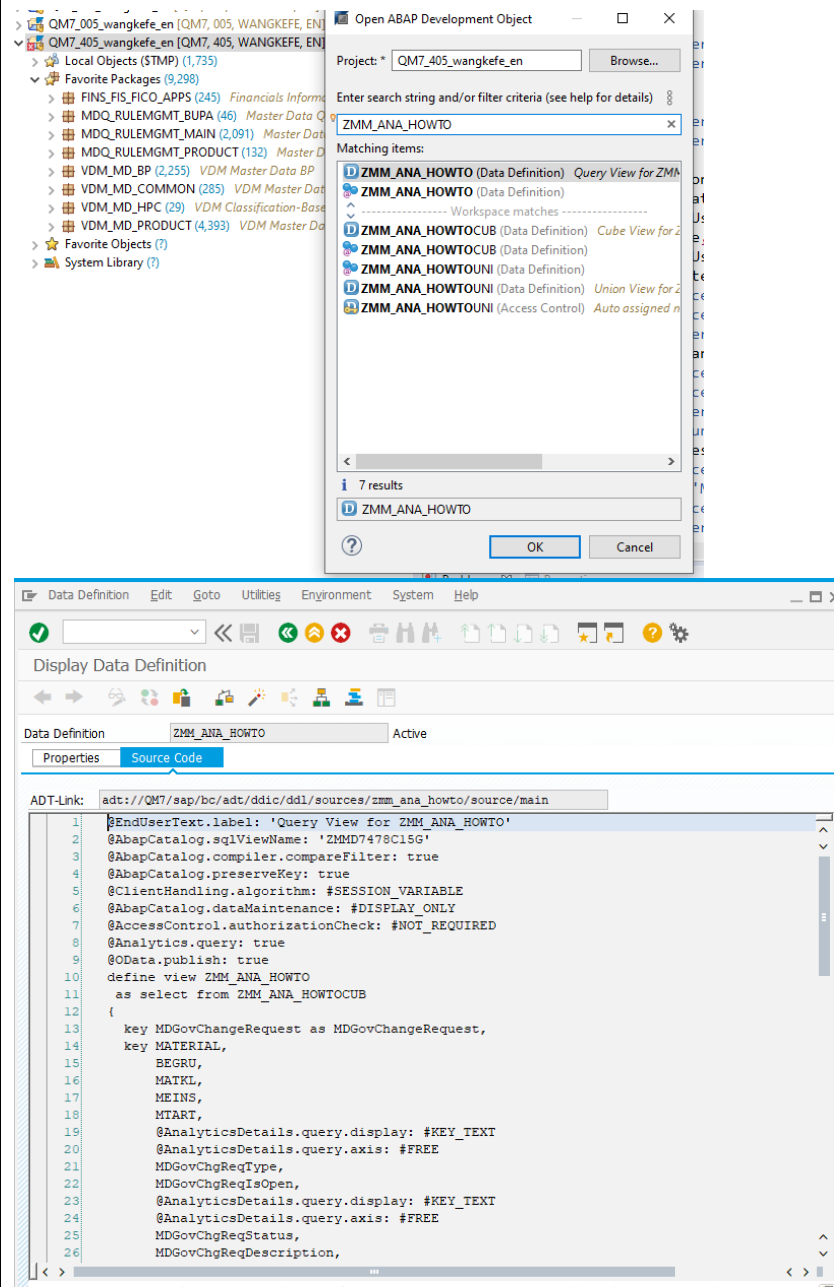
Choose attribute in Field Selection, which can be used to drill down the master data (e.g. Product, Business Partner, G/L Account etc.) to further analyze the change request.

In the analytics report, it shows always the final value of the master data, no matter which



<p>intermedia values have been processed by change request.</p> <p>You can choose from any type 1 or type 4 entities belonging to the main entity type.</p> <p>Reducing the number of attributes and entity types under one analytics CDS view may increase performance. As a general recommendation, use only 1 or 2 entity types, and less than 10 attributes.</p>																													
<p>Save your configuration first, then select the transport request which you need to transport the Customizing into the downstream system.</p>																													
<p>Select your created CDS view configuration and generate.</p> <p>Regardless of whether you're using a Dev, Test or Production system, the MDG data model must be activated individually. Therefore, your configured CDS view also needs to be individually generated in each system.</p>	 <table><tr><th>Analytical CDS View Na...</th><th>Data Model</th><th>Main Entity Type</th><th>Description</th></tr><tr><td>ZMEG_OG_CC</td><td>OG</td><td>CCTR</td><td>Cost Center-update</td></tr><tr><td>ZMEG_MM</td><td>MM</td><td>MATERIAL</td><td>test1</td></tr><tr><td>ZMMEGADVANCED</td><td>MM</td><td>MATERIAL</td><td>Demo Review</td></tr><tr><td>ZMMEGMATBASIC</td><td>MM</td><td>MATERIAL</td><td>Basic Material view</td></tr><tr><td>ZMM_ANA_HOWTO</td><td>MM</td><td>MATERIAL</td><td>Analytics By Material Basic Data</td></tr><tr><td>ZMM_DM420</td><td>MM</td><td>MATERIAL</td><td>Demo Analytics by Material and Plant</td></tr></table>	Analytical CDS View Na...	Data Model	Main Entity Type	Description	ZMEG_OG_CC	OG	CCTR	Cost Center-update	ZMEG_MM	MM	MATERIAL	test1	ZMMEGADVANCED	MM	MATERIAL	Demo Review	ZMMEGMATBASIC	MM	MATERIAL	Basic Material view	ZMM_ANA_HOWTO	MM	MATERIAL	Analytics By Material Basic Data	ZMM_DM420	MM	MATERIAL	Demo Analytics by Material and Plant
Analytical CDS View Na...	Data Model	Main Entity Type	Description																										
ZMEG_OG_CC	OG	CCTR	Cost Center-update																										
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ZMM_ANA_HOWTO	MM	MATERIAL	Analytics By Material Basic Data																										
ZMM_DM420	MM	MATERIAL	Demo Analytics by Material and Plant																										

Once you get the success message, you should be able to check the CDS view in ABAP Development Tool or SE11.



3. Configure Analytics Fiori Apps in SAP S/4HANA for Your End User

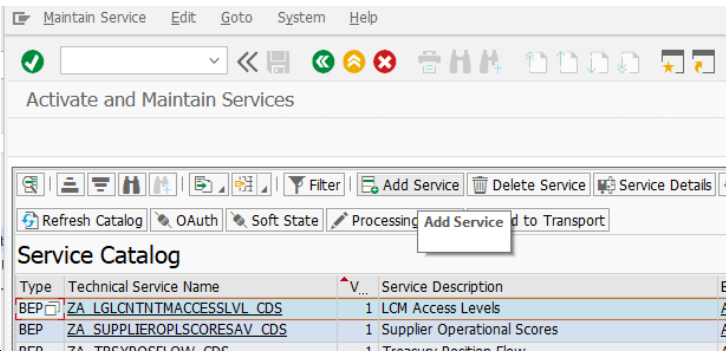
In your SAP S/4HANA system, you can create an analytics app for your end user with the analytics tool **Manage KPIs and Reports** (you need business **role** SAP_BR_ANALYTICS_SPECIALIST assigned).

If you have separated Fiori Gateway system additionally, you need to configure following steps in your Fiori Gateway system.

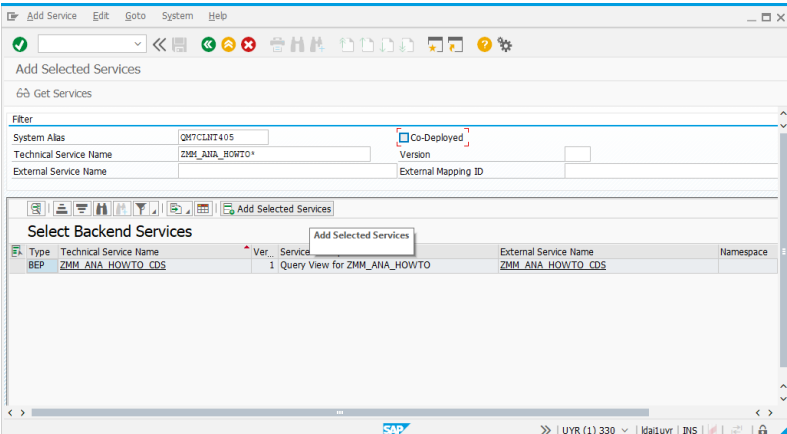
3.1. Preparation: Activate the CDS View oData Service

For Smart Business configuration, you first need to activate the oData service in the transaction `/n/IWFND/MAINT_SERVICE`.

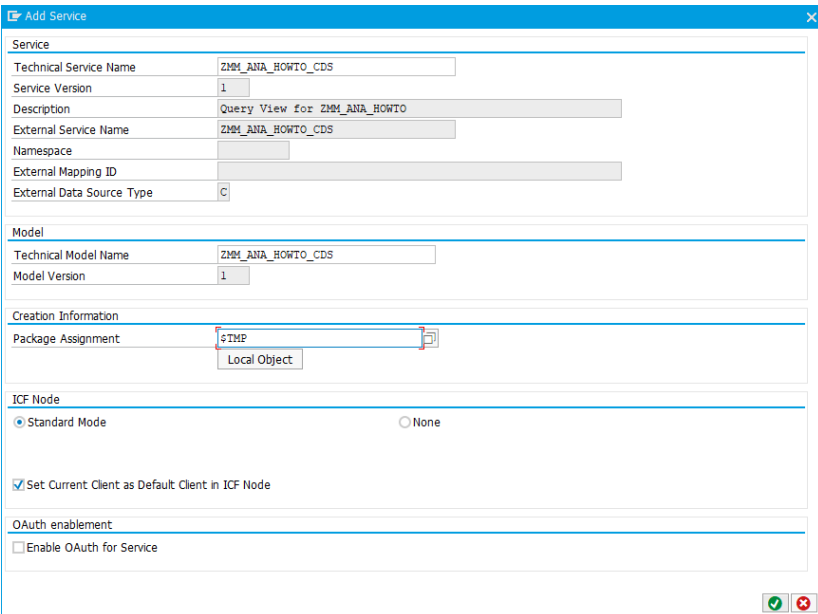
Select Add Service.




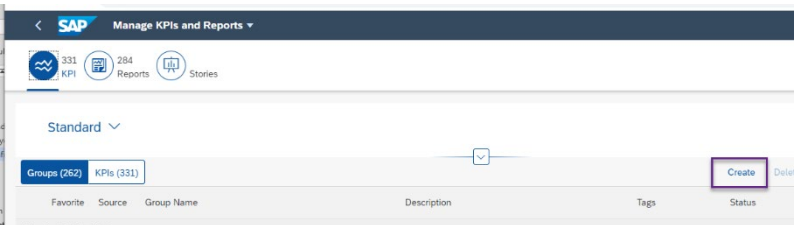
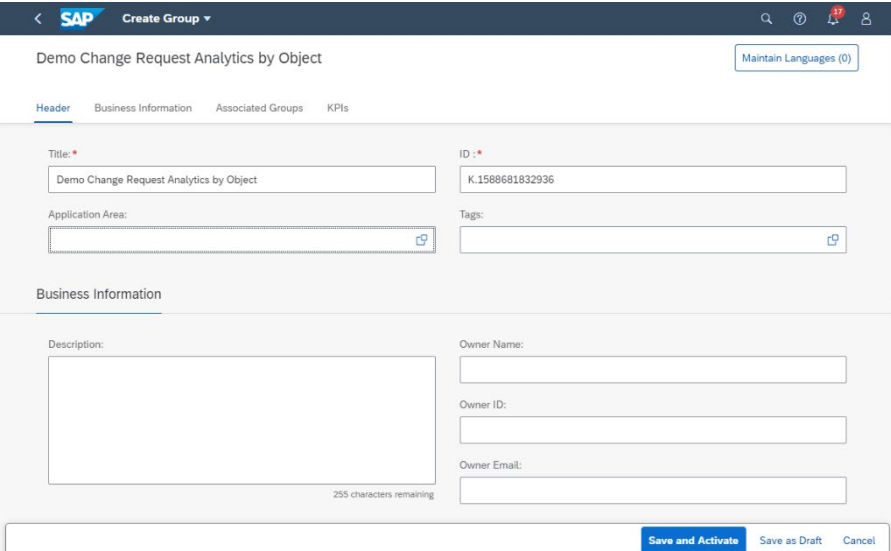
Enter your system alias and your CDS view name (with the suffix *) to search your CDS view oData service.



Add the service into your desired package.



3.2. Step 1: Create KPI

<p>To get the KPI Design app in your Fiori launchpad, ensure you have assigned PFCG role SAP_BR_ANALYTICS_SPE C in your Fiori system.</p>	 The image shows the 'KPI Design' app tile in the Fiori launchpad. It has a light blue header with the text 'KPI Design'. Below it is a white box with the text 'Manage KPIs and Reports' and a small circular icon with a blue arrow.
<p>Create a new group or use an existing group if you have one already.</p> <p>Note: you can put different KPIs into one group.</p>	 The image is a screenshot of the 'Manage KPIs and Reports' app. It shows a top navigation bar with 'SAP' and 'Manage KPIs and Reports'. Below it are tabs for 'KPIs' (331), 'Reports' (284), and 'Stories'. A 'Standard' dropdown menu is visible. At the bottom, there are buttons for 'Groups (262)', 'KPIs (331)', and a 'Create' button which is highlighted with a red rectangle. Other buttons like 'Delete', 'Favorite', 'Source', 'Group Name', 'Description', 'Tags', and 'Status' are also visible.
<p>Enter a name, then choose Save and Activate.</p>	 The image is a screenshot of the 'Create Group' app. It shows a top navigation bar with 'SAP' and 'Create Group'. Below it is a header section with 'Demo Change Request Analytics by Object' and a 'Maintain Languages (0)' button. There are tabs for 'Header', 'Business Information', 'Associated Groups', and 'KPIs'. The 'Header' tab is active, showing fields for 'Title' (filled with 'Demo Change Request Analytics by Object'), 'ID' (filled with 'K_1588681832936'), 'Application Area', and 'Tags'. Below this is the 'Business Information' section with a 'Description' field (with a '255 characters remaining' indicator), 'Owner Name', 'Owner ID', and 'Owner Email' fields. At the bottom, there are buttons for 'Save and Activate', 'Save as Draft', and 'Cancel'.

Add a new KPI.

Provide a name, for example *Analyze Open CR by Mat. Attr.*

Group Details

Demo Change Request Analytics by Object

Business Information Associated Groups KPIs

Group Association Type Direction Associated Group Actions

No Associated Groups available

KPIs

Items (0)

Title Status Description Tags Last Changed By

No KPIs available

Add

Analyze Open CR by Mat. Attr.

Group: Demo Change Request Analytics by Object

Definition Visualize

Header

Title:

Analyze Open CR by Mat. Attr.

ID:

E.1588683388781

Tags:

Business Information

Define Data Source:

Search your CDS view and select it. The three mandatory fields will then be filled automatically.

Create KPI

Select Data Source

Select CDS View Select OData Service

ZMM_ANA_HOWTO

Views

View Name	Description
ZMM_ANA_HOWTO	Query View for ZMM_ANA_HOWTO

Details

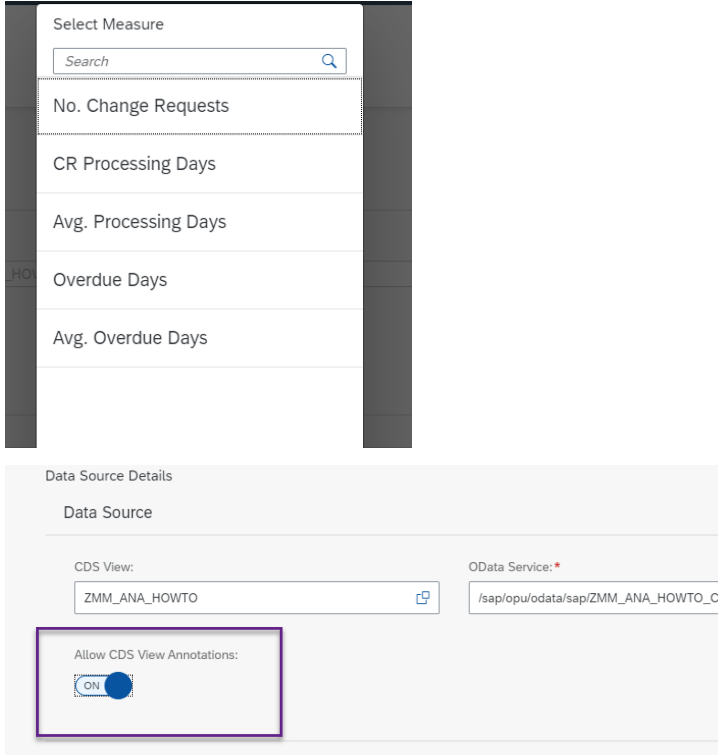
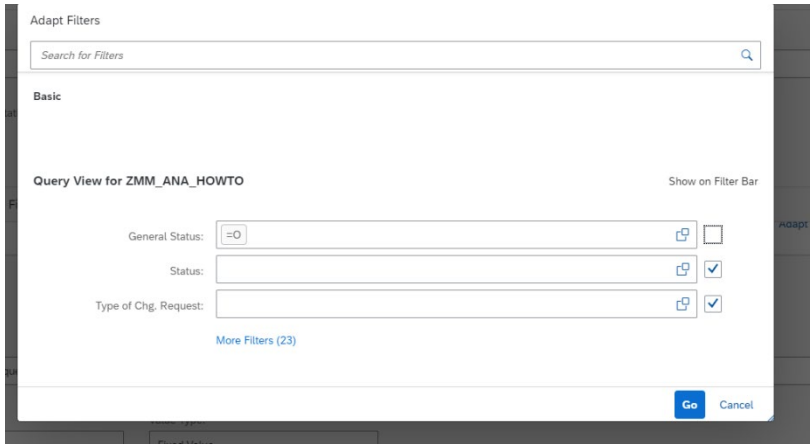
CDS View: ZMM_ANA_HOWTO

OData Service: /sap/opu/odata/sap/ZMM_ANA_HOWTO_CDS

Entity Set: ZMM_ANA_HOWTO

OK Cancel

Save and Activate Save as Draft Cancel

<p>Select a Value Measure. The following three measures are provided:</p> <ul style="list-style-type: none"> • Number of Change Requests • Total Change Request Processing Days • Change Request Average Processing Days • Change Request Total Overdue Days • Change Request Average Overdue Days <p>You need to select one for now, but you can use all three measures in your report (see Step 2).</p> <p>Set the Allow CDS View Annotation flag to on.</p>	
<p>You can define the default filter for the app, so that only certain data will be displayed.</p> <p>For example, if your report is used for open change request analysis, the General Status filter can be used with default value 'O'.</p> <p>!!! For better performance, it is strongly recommended to use the Change Request General Status or Change Request Status to set dedicated analytics scenario either Open Change Request or Completed Change Requests!!!</p>	
<p>Save the KPI.</p> <p>Select the transport and package which you want to</p>	

transport to downstream systems.

The screenshot shows a modal dialog box titled "Add to Transport" in the center. It contains two input fields: "Workbench Request:" with a dropdown arrow and "Package Details:" with a text input field. Below these fields are "OK" and "Cancel" buttons. The background is a blurred view of the SAP Fiori KPI configuration page, showing sections like "Value Measure", "Goal Type", "Thresholds", and "Alerts".

3.3. Step 2: Create Report

Select Create Report -> Generic Drilldown.

The screenshot shows the "KPI Details" page in SAP Fiori. At the top, there's a header with "SAP KPI Details" and a search icon. Below it, the KPI name "Analyze Open CR by Mat. Attr." is displayed. To the right of the KPI name are buttons: "Edit", "Create Report" (highlighted with a red box), "Maintain Languages (2)", "Copy", and "Delete". Below the KPI name, there's a "Group" field with "Demo Change Request Analytics by Object" and an "Active" status. There's also a "Tags" field with "ID : E.1588683388781". At the bottom, there are tabs for "Definition" and "Visualize".

Enter a Title.

The screenshot shows the configuration page for the report "Open Change Request Analytics by Material". The title "Open Change Request Analytics by Material" is entered in the "Title" field. The subtitle "Analyze Change Request by Material Attr." is entered in the "Subtitle" field. The "Tags" field is empty. Below the title and subtitle fields, there's a "Business Information" section with a "Description" field. The "Configuration" tab is selected, and the "Applications" tab is also visible.

Select Configuration.

Select additional default filters for the app, such as Change Request Status and Change Request Type.

The screenshot shows the "Edit Report" page in SAP Fiori. The title "Open Change Request Analytics by Material" is displayed. Below it, the KPI name "Analyze Open CR by Mat. Attr." and the type "Generic Drilldown" are shown. The "Configuration" tab is selected, and the "Applications" tab is also visible. In the "KPI Value" section, the "Display aggregated value in Report" checkbox is checked. In the "Input Parameters and Filters" section, the "Change Request General Status" field is set to "=0". Below it, there are two filter fields: "Change Request Status Code" and "Change Request Type Code", both with a dropdown arrow. At the bottom, there's a "Mini Tiles" section.

e.g.

Charts and Tables

Add View

Navigation Intents

Add View

View Title: *

Change Requests for Product drill-down by Product Type

Maintain Languages (0)

View Type:

☒ Chart

☐ Table

Add

Cancel

Open Change Request Analytics by Material

Definition

Charts and Dashboards

View Settings

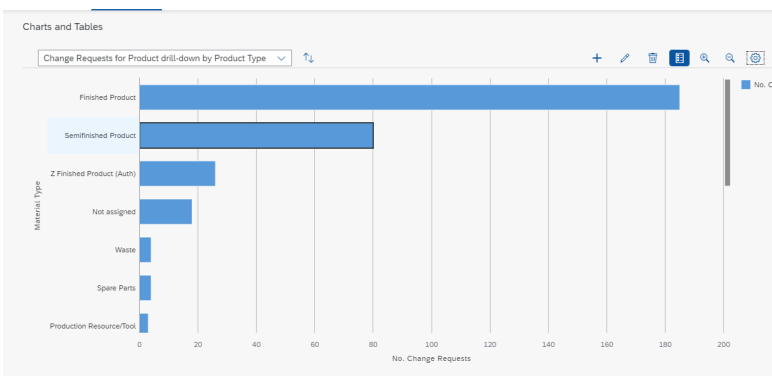
Chart	Sort	
Bar Chart	Search	Show Selected
<input type="checkbox"/> Select All (2/29)	Type	Role
<input checked="" type="checkbox"/> Number of Change Requests	Measure	Axis 1
<input checked="" type="checkbox"/> Material Type	Dimension	Category
<input type="checkbox"/> Authorization Group	Dimension	Category
<input type="checkbox"/> Base Unit of Measure	Dimension	Category
<input type="checkbox"/> Change Request	Dimension	Category
<input type="checkbox"/> Change Request Average Processing Days	Measure	Axis 1
<input type="checkbox"/> Change Request Changed By	Dimension	Category
<input type="checkbox"/> Change Request Changed On	Dimension	Category
<input type="checkbox"/> Change Request Created By	Dimension	Category
<input type="checkbox"/> Change Request Created On	Dimension	Category
<input type="checkbox"/> Change Request Data Is Activated	Dimension	Category
<input type="checkbox"/> Change Request Days Overdue	Dimension	Category

OK Cancel Restore

View Settings

Chart	Sort
Number of Change Requests	Descending

Activate the report.



Add another view to list the selected change request, in this case View Type: Table.

Configure the fields you want to display in the list

Add View

View Title: *

Change Request List

Maintain Languages (0)

View ID: *

V.1588694058716

View Type:

☐ Chart

☒ Table

Add

Cancel

View Settings

Columns

Search

☐ Select All (7/29)

☒ Change Request

☒ Change Request Description

☒ Change Request Status Code

☒ Change Request Type Code

☒ Material

☒ Material Group

☒ Material Type

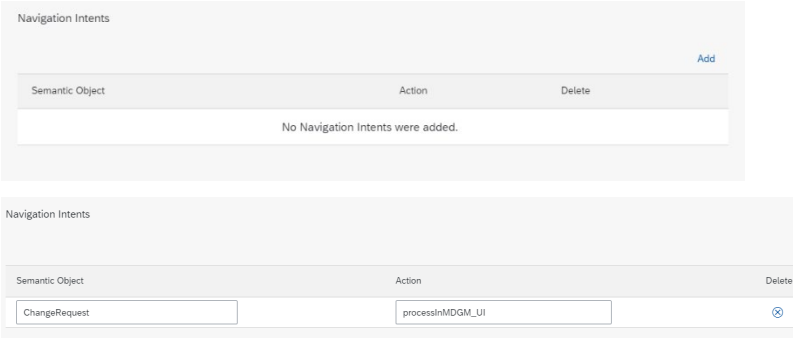
☐ Authorization Group

☐ Base Unit of Measure

Charts and Tables

Change Request List

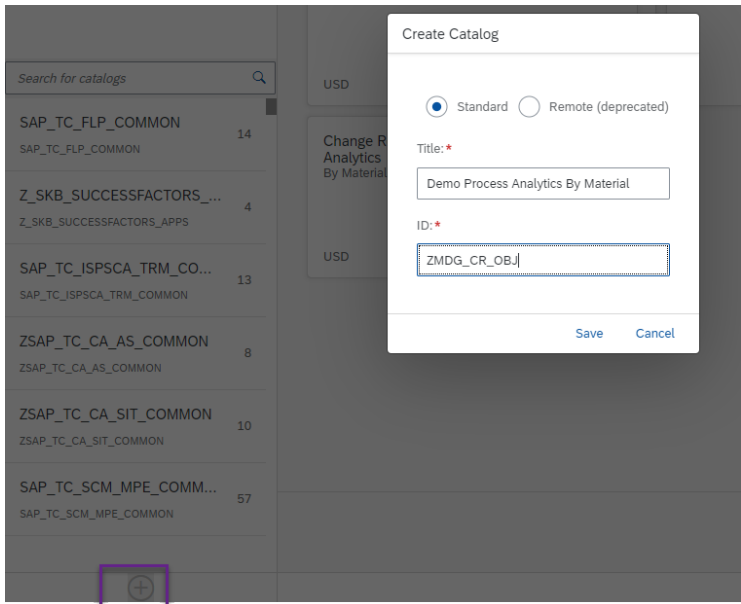
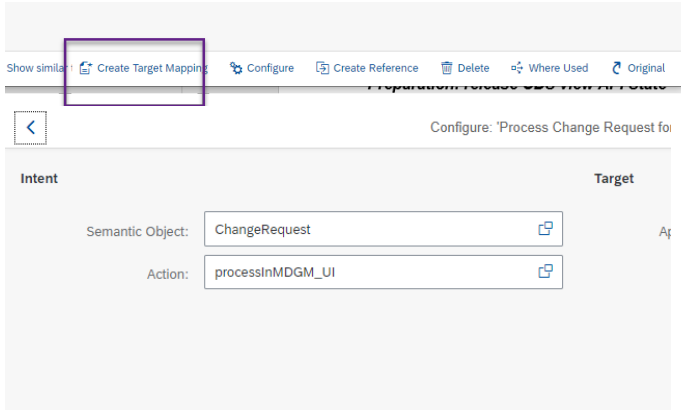
Change Request	Change Request Description	Change Request Status Code	Change Request Type Code	Material	Material
344	ALS200117: Copy Material	Changes to Be Executed	Create Material (MAT01)	ALSPS6VDC	
9517	Change MAT02 Material 2082 by Yulia Kasperska, 20.03.2019	Changes to Be Executed	Process Material (MAT02)	2082	
8248	Complete Bike	Changes to Be Executed	Process Material (MAT02)	IBTEST	01
10019	Create Material P-4000	Changes to Be Executed	Process Material w. Lean Classification (MATL02)	P-4000	EM
10236	Create Material P-6000	Changes to Be Executed	Process Material w. Lean Classification (MATL02)	P-6000	EM
9902	Created Using MDG Initial Load	Changes to Be Executed	Import Material w. Lean Classification (MATL0B)	1792	
4888	ZFK LEAN BAT	

<p>Add Navigation:</p> <p>Sematic Object: ChangeRequest</p> <p>Action: <your custom action></p> <p>Note: the navigation needs to be created as target mapping in your catalog (see Step 3).</p>	
--	--

3.4. Step 3: Create Fiori Catalog

To be able to provide your apps to the end user, a catalog needs to be created if you don't have one yet.

In your Fiori system, open transaction /n/UI2/FLPD_CUST.

<p>Create a new catalog. If you have one already, you can skip this step.</p>	
<p>Create Target Mapping:</p> <p>Sematic Object: ChangeRequest</p> <p>Action: <your custom action></p> <p>(This should be the same one you defined in Report Navigation Intent in Step 2).</p> <p>Application Type: Webdynpro</p> <p>System Alias: S4MDG</p> <p>Application and Configuration: As MDG apps for different domains could be different, check your</p>	

MDG UI configuration to get the right one.

Target

Application Type: Web Dynpro

Title: Process Change Request for Product

Application: mdg_bs_mat_ovp

Configuration: BS_MAT_OVP_09H

System Alias: S4MDG

Add the navigation parameter:
MDGovChangeRequest
(mandatory)

Target name: CREQUEST

System Alias: S4MDG

General

Information:

Device Types: ☒ Desktop ☒ Tablet ☒ Phone

Parameters	Name	Mandatory	Value	Is Regular Expression	Default Value	Target Name
<input checked="" type="checkbox"/>	MDGovChangeRequest	<input checked="" type="checkbox"/>		<input type="checkbox"/>		CREQUEST
<input checked="" type="checkbox"/>						
<input checked="" type="checkbox"/>						
<input checked="" type="checkbox"/>						

☒ Allow additional parameters

Add Remove

3.5. Step 4: Create App and Assign it to the Catalog

You can use the report you created in Step 2 to create an application.

Open your report.

Select Add Tile.

Select a tile format and
choose OK.

Open Change Request Analytics by Material

Analyze Change Request by Material Attr.

KPI Source: [Analyze Open CR by Mat. Attr.](#) Type: Generic Drilldown

Tags:

Definition Configuration Applications

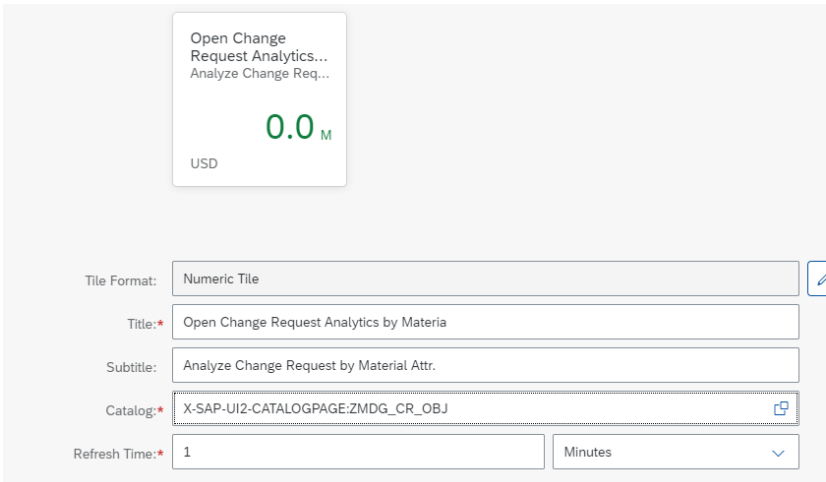
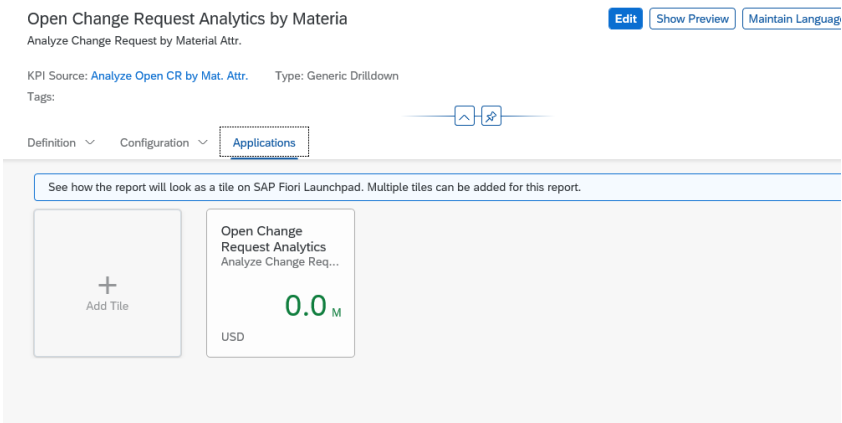
See how the report will look as a tile on SAP Fiori Launchpad. Multiple tiles can be added for this report.

+
Add Tile

Select Tile Format

Title	SubTitle
Blank Tile	
Numeric Tile	0.0 M USD
Actual vs. Target Tile	312M 150M
Comparison - Multiple Measures Tile	Measure 1: 34M Measure 2: 125M Measure 3: 87M

OK Cancel

<p>Select the catalog you created in Step 3.</p>	
<p>Save the application.</p>	

3.6. Step 5: Create Fiori Group and PFCG Role and Assign it to End User

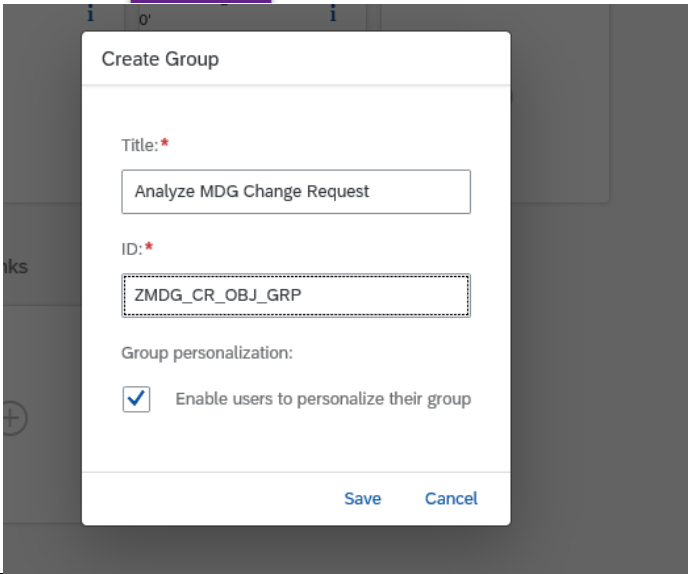
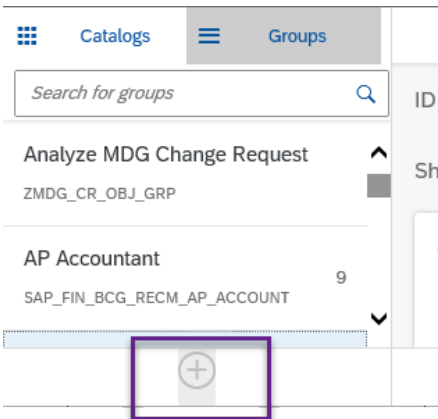
To be able to provide your apps to the end user, you must assign a catalog to a group and assign the catalog and group into a PFCG role.

The PFCG role can then be assigned to your end user, so that your end user will get the app in her/his Fiori launchpad.

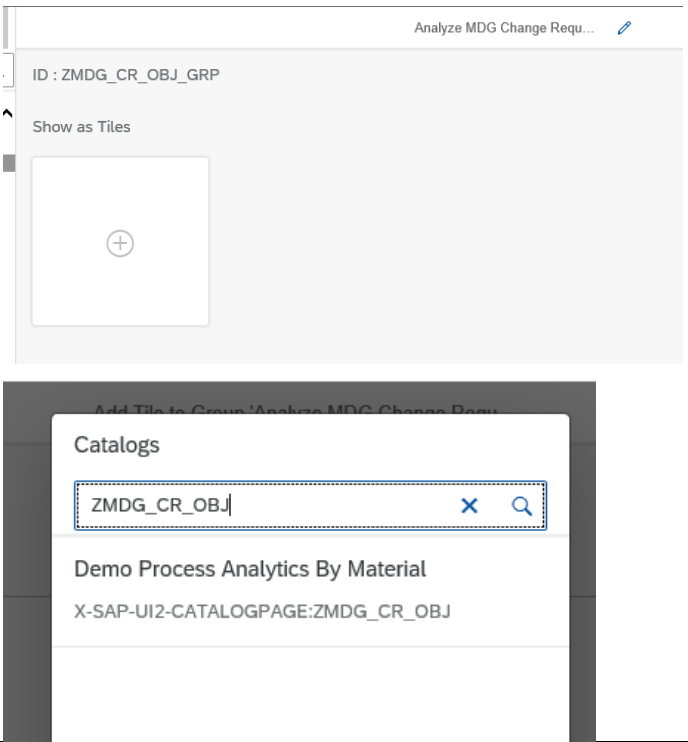
In your Fiori system, open transaction `/n/UI2/FLPD_CUST`.

Create a group.

Enter a title and ID, enable or disable group personalization, and save.



Add a new tile from the catalog.



<

› Process Analytics By Material

Demo Process Analytics By Material

Open Change Request Analytics
Analyze Change Req...

0.0_M

USD

✓

CatalogsGroups

mdg_cr

Demo: Analyze MDG Change R...
ZMDG_CR_OBJ_GRP1

Test MDG Process Analytics by ...
ZMDG_CR_OBJ_TEST_GRP2

ID : ZMDG_CR_OBJ_GRP

Show as Tiles

Open Change Request Analytics...
Analyze Change Req...

0.0_M

USD

+

Show as Links

You may need to enter the transport request in the Fiori Launchpad designer, so that your catalog content can be transported to downstream systems.

CatalogsGroups

mdg_cr

Demo: Analyze MDG Change R...
ZMDG_CR_OBJ_GRP2

MDG Process Analytics by ...
ZMDG_CR_OBJ_TEST_GRP2

ID : ZMDG_CR_OBJ_GRP

Show as Tiles

Open Change Request Analytics...
Analyze Change Req...

0.0_M

USD

+

Show as Links

+

Assign Transport Request

☐ None (Local Object)

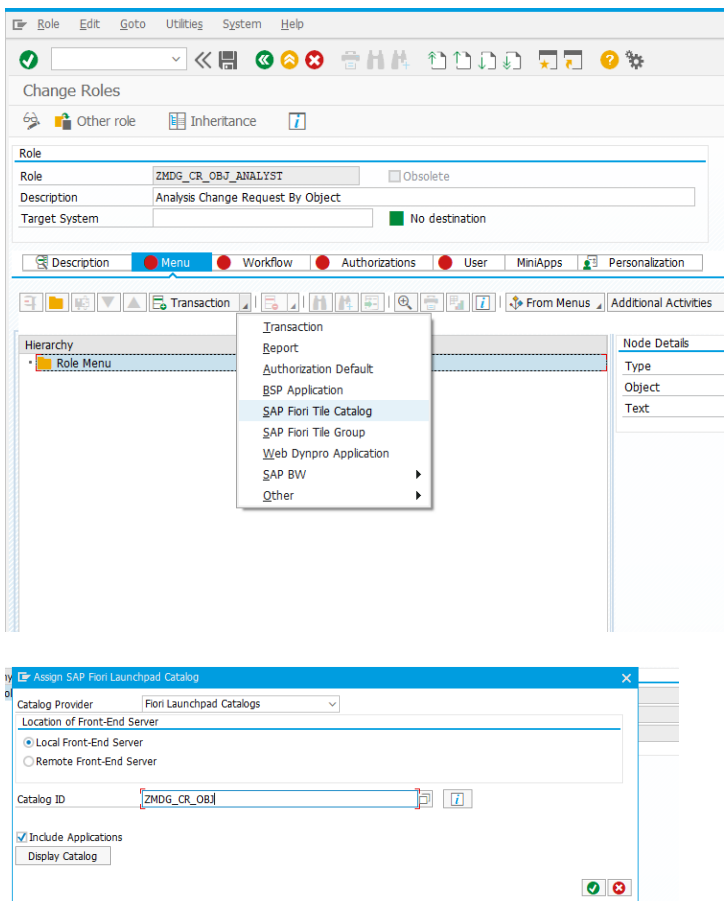
Customizing Requi... *

UYRK900304 - Fiori Launchpad Co...

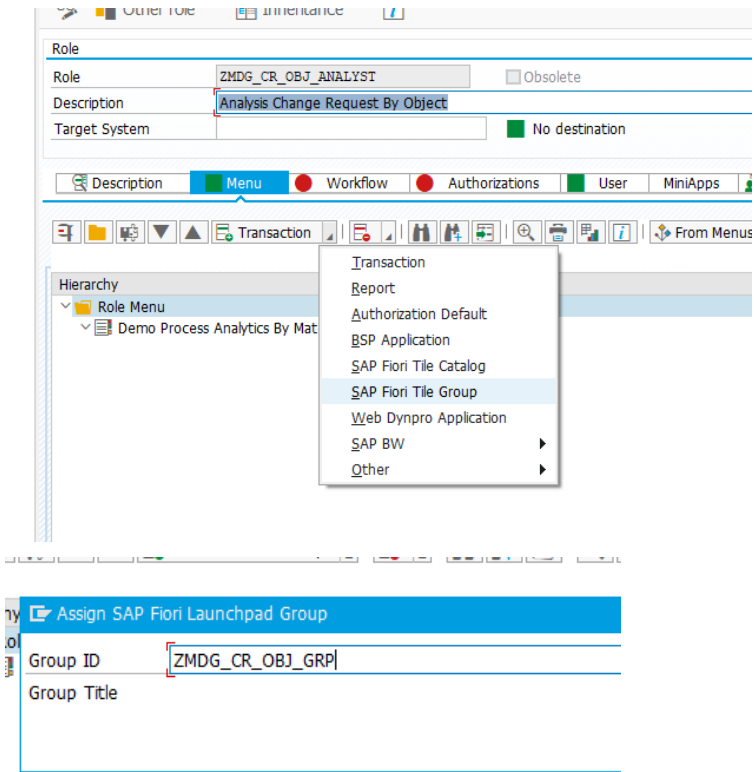
OKCancel

Go to the transaction's PFCG role or create a new PFCG role if you don't have one yet.

Add your catalog into the menu.



Add the group into the menu.



This screenshot shows the 'Menu' tab of the SAP Role Configuration interface for the role 'ZMDG_CR_OBJ_ANALYST'. The role description is 'Analysis Change Request By Object'. The 'Hierarchy' section shows a tree structure with 'Role Menu' expanded, containing 'Analyze MDG Change Request' and 'Demo Process Analytics By Material'.

Assign users to the PFCG role.

This screenshot shows the 'User' tab of the SAP Role Configuration interface for the role 'ZMDG_CR_OBJ_ANALYST'. The 'User Assignments' table is visible, showing a list of users assigned to the role.

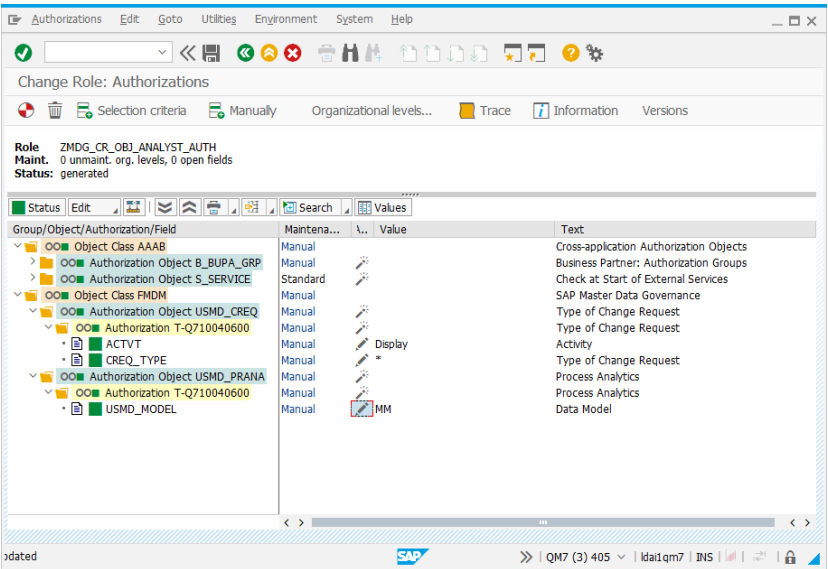
User ID	User Name	From	to	I...
		05.05.2020	31.12.9999	

3.7. Step 6: Assign Authorization

To allow you to see your data in SAP Smart Business, a new authority object called USMD_PRANA has been created.

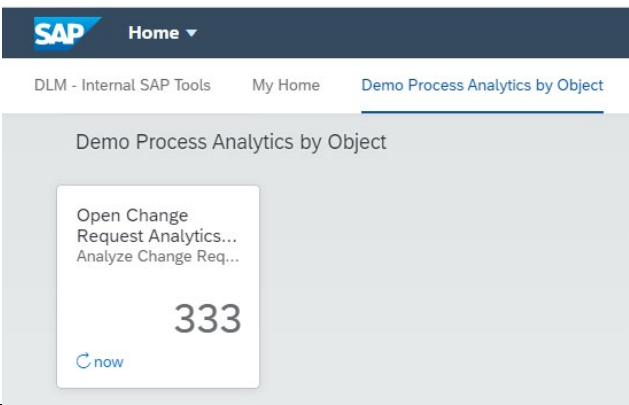
In the end system, beside the master data authority object, this new authority object needs to be included as well in authorization profile.

If a new role authorization profile is created, you can also enhance your existing authorization role to include USMD_PRANA with the right data models as parameters. Then, assign it to the end user.

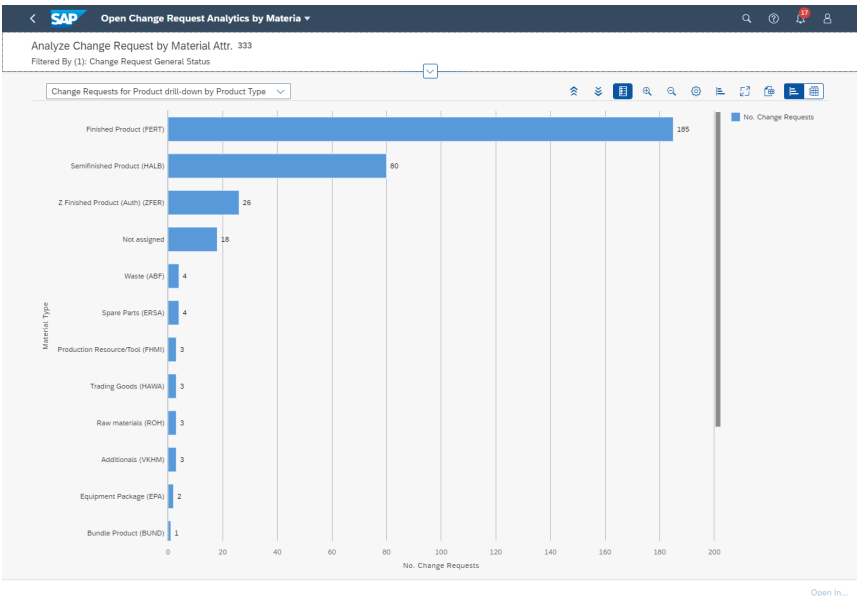


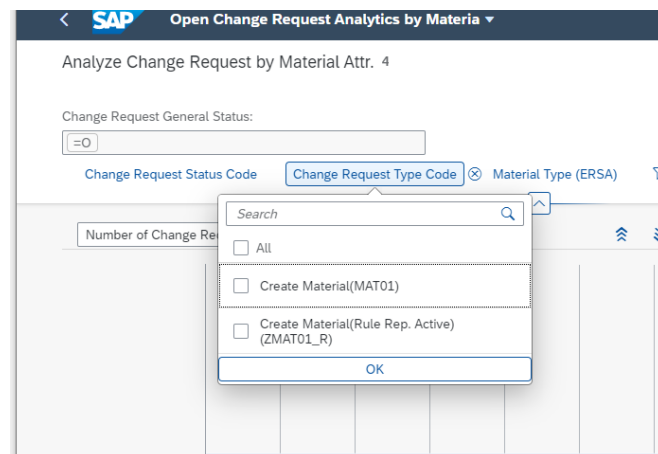
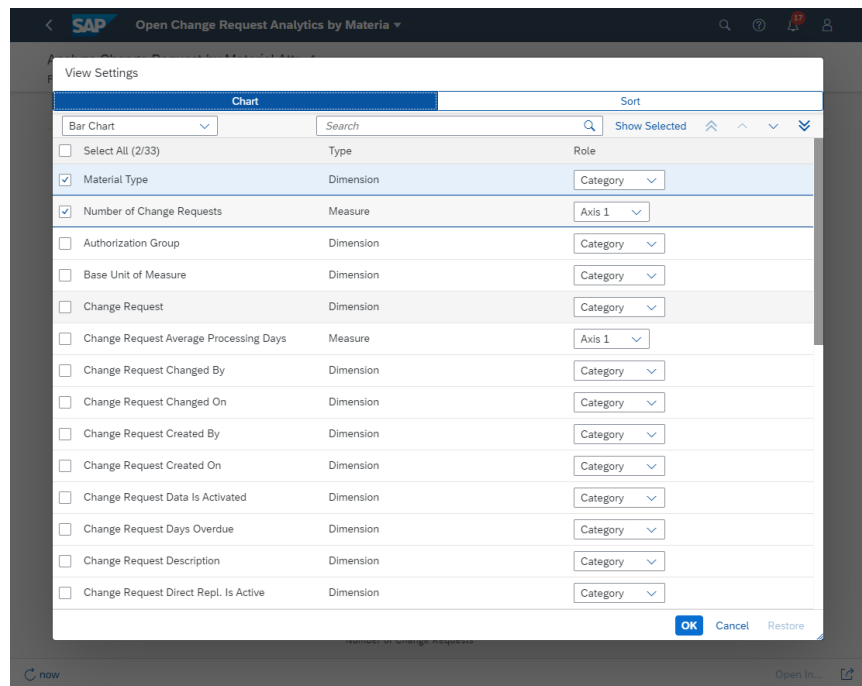
3.8. Step 7: Test the App

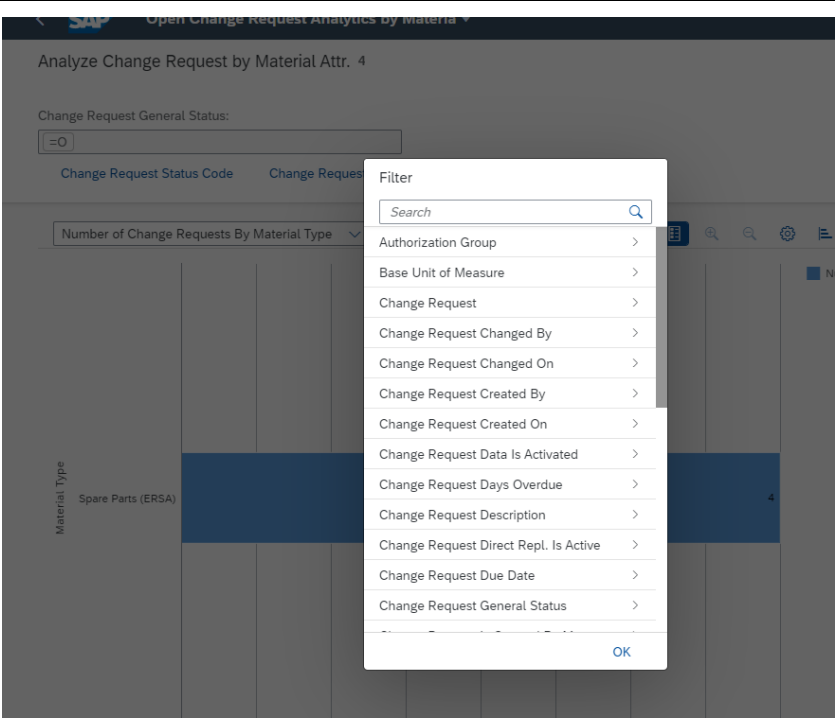
Log in with the user who has been assigned to your PFCG role, then open your Fiori launchpad. The Open Change Request Analytics app should appear.



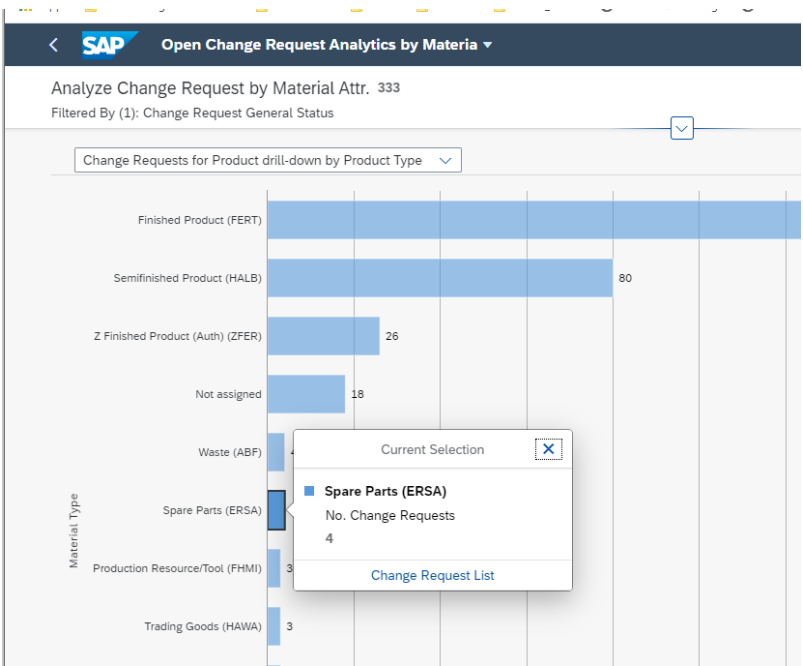
Test the app. For example, try using different object attributes from your configuration for drill down. You can also change request-related attribute filters like Change Request Status or Change Request Type.







Try switching from chart view to list view.



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Open Change Request Analytics by Material ▾

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Analyze Change Request by Material Attr. 4

Filtered By (2): Change Request General Status, Material Type

Change Request List ▾

Change Request List (4)

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Change Request	Change Request Description	Change Request Status Code	Change Request Type Code	Material	Material Group	Material Type
9852	Process Material by Paul Townsend, 09.04.2019	Changes to Be Executed (02)	Create Material (MAT01)	\$1761		Spare Parts (ERSA)
12887	Process Material by Steffen Gutzeit, 22.04.2020	Changes to Be Executed (02)	Create Material(Rule Rep. Active) (ZMAT01_R)	\$2481		Spare Parts (ERSA)
12888	Process Material by Steffen Gutzeit, 22.04.2020	Changes to Be Executed (02)	Create Material(Rule Rep. Active) (ZMAT01_R)	\$2482		Spare Parts (ERSA)
12890	Process Material by Steffen Gutzeit, 22.04.2020	Changes to Be Executed (02)	Create Material(Rule Rep. Active) (ZMAT01_R)	ZAM123		Spare Parts (ERSA)

Try selecting a navigation to change the request UI.

The screenshot displays the SAP Fiori application 'Open Change Request Analytics by Material'. The top section shows a table of change requests with columns: Change Request, Change Request Description, Change Request Status Code, Change Request Type Code, Material, Material Group, and Material Type. A context menu is open over the row for request 12887, showing options: 'Select Navigation', 'Number of Change Requests By Material Type', and 'Process Change Request for Product'. Below the table, the 'Material: New test spare part' view is shown, containing sections for 'Change Request' (General, Notes, Attachments) and 'Change Management' (Basic Data, Details, Replication Status). The 'General' section shows details for request 12887, including description, priority, due date, and status. The 'Basic Data' section shows material details for \$2481, including base unit of measure, material type, industry sector, and material group.

Change Request	Change Request Description	Change Request Status Code	Change Request Type Code	Material	Material Group	Material Type
9852	Process Material by Paul Townsend, 09.04.2019	Changes to Be Executed (02)	Create Material (MAT01)	\$1761		Spare Parts (ER)
12887	Process Material by Steffen Gutzeit, 22.04.2020	Changes to Be Executed (02)	Create Material(Rule Rep. Active) (ZMAT01_R)	\$2481		Spare Parts (ER)
12888	Process Material by Steffen Gutzeit, 22.04.2020	Changes to Be Executed (02)				Spare Parts (ER)
12890	Process Material by Steffen Gutzeit, 22.04.2020	Changes to Be Executed (02)	Material(Rule Rep. Active) (ZMAT01_R)	ZAM123		Spare Parts (ER)

Change Request Details (12887):

- Change Request: 12887
- Description: Process Material by Steffen Gutzeit, 22.04.2020
- Priority: Medium
- Due Date: 21.07.2020
- Reason:
- Status: Changes to Be Executed
- Current Work Item: Process Change Request
- Created On/By: 22.04.2020 10:27:36
- Changed On/By: 22.04.2020 10:32:00
- Type of Change Request: ZMAT01_R
- Step Type: Activate Change Request

Basic Data Details (\$2481):

- Material: \$2481
- Base Unit of Measure: 2 Square inch
- Material Type: Spare Parts
- Industry Sector: C Chemical industry
- Material Group:
- Old Material Number:
- Authorization Group:
- External Material Group:
- Generic Item Group Category:
- Material Group Packaging:
- Design Data:
- Lab/Office:
- Industry Standard Description:

3.9. Important Note

When you add or change the CDS and regenerated the CDS view, your app in Fiori homepage might show up some error: tile can't be loaded...

You need to open your created KPI, Report and Application, click Save or Activate button to reactivate all of them, then your Tile will be loaded again.

4. Build SAP Analytics Cloud Report as Alternative UI

As an alternative to SAP Smart Business, you can use SAP Analytics Cloud (SAC) to configure the analytics app.

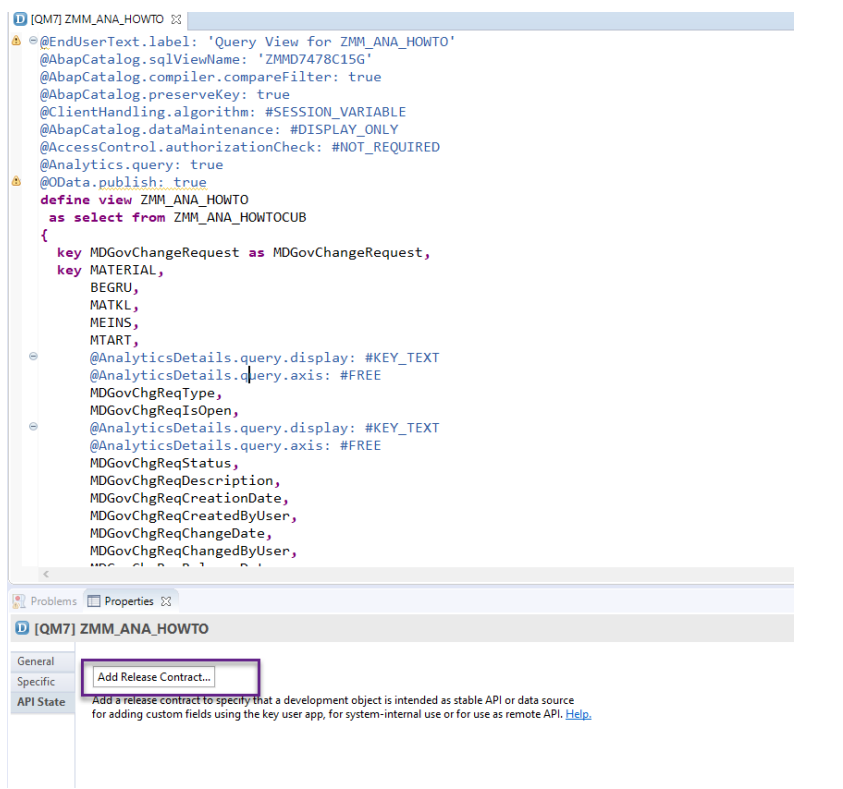
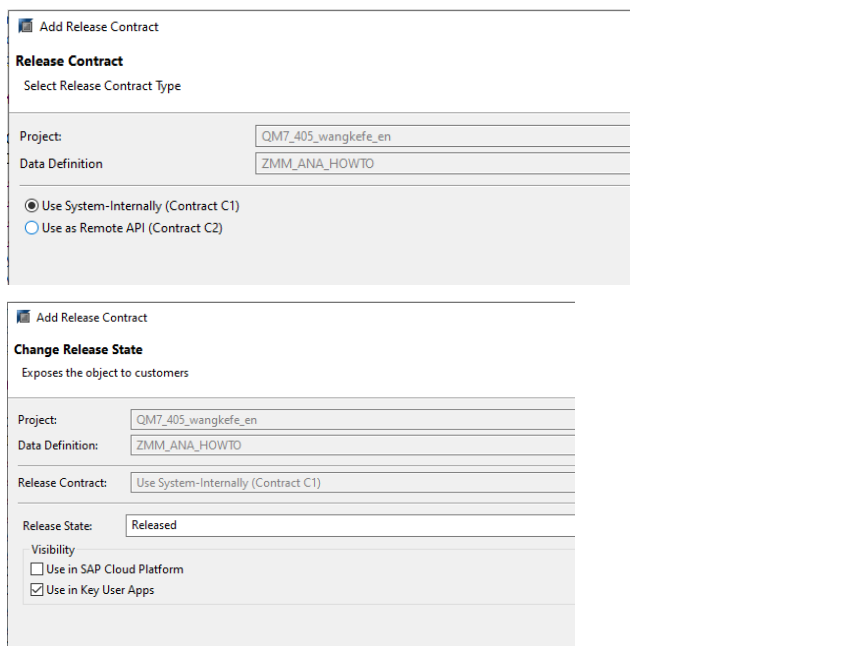
You can also create a report in your SAC tenant using the generated CDS view.

To use this guide, you must have SAC modelling knowledge and modelling authorization in the tenant. If you are new to SAC, you can find introductory materials on these topics at <https://www.sapanalytics.cloud/>

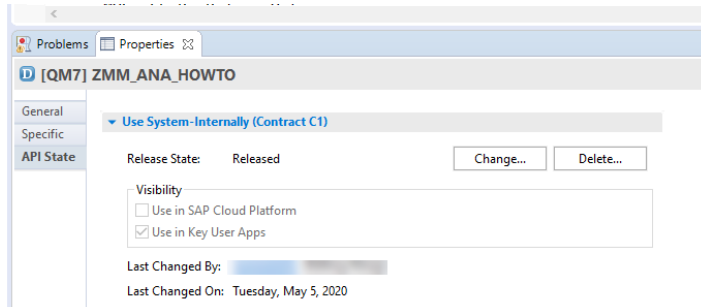
4.1. Preparation: Release CDS View API State

For SAC usage, API State with Contract C1 of the query CDS view needs to be released.

Our generated analytics CDS views from MDG customizing has already C1 contract API State released this step is needed only when you create any analytics CDS view manually.

<p>To open your CDS view, select Properties -> API State.</p> <p>Select Add Release Contract.</p>	 <p>The screenshot shows the SAP Studio interface for the CDS view 'ZMM_ANA_HOWTO'. The 'API State' tab is active, and the 'Add Release Contract...' button is highlighted with a red box. The button is located in the 'API State' section of the 'Properties' pane.</p>
<p>Select Contract C1 and enable Use in Key User Apps.</p>	 <p>The screenshot shows the 'Add Release Contract' dialog box. The 'Release Contract' section shows 'Contract C1' selected. The 'Change Release State' section shows 'Released' selected. The 'Visibility' section shows 'Use in Key User Apps' checked.</p>

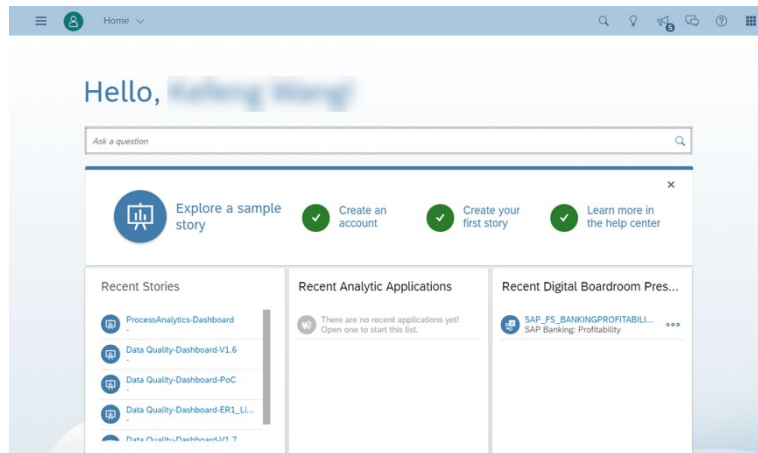
The CDS view should now have Release State: Released.



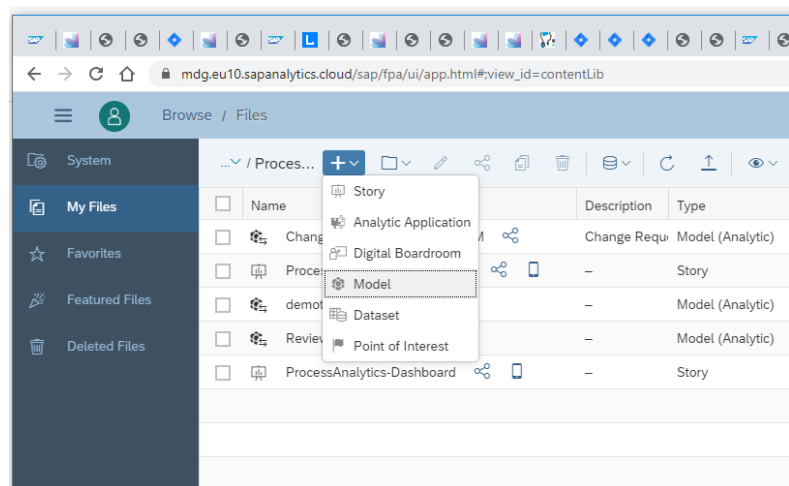
4.2. Log On to SAC Tenant and Create Model

To connect your SAP S/4HANA system to your SAC tenant, you need to set up the Live Connection. To do this please refer to the SAP Help Portal article ["Live Data Connections to SAP S/4HANA"](#).

Log in as a user which has BI Modelling authorization.



Open the file folder where you want to store the SAC report.



Create a Live Data connection Model with the sqlname from your generated CDS view.

Files / New Model

Choose how you'd like to start your model

+

Start with a blank model

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Import a file from your computer

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Get data from a datasource

Connect to live data

Live Data connection

Acquire data

Search

Viewing 23 out of 23

SAP BPC

SAP Business ByDesign Analytics

SAP BW (including BW4HANA)

SAP Cloud for Customer

SAP Cloud for Customer Analytics

SAP Concur

SAP ERP

SAP Fieldglass

SAP HANA

SAP Integrated Business Planning

SAP S/4HANA

SAP SuccessFactors

SAP SuccessFactors Workforce Analytics

[QM7] ZMM_ANA_H...

[QM7] ZMM_WKF89

[QM7] ZMM_WKF89...

[QM7] ZMM...

@EndUserText.label: 'Query View for ZMM_ANA_HOWTO'

@AbapCatalog.sqlViewName: 'ZMMD7478C15G'

@AbapCatalog.compiler.compareFilter: true

@AbapCatalog.preserveKey: true

@ClientHandling.algorithm: #SESSION_VARIABLE

@AbapCatalog.dataMaintenance: #DISPLAY_ONLY

@AccessControl.authorizationCheck: #NOT_REQUIRED

@Analytics.query: true

@OData.publish: true

define view ZMM_ANA_HOWTO

as select from ZMM_ANA_HOWTOCUB

{

key MDGovChangeRequest as MDGovChangeRequest,

key MATERIAL,

}

Create Model From Live Data Connection

Select Live Data Connection and Data Source

*System Type:

SAP BW

*Connection:

QM7405

2CZMMD7478C15G

Query View for ZMM_ANA_HOWTO

ZMMD7478C15G

OK

Cancel

Check all dimensions and measures, and save the model.

Files / HowToGuideSACModel

Datasources

All Dimensions

Measures

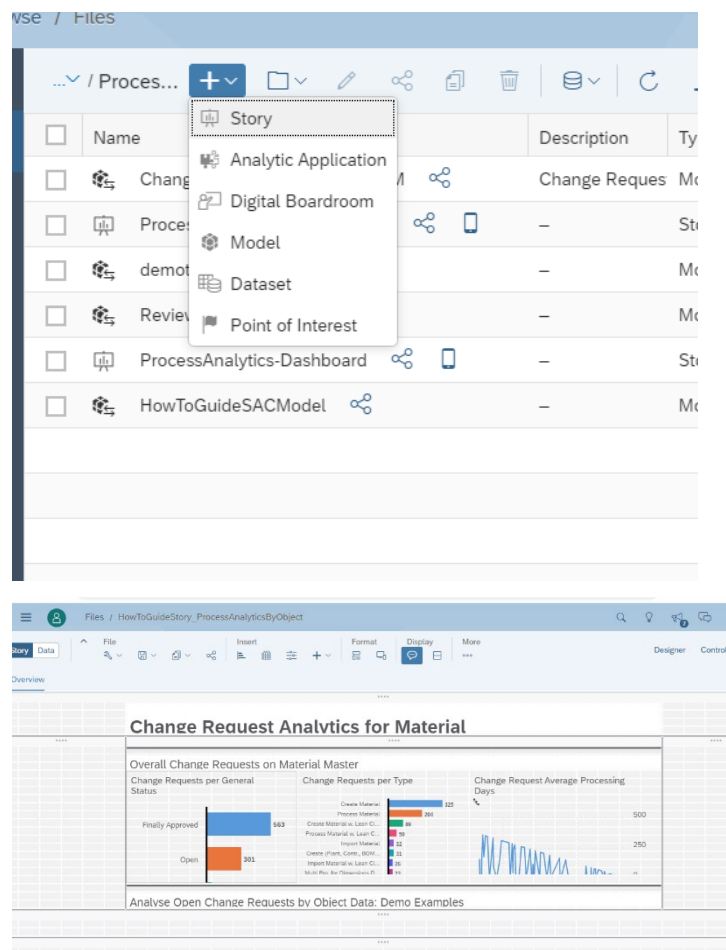
ID	Description	Scale	Decimal Pl...	fx
1	ELTUIDCMP1	Number of Change Req...	0	
2	ELTUIDCMP2	Total Change Request P...	3	
3	ELTUIDCMP3	Change Request Averag...	3	
4				

4.3. Build the SAC Story

Using the SAC Story app, we will build a chart to show the content that was provided from our CDS view.

Create a new story or use an existing story.

In this guide, we have already created a story, so we will add a new chart to show the analytics which were created during backend implementation.

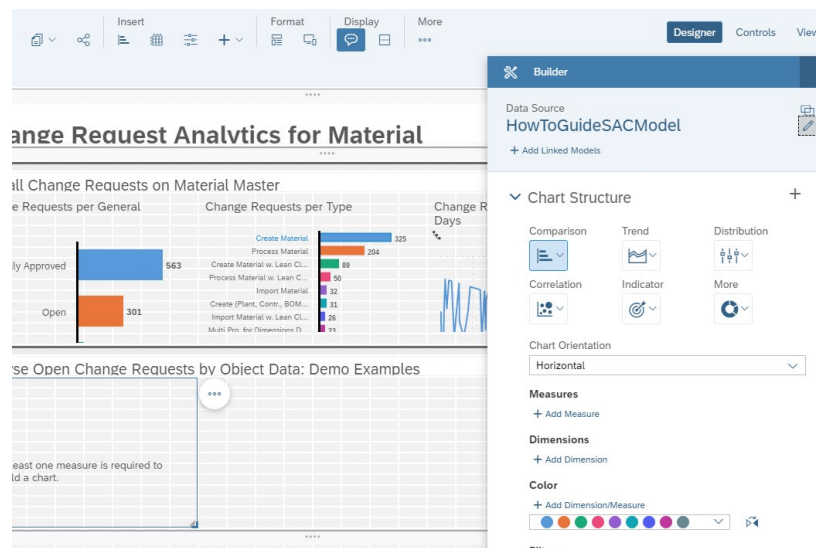


Add a new chart.

In the Designer panel, select your created model in Data Source.

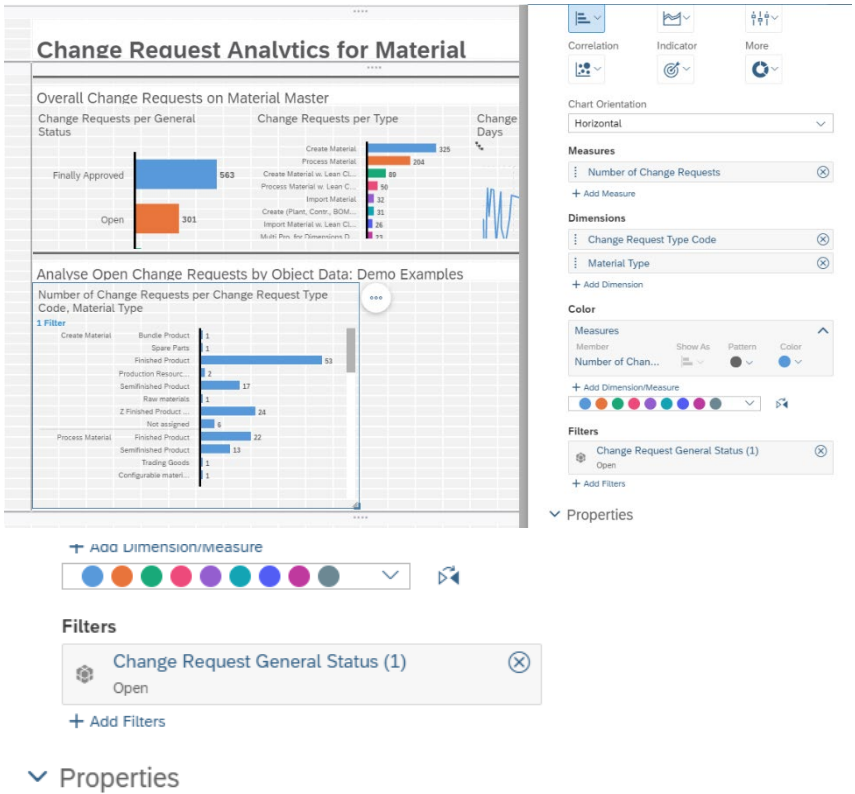
Select any of the following measures:

- Number of Change Requests
- Total Change Request Processing Days
- Change Request Average Processing Days



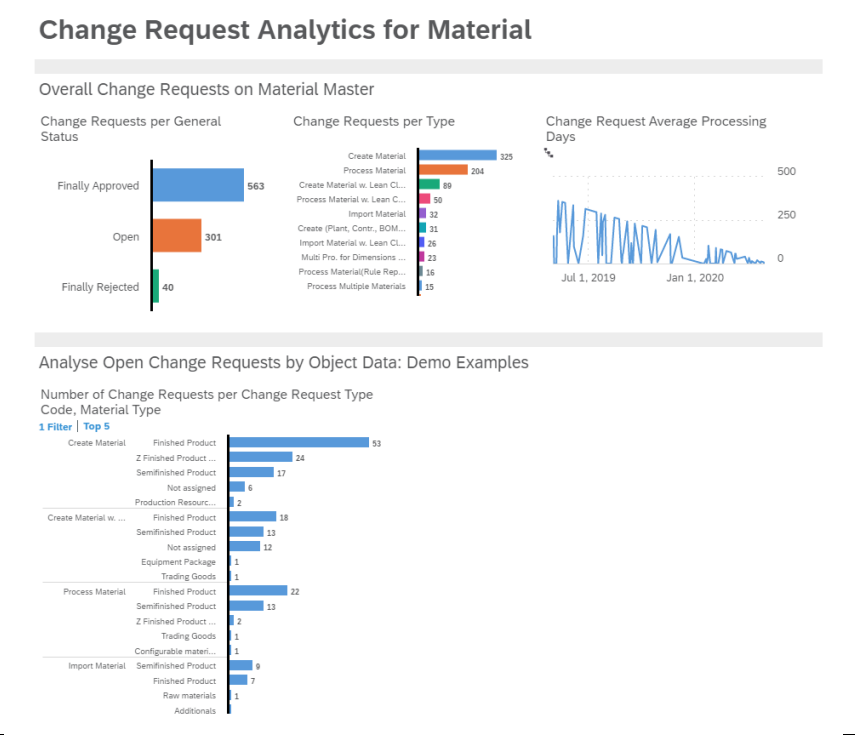
Add the Dimensions you want to show.

Add a filter to the content which you want to show in the chart. In this case, we show only the open Change Request.



Go to the View model.

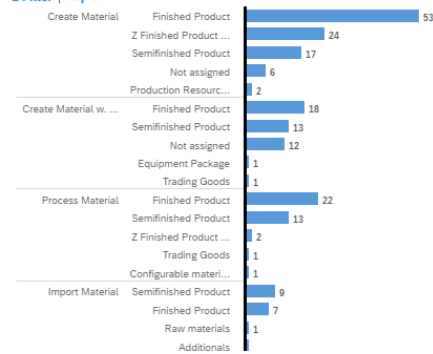
You can then test the chart by adding different filters, comparing it to other charts, exporting it, and so on.



Analyse Open Change Requests by Object Data: Demo Examples

Number of Change Requests per Change Request Type
Code, Material Type

[1 Filter](#) | [Top 5](#)



- Sort
- Rank
- Select Conversions
- Compare To
- Add
- Collapse Title
- Export
- Fullscreen
- Pin to Home
- View Controls...

5. Additional Information

5.1. Further Reading

5.1.1. Information on SAP MDG on SAP S/4HANA

- Exchange knowledge: [SAP Community](#) | [Q&A](#) | [Blog](#)
- Try SAP Master Data Governance on S/4HANA for free: [Trial Version](#)
- Try SAP Master Data Governance on S/4HANA on the SAP Cloud Appliance Library: [S/4HANA 2022 FPS1](#)
- Learn more: [Latest Release](#) | [Help Portal](#) | [How-to Information](#) | [Key Presentations](#)

5.1.2. SAP Roadmap Explorer

- Please see the [roadmap for SAP Master Data Governance](#)

5.1.3. Related Information

- Learn more: [Floorplan Manager for Web Dynpro ABAP](#) | [How to Adapt FPM](#) | [FPM Blog](#) | [How-to Information](#) | [Service Mapping Tool](#) | [SAP S/4HANA Cookbook CVI](#)

5.2. SAP Notes

In addition to the detailed explanations written in this document, please see the following SAP Notes for further important information.

Note	Description
2950412	Functional restrictions in MDG Process Analytics on SAP S/4HANA 2020
3066855	Functional restrictions in MDG Process Analytics on SAP S/4HANA 2021
3225098	Functional restrictions in MDG Process Analytics on SAP S/4HANA 2022
3381795	Functional restrictions in MDG Process Analytics on SAP S/4HANA 2022
1637249	MDG: Information for efficient message processing
2105467	MDG Performance
2561461	Scope of support for SAP Master Data Governance (MDG)
1637249	MDG: Information for efficient message processing