



PUBLIC

How to Enable Master Data Rule Mining with Classification Data

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From SAP Master Data Governance on SAP S/4HANA 1909 and newer

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1.1	Format update

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1. Introduction

Data Quality Management with SAP Master Data Governance achieves the best quality for master data in customer's SAP S/4HANA system(s) and their entire enterprise application landscape by extending and integrating with all MDG-related processes, in the most efficient way, at the lowest possible implementation efforts and TCO, by following an extensible packaged-application approach.

MDG Rule Mining supports the business / master data expert to analyze existing master data and propose the found patterns as rules by leveraging machine learning technology.

Classification data is essential for companies to manage their flexible data structure in important master data e.g. product. This document describes how you could enable the rule mining for your master data combining classification data by using "product" as example.

Classification data is not included in the SAP standard delivery in rule mining for products and business partners. This is because of the generic data structure in classification. This document explains how the classification data can be transformed to function as a normal data source and combined with master data (For example, Product) to apply to rule mining.

2. Implementation

This chapter explains all necessary technical steps to implement the solution.

2.1. Build a CDS View to transform Classification Data

To be able to use rule mining in a Master Data model, it is necessary to transform the generic classification data to an understandable data source such as a normal table, here we choose an ABAP CDS view which is standard and easiest for modelling in our environment.

2.1.1. Supported Characteristics

Because characteristics must be transformed into normal attributes for master data, only Single Value and Character Format is supported. This screenshot shows an example a product classification with 3 characteristics with Single Values.

Classification

Classification

Object

Material 11

Test material by class 11

Class Type 001 Material Class

Assignments

Class	Description	Stan...	S...	Icon
BIKE	Bike - Normal	<input type="checkbox"/>	1	✓

Entry 1 / 1

Values for Class BIKE - Object 11

General

Characteristic Description	Value
Wheel Model	20 Inch
Material of framewokr	Wood
Additional Seat on back	

2.1.2. Create CDS View

You need to use the ABAP Development tool in Eclipse to create a CDS view in your system, be aware that you need developer authorization in your system to create it in the "Z" namespace.

Annotation @AbapCatalog.preserveKey must be set to True.

Here is an example of a CDS view which you could copy and use for your own classification transformation.

```
@AbapCatalog.sqlViewName: 'ZMATCLS01'
@AbapCatalog.compiler.compareFilter: true
@AbapCatalog.preserveKey: true
@AccessControl.authorizationCheck: #CHECK
@EndUserText.label: 'Classificaiton Data as extension of MARA'

define view ZKF_PROD_CLS01
as select distinct
key klah.class as Class ,
key cast( RTRIM( SUBSTRING( CLASS.objek , 1 , 40 ) , ' ' ) as matnr ) as Material ,
@EndUserText.label: 'Additional Seat on back'
cast ( A USP0001.atwrt as zseat2 ) as ZSEAT2 ,
@EndUserText.label: 'Additional Seat on back description'
VALD0001._CharcValueDesc( P_KeyDate: $session.system_date )[1:Language = 'E' ].CharcValueDescription as
ZSEAT2_Desc ,
@EndUserText.label: 'Material of framewokr'
```

```

cast ( AUSP0002.atwrt as zmaterial ) as ZMATERIAL ,

@EndUserText.label: 'Material of framewokr description'

VALD0002._CharcValueDesc( P_KeyDate: $session.system_date )[1:Language = 'E' ].CharcValueDescription as
ZMATERIAL_Desc ,

@EndUserText.label: 'Wheel Model'

cast ( AUSP0003.atwrt as zwheel ) as ZWHEEL ,

@EndUserText.label: 'Wheel Model description'

VALD0003._CharcValueDesc( P_KeyDate: $session.system_date )[1:Language = 'E' ].CharcValueDescription as
ZWHEEL_Desc

from kssk as CLASS

inner join klah as KLAH on klah.clint = CLASS.clint

// and klah.class = 'BIKE'

inner join cabn as CABN0001 on CABN0001.atnam = 'SEAT2'

left outer join ausp as AUSP0001 on AUSP0001.mandt = CLASS.mandt
                        and AUSP0001.klart = CLASS.klart
                        and AUSP0001.mafid = CLASS.mafid
                        and AUSP0001.objek = CLASS.objek
                        and AUSP0001.atinn = CABN0001.atinn

left outer join I_ClfnCharcValForKeyDateTP ( P_KeyDate : $session.system_date ) as VALD0001
on VALD0001.CharcInternalID = CABN0001.atinn
and VALD0001.CharcValue = AUSP0001.atwrt

inner join cabn as CABN0002 on CABN0002.atnam = 'MATERIAL'

left outer join ausp as AUSP0002
on AUSP0002.mandt = CLASS.mandt
and AUSP0002.klart = CLASS.klart
and AUSP0002.mafid = CLASS.mafid
and AUSP0002.objek = CLASS.objek
and AUSP0002.atinn = CABN0002.atinn

left outer join I_ClfnCharcValForKeyDateTP ( P_KeyDate : $session.system_date ) as VALD0002
on VALD0002.CharcInternalID = CABN0002.atinn and VALD0002.CharcValue = AUSP0002.atwrt

inner join cabn as CABN0003 on CABN0003.atnam = 'WHEEL'

left outer join ausp as AUSP0003
on AUSP0003.mandt = CLASS.mandt
and AUSP0003.klart = CLASS.klart
and AUSP0003.mafid = CLASS.mafid
and AUSP0003.objek = CLASS.objek
and AUSP0003.atinn = CABN0003.atinn

```

```

left outer join I_ClfncCharcValForKeyDateTP ( P_KeyDate : $session.system_date ) as VALD0003
    on VALD0003.CharcInternalID = CABN0003.atinn
    and VALD0003.CharcValue = AUSP0003.atwrt

where CLASS.mandt = $session.client
    and CLASS.mafid = '0'
    and CLASS.klart = '001' // classtype 001
    and CLASS.statu = '1';

```

2.1.3. Test CDS View

Once you have created the CDS view, you should test in your environment to see if the data is displayed correctly.

ZKF_PROD_CLS01

Raw Data

Filter pat... 8 rows retrieved - 13 ms SQL Console # Number of Entries S

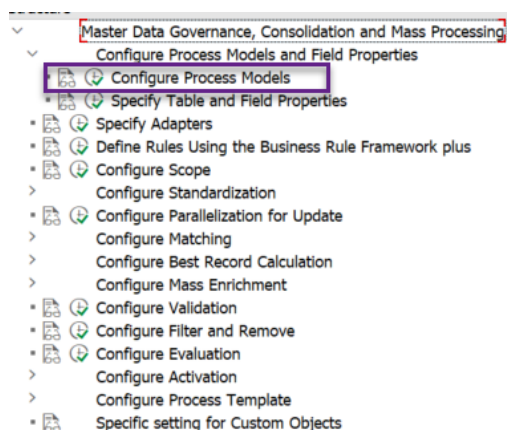
Class	Material	ZSEAT2	ZSEAT2_Desc	ZMATERIAL	ZMATERIAL_Desc	ZWHEEL	ZWHEEL_Desc
BIKE	00000000000000000001	0	No	02	Wood	001	20 Inch
BIKE	00000000000000000011			02	Wood	001	20 Inch
BIKE	00000000000000000012	0	No	02	Wood	002	28 Inch
BIKE	00000000000000000091	0	No	03	Plastic	001	20 Inch
BIKE	00000000000000000092	1	Yes	01	Steel	002	28 Inch
BIKE	00000000000000000093	0	No			001	20 Inch
BIKE	00000000000000000101						
MOTOR	00000000000000000101						

2.2. Extend Data Model with Classification Data

Next you need to connect the new CDS view to the rule mining data model.

2.2.1. Data Model Extension

Go to transaction MDCIMG, *Configure Process Models and Field Properties* → *Configure Process Models*,



In the Tables view enter the CDS SQL view name, check the “Process” flag and Save.

Change View: TABLES - Overview

Bus. Obj. Type: 194

Dialog Structure: Business Object Type, Tables, Joins, Join Fields, Table Fields, Suites, Models, Extra Fabric, BO Type Specific Keepers

Table	Table Alias	Root	Process	Omit Rules	BRF+	Hidden
MARC	Plant Data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MARC_STXH	Plant: Text General	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MARC_STXL	Plant: Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MARD	Storage Location	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MARM	Dimensions	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MATERIALID	Material Identification	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MBEW	Accounting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MDMA	MRP Area	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MEAN	GTIN	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MKAL	Production Version	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MLAN	Tax	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MLGN	Warehouse	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MLGT	Warehouse Storage Type	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MVKE	Sales Data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MVKE_STXH	Sales: Text General	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MVKE_STXL	Sales: Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PGMI	Product Group/Member Allocation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PGZU	Planning Material	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROP	Forecast parameters	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
QMAT	Inspection Lot	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ZMATCLS	Classification Data 2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Go to Table – Fields, and choose the Synchronize Fields button.

Table View: Edit, Goto, Selection, Utilities, System, Help

Change View "Table Fields": Overview

Bus. Obj. Type: 194

Table: ZMATCLS

Synchronize Fields

Field Name	Field Description
CLIENT	Client
PROCESS_ID	Master Data Change Process Identifier
PROCESS_STEP_NO	Master Data Change Process Step Number
SOURCE_SYSTEM	Source System
SOURCE_ID	Master Data Consolidation: ID of a Source Objects
CLASSTYPE	Class Type
CLASSIFICATIONSTATUS	Classification status
MATERIAL	Material Number
ZSEAT2	Additional Seat on back
ZSEAT2_DESC	Characteristic value description
ZMATERIAL	Material
ZMATERIAL_DESC	Characteristic value description
ZWHEEL	Wheel Mode
ZWHEEL_DESC	Characteristic value description
SOURCE_REGENCY	Master Data Consolidation: Recency
SOURCE_MODIFIED	Indicator: Source Record modified
SOURCE_MODIFICATION_BLP	Modification Indicator referring to a field's position
SOURCE_INDEX	Index of record

Position... Entry 1 of 18

Choose the MARA table and enter the *Joins view*. Enter the view name and check the *Process* and *Active* flags. Navigate to *Joins->Join Field->* enter the MATNR and the fieldname of material in your CDS view. Choose Save.

Change View "Joins": Overview

Bus. Obj. Type: 194
Super-Table: MARA

Table	Process	Active
MAKT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MARA_AEOI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MARA_AUSP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MARA_DRAD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MARA_INOB_AUSP	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MARA_INOB_KSSK	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MARA_KSSK	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MARA_STXH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MARC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MARM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MATERIALID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MBEW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MDMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MLAN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MLGN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MVKE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ZMATCLS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

New Entries: Overview of Added Entries

Bus. Obj. Type: 194
Super-Table: MARA
Table: ZMATCLS

Super Field Name	Field Name	Process	Active
MATNR	MATERIAL	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

Go back to the Tables view, and for your CDS view, check the *Mining* flag.
Choose Save.

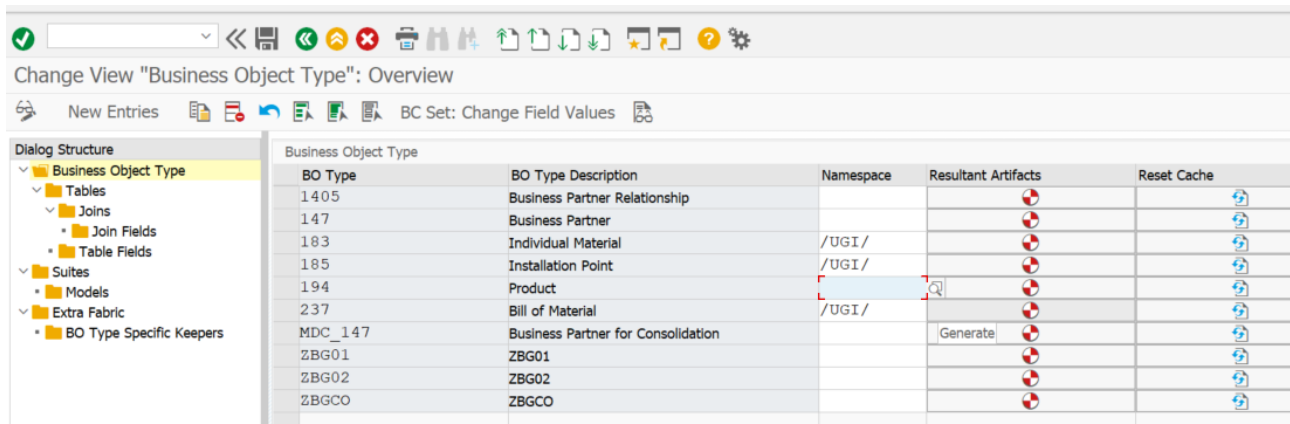
Change View "Tables": Overview

Bus. Obj. Type: 194

Table	Table Alias	Root	Process	Omit Rules	BR...	Hi...	Mining	Switch
MVKE_STXH	Sales: Text General	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MVKE_STXL	Sales: Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PGMI	Product Group/Member Allocation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PGZU	Planning Material	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PROP	Forecast parameters	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
QMAT	Inspection Lot	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ZMATCLS	Classification Data for Rule Mining	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

2.2.2. Generate Artifacts

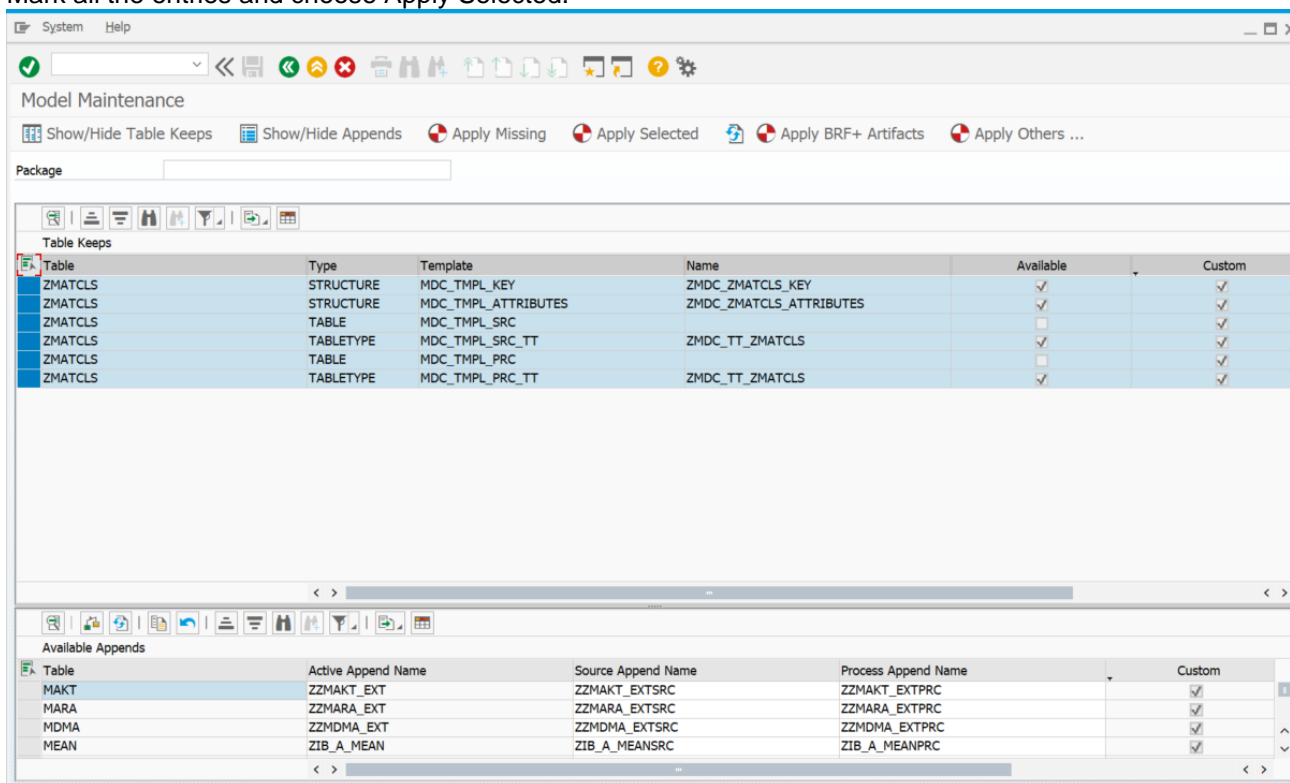
To generate resultant artifacts for your new table, navigate to Business Object Type, and choose *Resultant Artifacts*.



The screenshot shows the SAP Business Object Type Overview. The left pane displays the 'Dialog Structure' with 'Business Object Type' selected. The main pane shows a table of Business Object Types.

BO Type	BO Type Description	Namespace	Resultant Artifacts	Reset Cache
1405	Business Partner Relationship			
147	Business Partner			
183	Individual Material	/UGI/		
185	Installation Point	/UGI/		
194	Product	/UGI/		
237	Bill of Material	/UGI/		
MDC_147	Business Partner for Consolidation		Generate	
ZBG01	ZBG01			
ZBG02	ZBG02			
ZBGCO	ZBGCO			

Mark all the entries and choose Apply Selected.

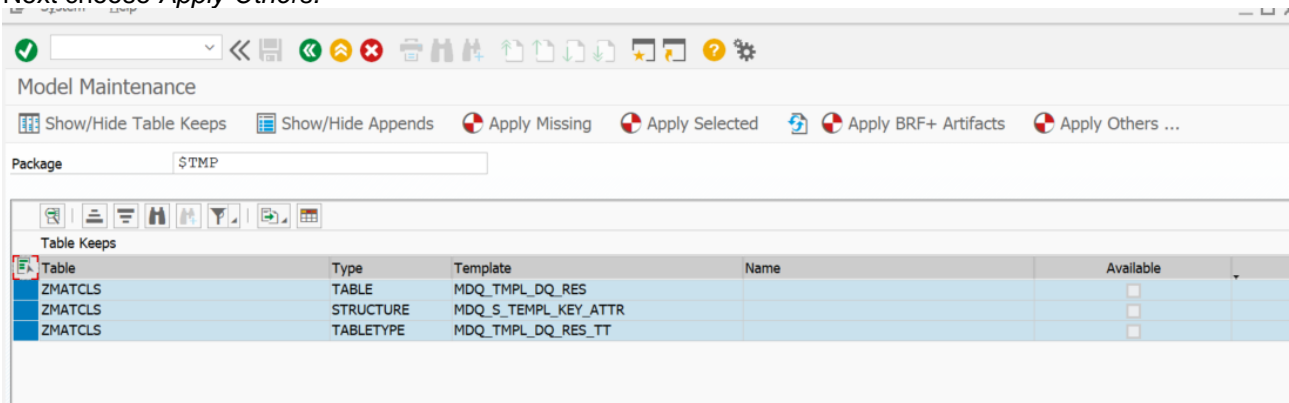


The screenshot shows the SAP Model Maintenance interface. The top bar includes 'System' and 'Help'. The main area has a 'Package' field and a list of actions: 'Show/Hide Table Keeps', 'Show/Hide Appends', 'Apply Missing', 'Apply Selected', 'Apply BRF+ Artifacts', and 'Apply Others ...'. Below this, there are two tables: 'Table Keeps' and 'Available Appends'.

Table	Type	Template	Name	Available	Custom
ZMATCLS	STRUCTURE	MDC_TMPL_KEY	ZMDC_ZMATCLS_KEY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ZMATCLS	STRUCTURE	MDC_TMPL_ATTRIBUTES	ZMDC_ZMATCLS_ATTRIBUTES	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ZMATCLS	TABLE	MDC_TMPL_SRC		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ZMATCLS	TABLETYPE	MDC_TMPL_SRC_TT	ZMDC_TT_ZMATCLS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ZMATCLS	TABLE	MDC_TMPL_PRC		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ZMATCLS	TABLETYPE	MDC_TMPL_PRC_TT	ZMDC_TT_ZMATCLS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Table	Active Append Name	Source Append Name	Process Append Name	Custom
MAKT	ZZMAKT_EXT	ZZMAKT_EXTSRC	ZZMAKT_EXTPRC	<input checked="" type="checkbox"/>
MARA	ZZMARA_EXT	ZZMARA_EXTSRC	ZZMARA_EXTPRC	<input checked="" type="checkbox"/>
MDMA	ZZMDMA_EXT	ZZMDMA_EXTSRC	ZZMDMA_EXTPRC	<input checked="" type="checkbox"/>
MEAN	ZIB_A_MEAN	ZIB_A_MEANSRC	ZIB_A_MEANPRC	<input checked="" type="checkbox"/>

Next choose *Apply Others*.



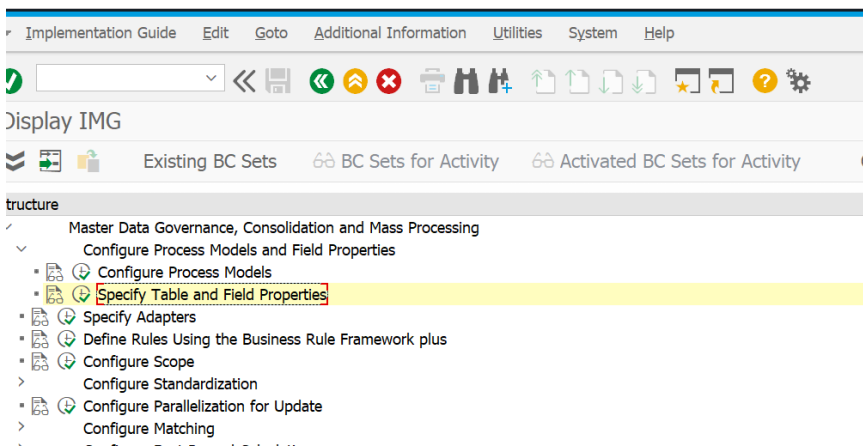
Mark all the entries with your CDS view, and choose *Apply Selected*

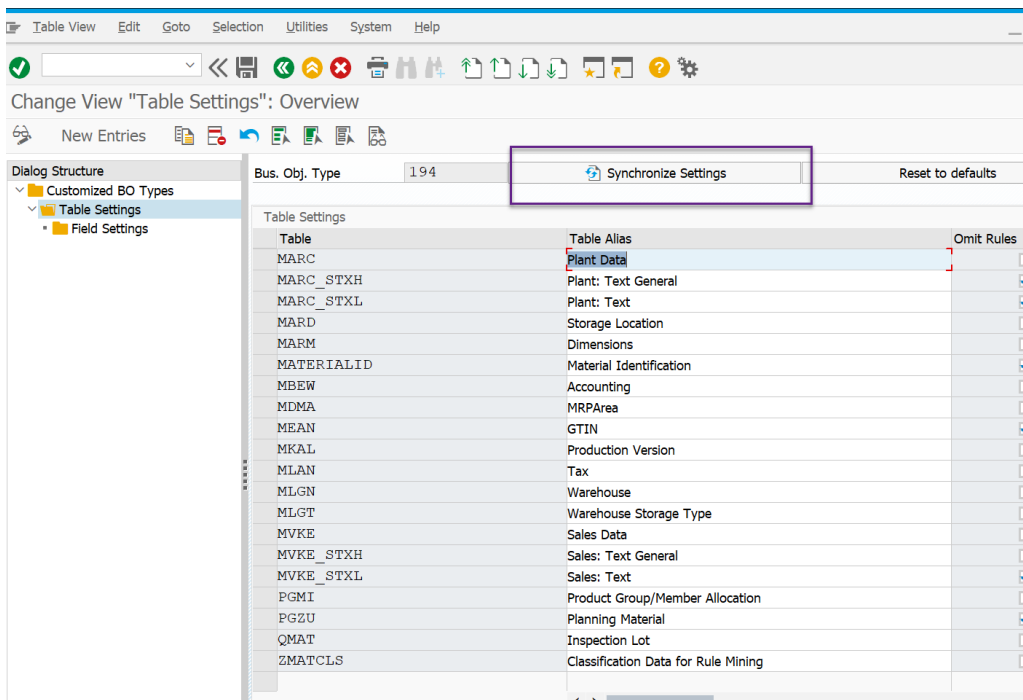
Go to SE11 to review the 3 generated tables.

ZMATCLS_DQ_RES	Master Data Quality Results of OTC 194, Ta
ZZMATCLS_PRC	Process Records Of OTC 194, Table ZMATCLS
ZZMATCLS_SRC	Source Records Of OTC 194, Table ZMATCLS

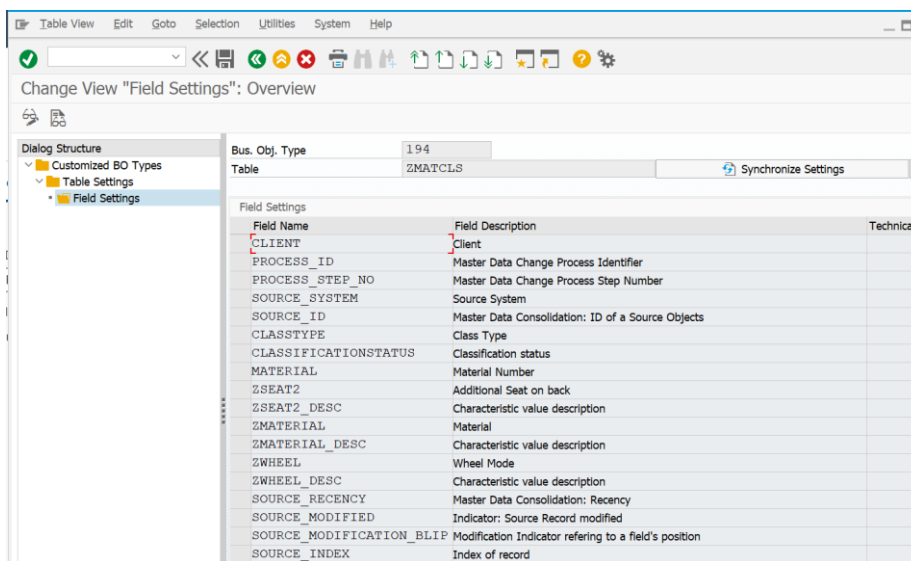
2.2.3. Specify Table and Field Properties

Go to Business Object 194 (if it is not there yet, add it), and choose Synchronize Settings.





Mark your CDS view, go to the *Field Settings* view, choose Synchronize Settings and Save.



The implementation is now complete.

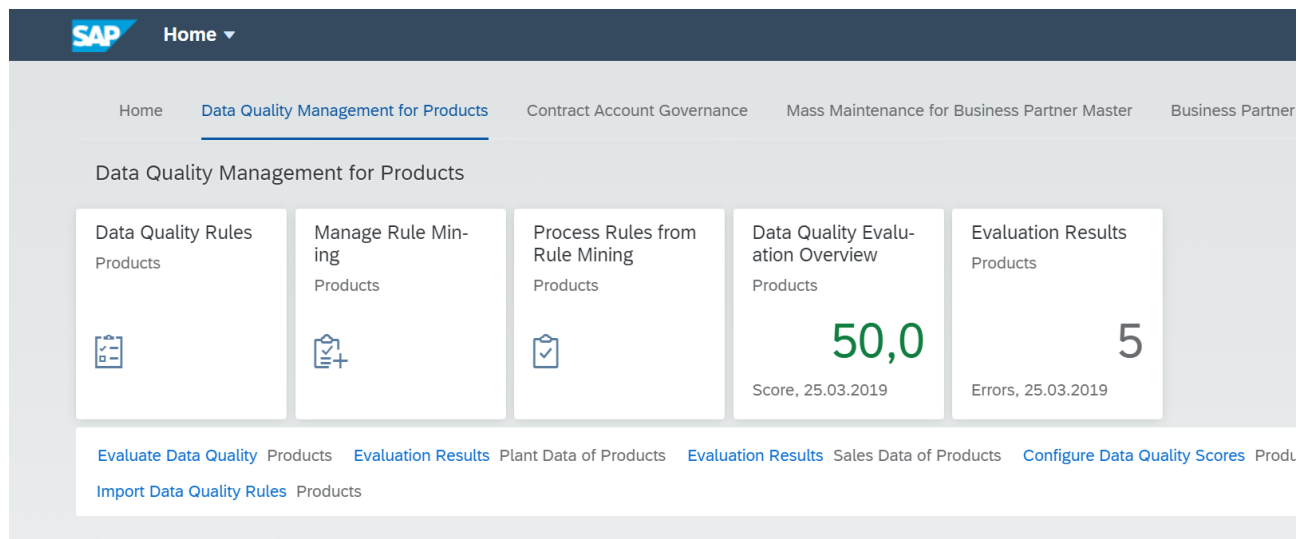
3. Process Test

3.1. Preparation

You must have the appropriate data quality authorization role and Fiori Launchpad role.

In this document, we are using Product master data, so you need to have the Fiori role SAP_BR_PRODMASTER_STEWARD assigned to your user. Follow the standard S/4 authorization setup for getting the authorization to run the rule mining solution. Basically, you will need the authorization objects MDQRM_MNDR, MDQRM_MNNG and MDQRM_RULE.

Once you have the correct roles assigned, log on to the Fiori launchpad and go to Data Quality Managements for Products.



3.2. Rule Mining

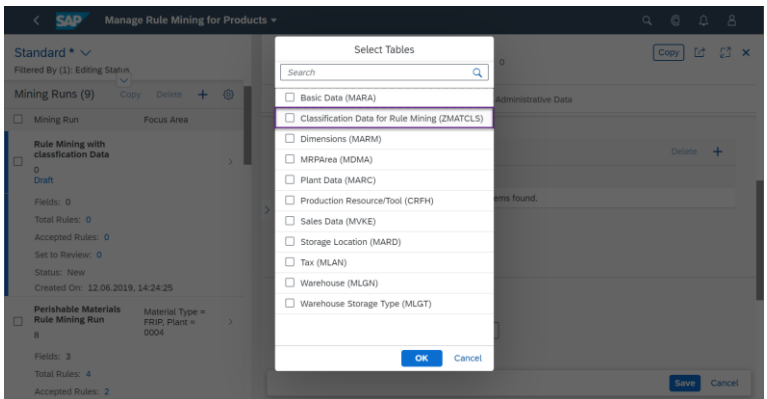
In the Manage Rule Mining app, choose New Mining run

Mining Run	Focus Area	Fields	Total Rules	Accepted Rules	Set to Review	Status
<input type="checkbox"/> Perishable Materials Rule Mining 8	Material Type = FRIP, Plant = 0004	3	4	2	0	Completed
Created On: 26.02.2019, 10:37:00						
<input type="checkbox"/> ananan 7	Plant = 0003	6	0	0	0	Completed
Created On: 15.02.2019, 13:55:51						
<input type="checkbox"/> test 6	Material Type = FERT, Class Type = 001	3	10	3	0	Completed

Enter a description.

In the Table section, choose **+** to add a table.

CDS View should appear in the list on the popup. Mark it and choose OK.

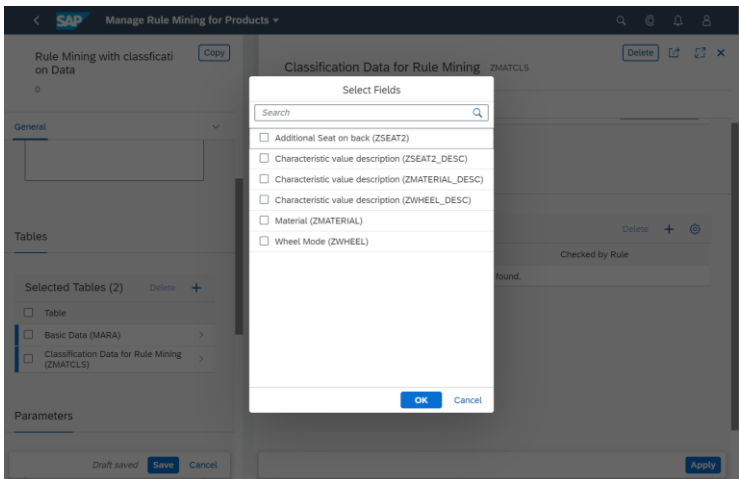


After you get the CDS view added in the list, the details page will appear.

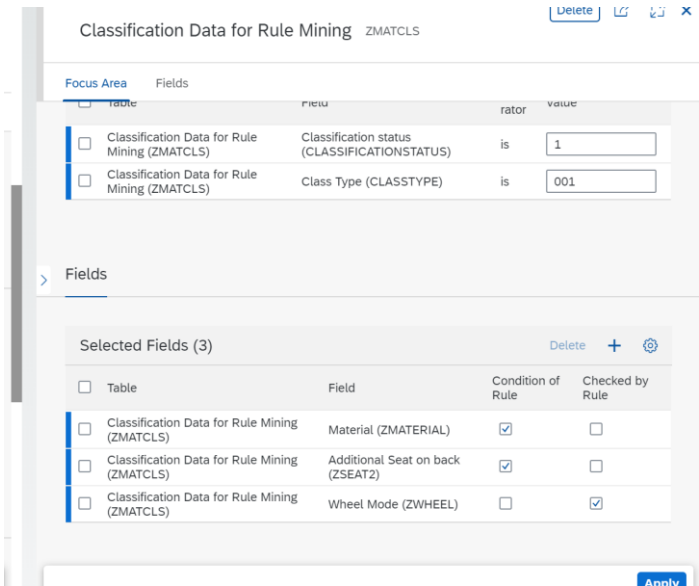
On the details page you can add a filter on the focus area which is used to restrict the data for the mining. Choose **+** to add a filter on your data if you wish.

On the Fields section of details page, you can add your characteristics as fields which you want to discover rules.

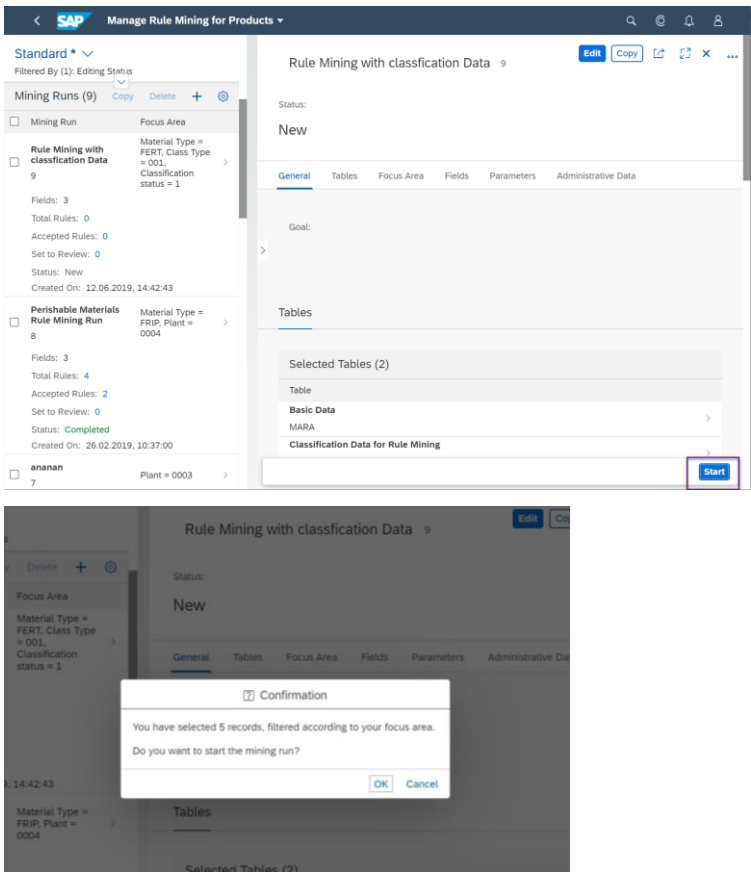
Choose **+**, on the popup, the characteristics which you have exposed in your CDS view should appear on the list. Add several fields.



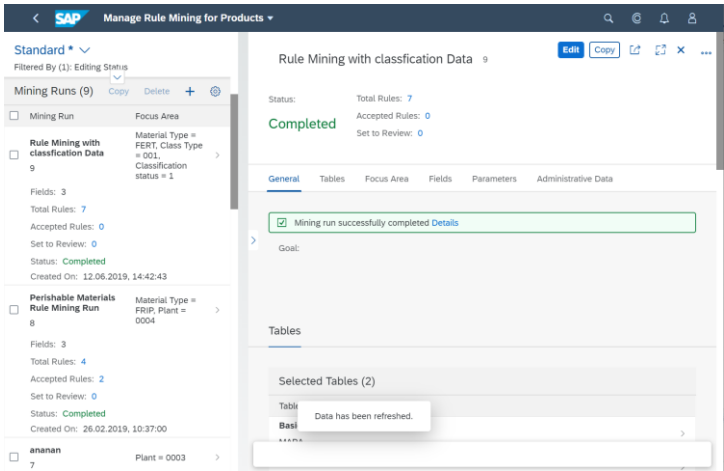
Mark at least one of your added fields with the *Checked by Rule* flag.



Save the Mining Run and start it.



When the mining run finishes, you can navigate to the results by choosing the number after *Total Rules* on the header.



In the Mined Rule, the characteristics are part of rule as if they were normal attributes of the product.

SAP

Process Rules from Master Data Rule Mining for Product

Standard

Filtered By (1): Mining Run

Mined Rules (7)

Accept

Reject

Set to Review

Set to Initial

Link to Data Quality Rule

Delete

<input type="checkbox"/>	ID	Description	Focus Area	Data Evaluation	Checked Field	Checked Field Value	Status
<input type="checkbox"/>	4	IF Additional Seat on back = 0 THEN 5 Wheel Mode = 001	Material Type = FERT, Class Type = 001, Classification status = 1	<div><div>25%</div><div>50%</div><div>25%</div></div>	Wheel Mode (ZWHEEL)	001	Initial
Linked Data Quality Rule:							
<input type="checkbox"/>	4	IF Material = 01 THEN Wheel Mode = 002	Material Type = FERT, Class Type = 001, Classification status = 1	<div><div>25%</div><div>75%</div></div>	Wheel Mode (ZWHEEL)	002	Initial
Linked Data Quality Rule:							
<input type="checkbox"/>	4	IF Additional Seat on back = 1 THEN 7 Wheel Mode = 002	Material Type = FERT, Class Type = 001, Classification status = 1	<div><div>25%</div><div>75%</div></div>	Wheel Mode (ZWHEEL)	002	Initial
Linked Data Quality Rule:							
<input type="checkbox"/>	4	IF Material = 03 THEN Wheel Mode = 001	Material Type = FERT, Class Type = 001, Classification status = 1	<div><div>25%</div><div>75%</div></div>	Wheel Mode (ZWHEEL)	001	Initial
Linked Data Quality Rule:							
<input type="checkbox"/>	4	IF Material = 02 THEN Wheel Mode = 002	Material Type = FERT, Class Type = 001, Classification status = 1	<div><div>25%</div><div>25%</div><div>50%</div></div>	Wheel Mode (ZWHEEL)	002	Initial
Linked Data Quality Rule:							
<input type="checkbox"/>	5	IF Material = 02 THEN Wheel Mode = 001	Material Type = FERT, Class Type = 001, Classification status = 1	<div><div>25%</div><div>25%</div><div>50%</div></div>	Wheel Mode (ZWHEEL)	001	Initial

3.3. Data Quality Evaluation (optional)

If you decide to take a mined rule as a data quality rule, you can use it for a data evaluation scenario. Firstly, we create data quality rule out of the mined rules, and then evaluate the data by using this rule.

3.3.1. Data Quality Rule Setup

Start from mined rule and create a data quality rule.

On the Mined Rule list, mark several rules that have the same checked field and approve them.

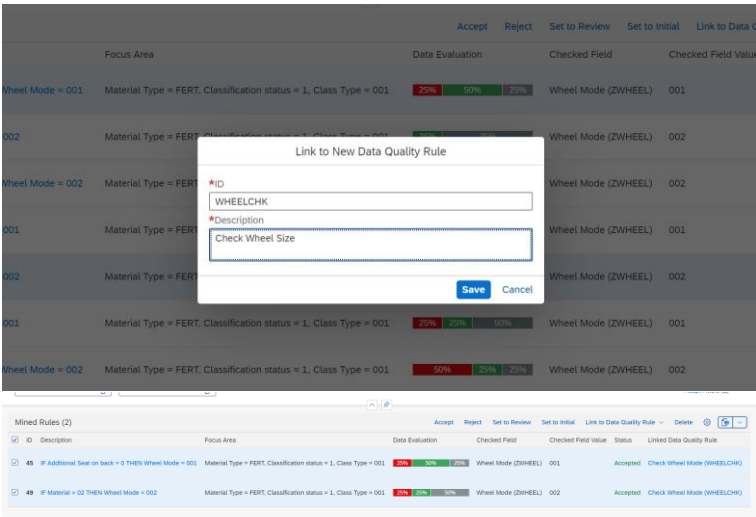
SAP

Process Rules from Master Data Rule Mining for Product

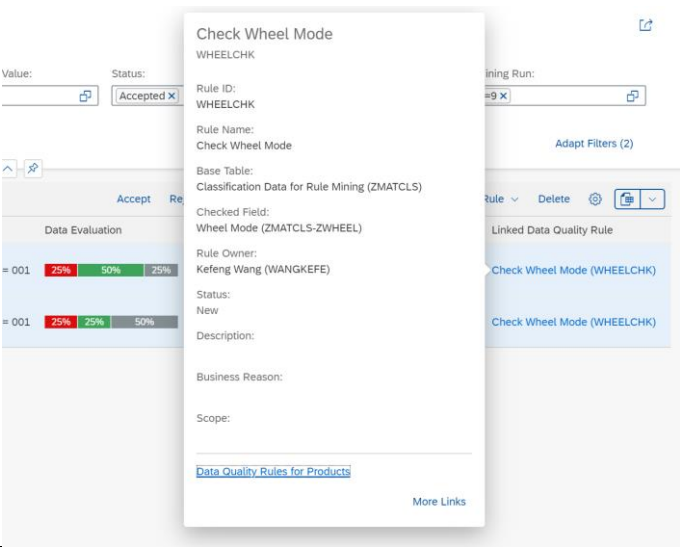
<

Mark one or more approved rules, and choose *Link to Data Quality Rule* -> *Link to New Rule*.
On the popup, enter a rule and a name.

Accept					Reject	Set to Review	Set to Initial	Link to Data Quality Rule	▼	Delete	⚙️	📄	▼
Area		Data Evaluation				Checked Field Value		Status					
al Type = FERT, Class Type = 001, ication status = 1		<div><div>25%</div><div>50%</div></div>				001		Accepted					
		(ZWHEEL)											
<div>Link to New Rule</div> <div>Link to Existing Rule</div> <div>Remove Link</div>													

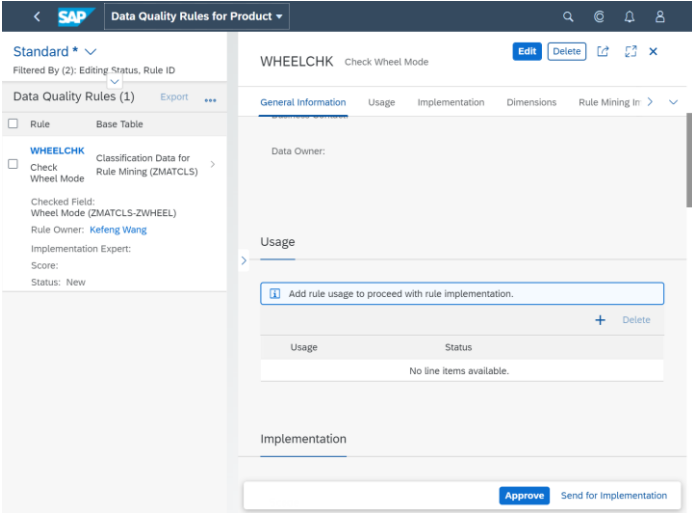


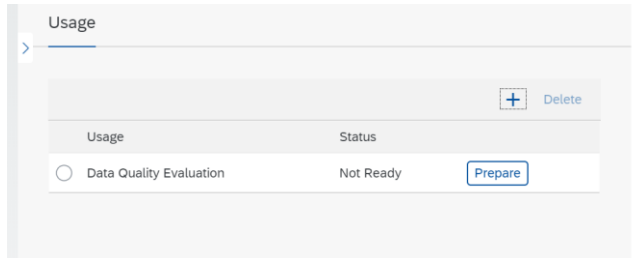
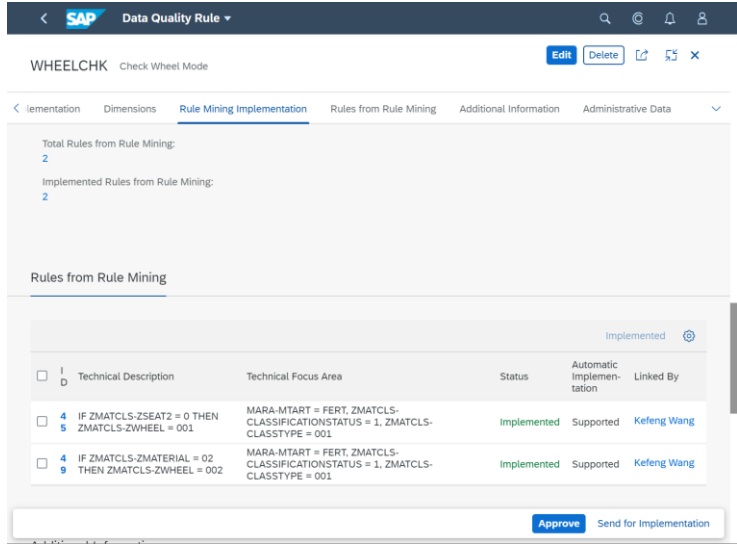

Go to the new Data Quality rule by choosing the Linked Data Quality Rule and choosing the link on the popover.



Add the usage “Data Quality Evaluation” and choose Prepare.

Now the system creates the BRFplus objects and decision tables by applying the mined rules. This could take several seconds.



	
<p>After completing these preparations, you should be able to see the Status 'Implemented' for the rules in the Rules from Rule Mining section.</p> <p>Now choose Approve.</p>	
<p>To edit the rule, go back the Usage section. You should be able to choose the Enable button on the Data Quality Evaluation.</p>	
<p>This data quality rule is ready for data quality evaluation</p>	

3.3.2. Data Quality Evaluation

You can follow application help document to use this rule for data evaluation
https://help.sap.com/docs/SAP_S4HANA_ON-PREMISE/6d52de87aa0d4fb6a90924720a5b0549/0badfce1f7b041b2a7bccacda7e797f2.html