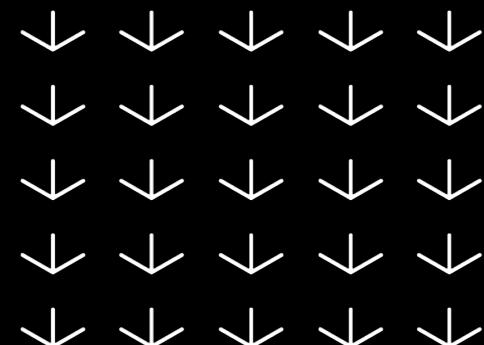




/// SIEMENS PLM CONNECTION 2023

TEAMCENTER PRODUCT MASTER AUTOMATION

Marc Wolff, 20.06.2023, 15:05 – 15:45 Uhr /// Raum 2018



/// WILLKOMMEN ZUM WORKSHOP

THEMENÜBERSICHT

1. Was bedeutet CAD-Part-Alignment?
2. Voraussetzungen
3. Neuerungen Product Master
4. Übungen
5. Exemplarische Konfiguration



/// 1.

WAS BEDEUTET CAD-PART-ALIGNMENT?

- Prozess, um verschiedene Stücklistenstrukturen (CAD, Fertigung, Ersatzteile...) in einem eigenen Lebenszyklus in Teamcenter zu verwalten
- Erstellen, Strukturieren und Organisieren von DBOMs und EBOMs für die jeweiligen Anforderungen
- Verwendung von Form-Fit-Function-Bewertungen, um Änderungen auf Designs und Parts zu isolieren



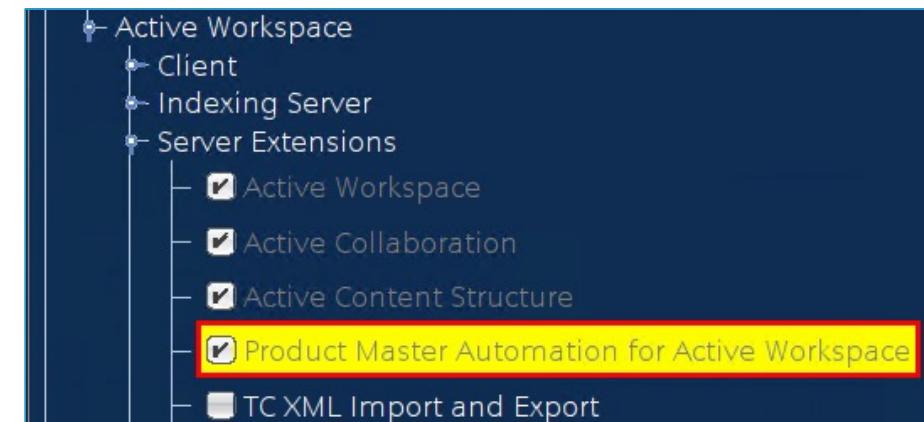
/// 2.

VORAUSSETZUNGEN

- Software: verfügbar ab Tc13.2/AWC6.2
- Templates
 - Active Workspace → Product Master Automation
 - Extensions → Product Master Automation for Active Workspace
 - Extensions → BOM Management → Product Master Automation
- BMIDE Projekt → Kundendatenmodell
- BMIDE Template Store → pma0automation, pma1awautomation
- Lizenzen

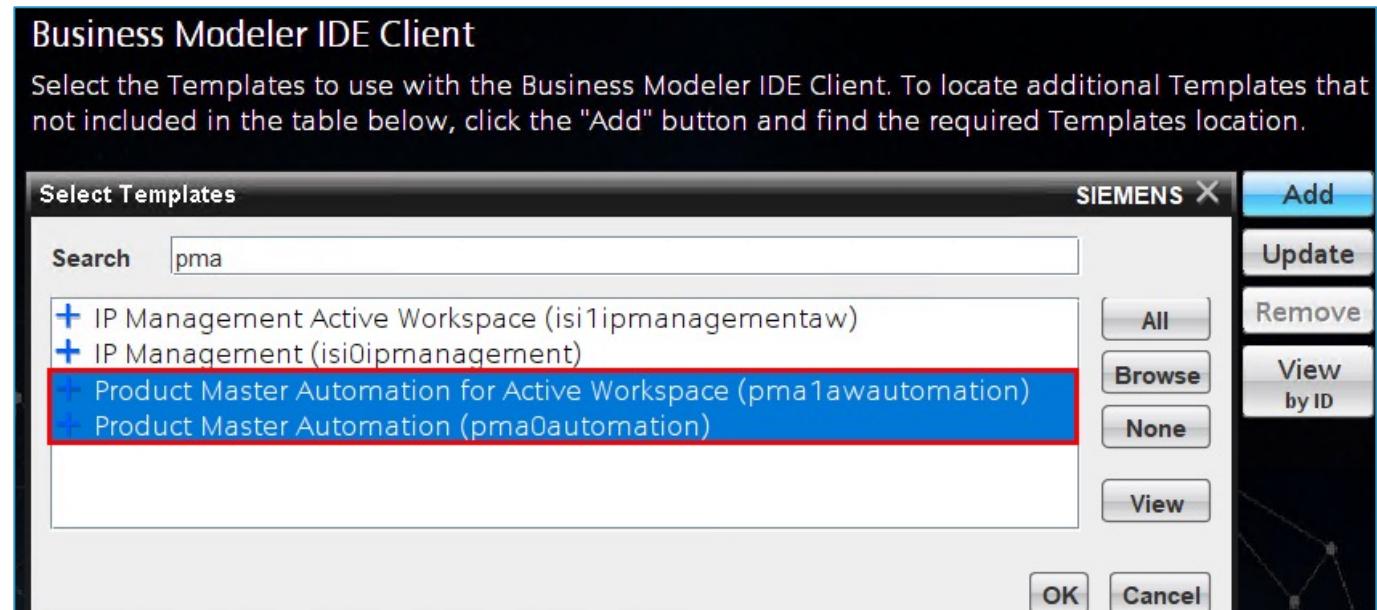
TEMPLATES

Folgende Templates sind über das DeploymentCenter oder mittels TEM Deployment in die Datenbank einzupflegen:



BMIDE TEMPLATES STORE

Folgende Erweiterungen
sind über das
DeploymentCenter oder
mittels TEM im Template
Store einzupflegen:



LIZENZEN

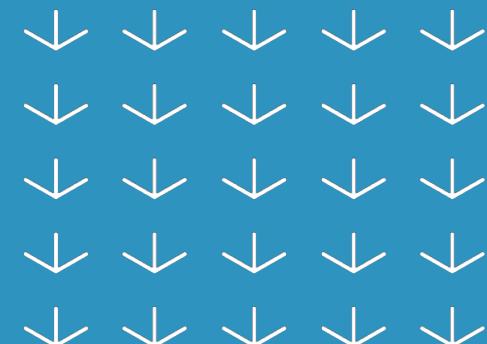
Folgendes Lizenz-Inkrement ist u.a. für das Ausführen der Workflow Handler erforderlich.

```
INCREMENT tc_ebom_alignment ugslmd 15.0
  VENDOR_STRING="For Internal Siemens PLM Use Only" SUPERSEDE \
  DUP GROUP=UHD user info="EBOM Alignment Manager" \
```

/// 3.

NEUERUNGEN PRODUCT MASTER

- BMIDE
- Preferences
- Workflows
- Utility



BMIDE

Funktionserweiterungen - Global Constants

Definition, welches Attribut für die Erstellung des Designs oder Parts ausgewertet wird.

Global Constants		
Project:	mw8test	
Name	Value	Template
Pma0DesignReqdPropNameOnPart	Part:is_designrequired	pma0automation
Pma0PartReqdPropNameOnDesign	Design:pma0IsPartRequired,MW8_EngDesign:mw8_ed_ispartrequired	pma0automation,mw8test

Funktionserweiterungen – Extensions

Neue Extensions, u.a für die automatische Erstellung und Zuweisung des Parts bei Design Erzeugung oder das Übertragen der Primary Representation (blauer Haken) bei Revisionierung des Designs/Parts.

-  Pma0AutomateAndAlign
-  Pma0DeleteImplicitPrimaryRep
-  Pma0BulkLoaderForBOMLineProperties
-  Pma0BulkLoaderForFnd0ItemLineLiteProperties
-  Pma0BulkPropagatePCAOnDesignRevise
-  Pma0DeleteImplicitPrimaryRep
-  Pma0PropagatePCAOnDesignRevise

Funktionserweiterungen – Conditions

Neue Conditions, u.a. welches Attribut für die Design/Part Erstellung ausgewertet wird oder welche Aktionen bei Änderungen der Design BOM an der Part Struktur ausgeführt werden können – z.B.: Replace Part, Revise Part, New Part
In Abhängigkeit der Conditions werden unterschiedliche LoVs angesprochen.

- ↳ Pma0CreateImplicitDesignCondition
- ↳ Pma0CreateImplicitPartCondition
- ↳ Pma0EnableDsgnChangeActionsOnPart
- ↳ Pma0EnablePartChangeActionsOnDesign
- ↳ Pma0EnableProductEBOMWF
- ↳ Pma0EnableReuseDsgnActionOnPart
- ↳ Pma0EnableReusePartActionOnDesign
- ↳ Pma0EnableReviseDesignActionOnPart
- ↳ Pma0EnableRevisePartActionOnDesign

Funktionserweiterungen – LoVs

Neue LoVs, die je nach Condition-Wert
(true, false) selektierbar sind.

 Pma0LessFinish
 Pma0ListOfDsgnUpdateActionOnPrt
 Pma0ListOfPartUpdateActionOnDsgn
 Pma0NewDesignActionLOV
 Pma0NewPartActionLOV
 Pma0PartChangeActionsLOV
 Pma0ReuseDesignActionsLOV
 Pma0ReusePartActionsLOV
 Pma0ReviseAndReusePartActionLOV
 Pma0RevisePartActionLOV
 Pma0TechnologyIntent

Pma0PartChangeActionsLOV

LOV : Pma0PartChangeActionsLOV

Details

Project: c9plmc

Name: Pma0PartChangeActionsLOV

Description: Lists the possible actions user can take on Part on a Design change based on the part maturity status. The LOV is available when Pma0EnablePartChangeActions condition is true.

Type: ListOfValuesString

Usage: Exhaustive Suggestive Range

LOV Value Management

Enter values using BMIDE and store values in my template

Supply values directly to Teamcenter database using "bmide_manage_batch_lovs" command line utility

Reference:

Show Cascading View

Value	Description	Condition	COTS	Template
<input checked="" type="radio"/> NewPart	Use a new Part for the De...  isTrue		✓	pma0autom...
<input checked="" type="radio"/> RevisePart	Revise the Part currently ...  isTrue		✓	pma0autom...

Funktionserweiterungen - Property Constants

Neue Property Constant, die das Kopieren von Item/ItemRevision Attributen bei Erstellung des Designs/Parts ermöglicht.

Eigenschaft kommt aus dem Foundation Template.

Business Object : Part

Main Properties Property Bulk Loaders Operations Display Rules Deep C

Enter search text here

Property Name	Type	Storage Type
c9_p_sap_number	Attribute	String[32]
change	Runtime	UntypedReference
checked_out	Runtime	String[32]
checked_out_change_id	Runtime	String[32]
checked_out_date	Runtime	Date
checked_out_user	Runtime	UntypedReference
configuration_object_tag	Reference	TypedReference
ContactInCompany	Relation	UntypedRelation

Property Constants Naming Rule Attaches LOV Attaches Property Rend

Property Constants of c9_p_sap_number

Name	Value	Override
Fnd0InheritFrom	Design.c9_d_sap_number	✓

PREFERENCES

Funktionserweiterungen

Neue Preferences, u.a.

- zur Definition DBOM/EBOM Objekttypen
- zur Definition der ItemID und des Object_Names des korrespondierenden Designs oder Parts
- die Erzeugung von DBOM/EBOM Strukturelementen in Abhängigkeit von Attributwerten (KEY-VALUE Format)
 - Node (Skip, Traverse)
 - Structure (Skip, Traverse)

Name	Location
Pma0_ChildItemType_RevOccType	Site
Pma0_DBOM_Prefix_Suffix	Site
Pma0_DBOM_organizational_node_conditions	None
Pma0_DBOM_properties_for_EBOM_split	Site
Pma0_DBOM_skip_node_conditions	Site
Pma0_DBOM_skip_occurrence_conditions	Site
Pma0_Define_Update_Automation_Behavior	None
Pma0_EBOMRoot_DBOMRoot_Type	Site
Pma0_EBOM_Prefix_Suffix	Site
Pma0_EBOM_skip_node_conditions	Site
Pma0_EBOM_skip_occurrence_conditions	Site
Pma0_Part_Design_Type	Site
Pma0_Report_Generation_Options	Site
Pma0_Summarized_EBOM_Grouping_Criteria	None
Pma0_automation_revise_collaborative_parts	Site
Pma0_use_struct_mod_date	Site

WORKFLOWS

Funktionserweiterungen

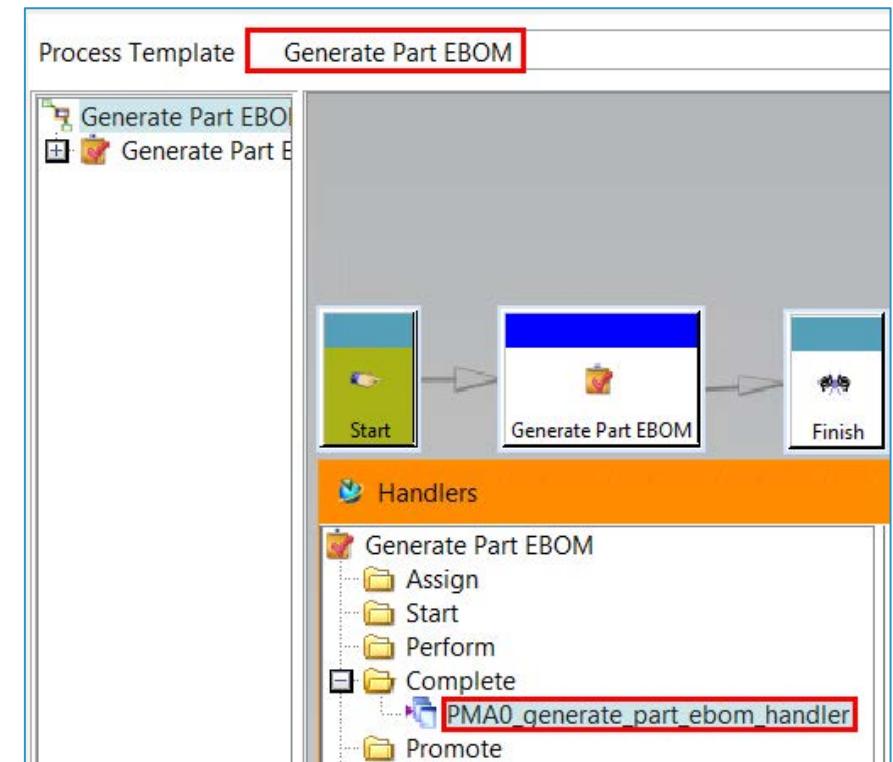
Neue OOTB Standard Workflow Templates werden mit dem Deployment der Templates angelegt.

Generierung DBOM/EBOM

- Generate Design BOM
- Generate PART EBOM

Update DBOM/EBOM

- Update Design BOM
- Update Engineering BOM



UTILITY ERZEUGUNG EBOM

Funktionserweiterung - generate_ebom_from_dbom

Über Tc Shell CMD

Vorteil gegenüber Workflow Handler → Setzen einer Revision Rule für die Design Struktur

```
d:\plm\tc14\tc_menu>generate_ebom_from_dbom -h

Option List

Required
  -u=<username>          Teamcenter username.
  -p=<password>           Teamcenter password.
  -g=<password>           Teamcenter user group.
  -dbomroot=<dbomroot id> The item_id for the dbom root item
  -structure_type=<part_ebom or product_ebom>
                           The type of EBOM structure to be generated i.e. structure with part as the root item or product as root item.
                           Valid values are part_ebom or product_ebom.

Optional:
  -dbomroot_type=<dbomroot type>
                           The object_type for the dbom root item
  -dbomroot_rev=<dbomroot rev id>
                           The item_revision_id for the dbom root item rev
  -revrule=<revision rule> The revision rule to be considered for configuring the dbom structure. (Default: Working; Any Status)
  -report_option=<report_option>
                           yes : To generate HTML Report
                           no : Not to generate HTML Report
                           only_on_error : To generate HTML Report in case Error. (Default)
  -h                      Display this help message. (Default: false)
  -verbose                 Print summary report on console (Default: false)
```

UTILITY MIGRATION BESTEHENDER ALIGNMENTS

Funktionserweiterung - cba_migrate_design_ebom

Über Tc Shell CMD

Die Lösung über den Product Master nutzt maßgeblich Funktionalitäten aus dem Active Workspace. In diesem Zusammenhang wird ausschließlich die relative Positionierung in den Strukturen unterstützt.

Mit der Utility können Bestandsdaten, die mit einer absoluten Positionierung erzeugt wurden in die neue Methodik überführt werden.

```
d:\plm\tc14\tc_menu>cba_migrate_design_ebom -h

This utility migrate the Design EBOM alignment (CBA 1.0) to new CAD-Part alignment model (CBA 3.0)
Before running the utility, you need to set following preferences:
  1.FND0_ENABLE DESIGN_BOM_ENGINEERING_BOM_ALIGNMENT=true

USAGE:
  cba_migrate_design_ebom [-h] -u=<user_id> {-p=<password>|-pf=<password file>} -g=<group>
  -dbomroot=<dbom item_id> -drevrule=<dbom revision rule> -ebomroot=<ebom item_id>
  -erevrule=<ebom revision rule> -mode=<PPF, update_prop, default> -log=<absolute path to logfilename> -report=<absolute path to fileName> -removeJT=<true/false>

  -u          - User name
  -p          - User password
  -pf         - Password file
  -g          - Group name
  -dbomroot   - itemid to identify the root of the dbom structure
  -drevrule   - dbom revision rule
  -ebomroot   - itemid to identify the root of the ebom structure
  -erevrule   - ebom revision rule
  -mode        - Optional (Use "PPF" for PPF cases, update_prop if user wants to modify properties like pma0IsPartRequired, fnd0AssemblyIndicator, fnd0HasMultipleDesigns
                and default (wont modify properties) if not entered)
  -log        - By default a log will be generated at current directory. If this
                option is specified, the log will be generated at the given path.
                Must be the absolute path to a file. e.g. D:\reports\Migration_Utility_Run.txt
  -report      - By default a report will be generated at current directory. If this
                option is specified, the report will be generated at the given path.
                Must be the absolute path to a file. e.g. D:\reports\Migration_Utility_Run.csv
  -removeJT   - Takes true/false as a value. This option will enable the removal of JTs and PLMXMLs copied on Part
                during absolute alignment (CAB 1.0), these JTs are not required in relative alignment (CBA 3.0) for
                Visualisation
  -dryRun      - Takes true/false as a value. This option will run the utility in dryRun mode.
```

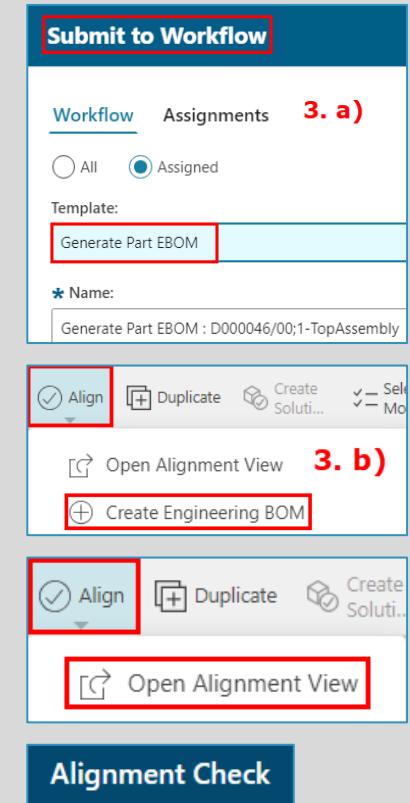
/// 4.

ÜBUNGEN



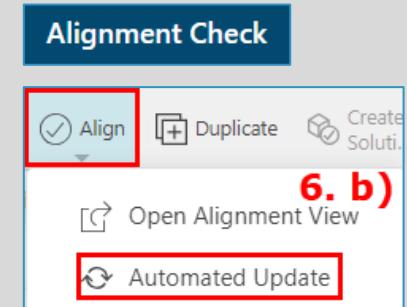
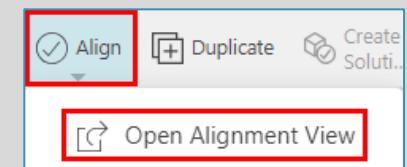
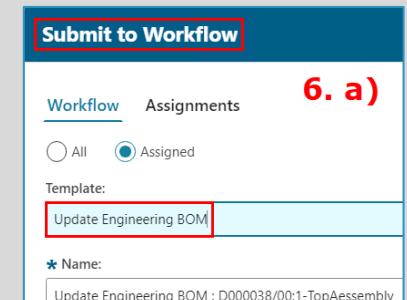
ÜBUNG 1

1. Melden Sie sich im AWC (tcadmin/tcadmin) an und navigieren Sie zum „003_001_Create_EBOM“ Ordner
2. Öffnen Sie die TopAssembly (Active Content View)
3. Erzeugen Sie die EBOM über
 - a) Ausführen des Workflows „Generate Part EBOM“ auf der TopAssembly oder
 - b) die Active Content View und den Menüeintrag „Align → Create Engineering BOM“
4. Schauen Sie sich DBOM und EBOM über die „Alignment View“ an – „Align → Open Alignment View“
5. Erweitern Sie die Strukturen
6. Führen Sie einen „Alignment Check“ aus – Butten oben rechts



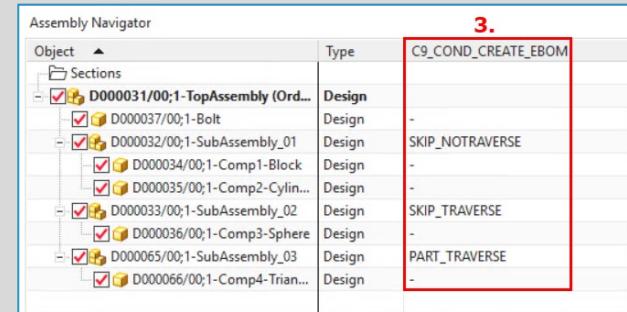
ÜBUNG 2

1. Melden Sie sich im AWC (tcadmin/tcadmin) an und navigieren Sie zum „003_002_Update_EBOM“ Ordner
2. Öffnen Sie die TopAssembly in der „Active Content View“
3. Schauen Sie sich DBOM und EBOM über die „Alignment View“ an – „Align → Open Alignment View“
4. Führen Sie einen „Alignment Check“ durch und prüfen Sie die Auffälligkeiten an
5. Navigieren Sie zurück zur „Active Content View“
6. Aktualisieren Sie die korrespondierende EBOM
 - a) über den Workflow „Update Engineering BOM“ oder
 - b) die „Active Content View“ und den Menüeintrag „Align → Automated Update“
7. Öffnen Sie erneut die „Alignment View“ – „Align → Open Alignment View“ Prüfen Sie die Strukturen

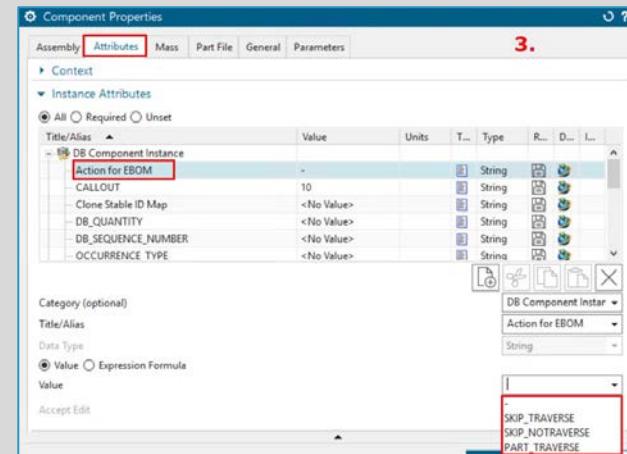


ÜBUNG 3

1. Melden Sie sich im AWC (tcadmin/tcadmin) an und navigieren Sie zum „003_003_Create_EBOM_Conditions“ Ordner
2. Öffnen Sie die TopAssembly in NX und wechseln Sie in den Assembly Navigator
3. Prüfen Sie die Spalte „C9_COND_CREATE_EBOM“ – Note Type mit LoV, der die Erzeugung/das Verhalten des Baugruppenknotens auf der EBOM steuert, kann aus NX gesetzt werden.
4. Schließen Sie die Baugruppe in NX und öffnen Sie die TopAssembly in der „Active Content View“
5. Erzeugen Sie die EBOM über
 - a) Ausführen des Workflows „Generate Part EBOM“ auf der TopAssembly oder
 - b) die Active Content View und den Menüeintrag „Align → Create Engineering BOM“
6. Schauen Sie sich die Strukturen in der „Alignment View“ an



Object	Type
Sections	
- <input checked="" type="checkbox"/> D000031/00;1-TopAssembly (Ord...	Design
<input checked="" type="checkbox"/> D000037/00;1-Bolt	Design
<input checked="" type="checkbox"/> D000032/00;1-SubAssembly_01	Design
<input checked="" type="checkbox"/> D000034/00;1-Comp1-Block	Design
<input checked="" type="checkbox"/> D000035/00;1-Comp2-Cylin...	Design
<input checked="" type="checkbox"/> D000033/00;1-SubAssembly_02	Design
<input checked="" type="checkbox"/> D000036/00;1-Comp3-Sphere	Design
<input checked="" type="checkbox"/> D000065/00;1-SubAssembly_03	Design
<input checked="" type="checkbox"/> D000066/00;1-Comp4-Trian...	Design



Assembly	Attributes	Mass	Part File	General	Parameters
3.					
Context					
Instance Attributes					
<input checked="" type="radio"/> All <input type="radio"/> Required <input type="radio"/> Unset					
Title/Alias					
DB Component Instance					
Action for EBOM	Value	Units	Type	R...	L...
CALLOUT	10		String		
Clone Stable ID Map	<No Value>		String		
DB_QUANTITY	<No Value>		String		
DB_SEQUENCE_NUMBER	<No Value>		String		
OCCURRENCE TYPE	<No Value>		String		
Category (optional)					
Title Alias					
Data Type					
<input checked="" type="radio"/> Value <input type="radio"/> Expression Formula					
Value					
Accept Edit					
SKIP_NOTRAVERSE					
SKIP_TRAVERSE					
PART_TRAVERSE					

ÜBUNG 4

1. Melden Sie sich im AWC (tcadmin/tcadmin) an und navigieren Sie zum Newstuff Ordner
2. Legen Sie ein neues Design an
 - a) Geben Sie Material und SAP Number an
 - b) Part Required = true, Create Part = true
3. Öffnen Sie die neue Design Revision und kontrollieren Sie die Eigenschaften – Material und SAP Number
4. Öffnen Sie die neue korrespondierende Part Revision und kontrollieren Sie die Eigenschaften – Material und SAP Number

/// 5.

EXEMPLARISCHE KONFIGURATION BMIDE

- Dependency
- Global Constants
- Extensions
- Conditions
- Property Constants



DEPENDENCY

Dependent templates directory: d:\plm\tc14\bmide\templates		
Dependent Templates:		
	Template name	Template display name
<input type="checkbox"/>	foundation	Foundation
<input checked="" type="checkbox"/>	aws2	Active Workspace
<input type="checkbox"/>	cla0classification	Classification Interface
<input checked="" type="checkbox"/>	nx0tcin	NX Foundation
<input checked="" type="checkbox"/>	pma0automation	Product Master Automation
<input type="checkbox"/>	translationservice	Translation Service Components
<input checked="" type="checkbox"/>	activeworkspacebom	Active Content Structure
<input type="checkbox"/>	aut0authorizationaws	Authorization Active Workspace
<input checked="" type="checkbox"/>	pma1awautomation	Product Master Automation for Active Workspace

GLOBAL CONSTANTS

Global Constants		
Project:	mw8test	
Name	Value	Template
Pma0DesignReqdPropNameOnPart	Part:is_designrequired	pma0automation
Pma0PartReqdPropNameOnDesign	Design:pma0IsPartRequired,MW8_EngDesign:mw8_ed_ispartrequired	pma0automation,mw8test

Global Constants	
Project:	mw8test
↑ Name	▼ Value
 Fnd0BOMLineRevConfigProps	ItemRevision,Mfg0MEEquipmentRevision,MW8_EngDesignRevision,MW8_EngPartRevision
 Fnd0BOMLineItemConfigProps	Item,MW8_EngDesign,MW8_EngPart

Global Constants

Project: mw8test

↑ Name	▼ Value
Awb0SupportsStructure	Design Revision,ItemRevision,Part Revision,MW8_EngDesignRevision,MW8_EngPartRevision

EXTENSIONS

Operation Definition		Extension Attachments					
Name	Condition	Active	COTS	Template	Inherited	Arguments	
Post-Action							
Pma0AutomateAndAlign	↳ Pma0CreateImplicitPartCondition	<input checked="" type="checkbox"/>	✓	pma0auto...	✓	Part:pma0CreateAlignedPart	
Pma0AutomateAndAlign	↳ MW8_CreatePart	<input checked="" type="checkbox"/>		mw8test		MW8_EngPart::mw8_ed_create_part	

CONDITIONS

Condition : **Pma0CreateImplicitPartCondition**

Details

Project:	mw8test
Name:	Pma0CreateImplicitPartCondition
Description:	Condition to govern if a Part should be created and aligned to design on creation of a Design
<input type="checkbox"/> Secured	
Input parameters:	<input checked="" type="radio"/> Business Object <input type="radio"/> Business Object and User Session <input type="radio"/> Custom
Signature:	Pma0CreateImplicitPartCondition (Design o)
Expression:	o.pma0IsPartRequired=true

PROPERTY CONSTANTS

Business Object : MW8_EngPartRevision

Main Properties Property Bulk Loaders Operations Display Rules Deep Copy Rules

mw8_epr_ma	Property Name	Type	Storage Type
e_mw8_epr_material	Attribute	String[128]	

Property Constants Naming Rule Attaches LOV Attaches Property Renderer Attach

Property Constants of mw8_epr_material

Name	Value
Fnd0InheritFrom	MW8_EngDesignRevision.mw8_edr_material
Fnd0IsADASecurityProperty	false
Fnd0IsFormattable	true

ACTIVE WORKSPACE

Business Object : Awb0DesignElement

Main Properties Property Bulk Loaders Operations Operation Descriptor

Details

Project: mw8test

Name Awb0DesignElement

Business Object Constant

Modify Business Object Constant

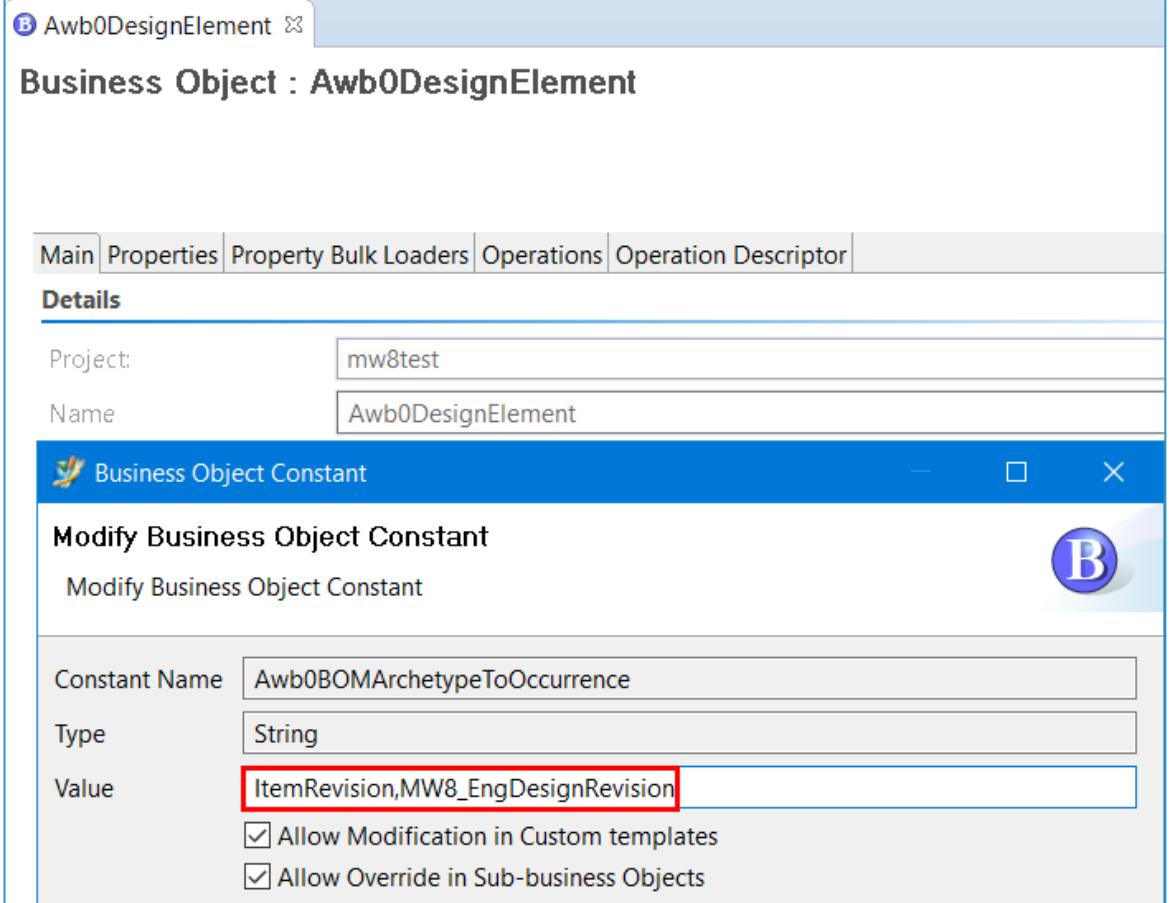
Constant Name Awb0BOMArchetypeToOccurrence

Type String

Value ItemRevision,MW8_EngDesignRevision

Allow Modification in Custom templates

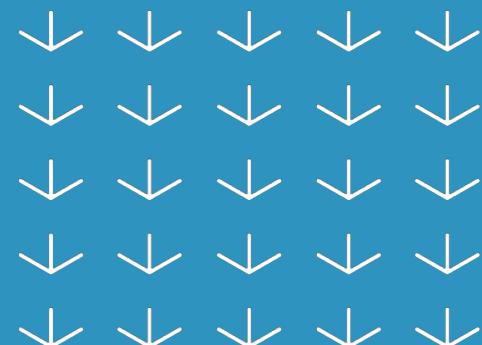
Allow Override in Sub-business Objects



/// 5.

EXEMPLARISCHE KONFIGURATION RICH CLIENT

- Preferences



PREFERENCES

Definition | Instances | Category | Import | Export

Click on the "Edit" button to modify the definition and update any field in order for the "Save" button to be enabled. Note that the "Description" field must not be empty.
Click on the "Save" button to save the definition of the existing preference.

Name	Location	Protection Scope
Pma0_Part_Design_Type	Site	Site

Category	Environment	Type	Multiple
General	Disabled	String	Multiple

Description
Defines the mapping of the Part type with its aligned Design Type. This mapping is used while creating or updating an engineering BOM from a design BOM, and vice versa.
The syntax is in the KEY:VALUE format:

Values

```
PartType:Part,DesignType:Design
PartType:MW8_EngPart,DesignType:MW8_EngDesign
```

* X S D

Options

Search In

Keys Values

Description All

Match

Case Entire Word

Wildcard

Preferences List

Search On Keywords

Filter by category

Filter by protection scope

Name	Location
Pma0_EBOMRoot_DBOMRoot_Type	Site

[Definition](#) [Instances](#) [Category](#) [Import](#) [Export](#)

Click on the "Edit" button to modify the definition and update any field in order for the "Save" button to be enabled. Note that the "Description" field must not be empty.
Click on the "Save" button to save the definition of the existing preference.

Name	Location	Protection Scope
Pma0_EBOMRoot_DBOMRoot_Type	Site	Site

Category	Environment	Type	Multiple
General	Disabled	String	Multiple

Description

This preference defines the mapping of EBOM root type to its aligned DBOM root type.
It is used in generation and updation of Part structure from Design structure and vice-versa.
The syntax has to be in the KEY:VALUE format:

Values

EBOMRootType:Ebm0PartProduct, DBOMRootType:Design

EBOMRootType:MW8_EngPart, DBOMRootType:MW8_EngDesign

[Definition](#) | [Instances](#) | [Category](#) | [Import](#) | [Export](#)

Click on the "Edit" button to modify the definition and update any field in order for the "Save" button to be enabled. Note that the "Description" field must not be empty.
Click on the "Save" button to save the definition of the existing preference.

Name	Location	Protection Scope
Pma0_ChildItemType_RevOccType	Site	Site

Category	Environment	Type	Multiple
General	Disabled	String	Multiple

Description

The syntax has to be in the KEY:VALUE format:
ChildItemType:ValidTargetItemType,OccRevType:ValidTargetOccRevType.
e.g. ChildItemType:Part,OccRevType:Ebm0PartUsageRevision

Values

ChildItemType:Part,OccRevType:Ebm0PartUsageRevision
ChildItemType:MW8_EngPart,OccRevType:Ebm0PartUsageRevision

Definition ItemID und Object_name für die Part Erstellung
hier: IGNORE - NamingRule aus BMIDE für Part ItemID, Object_Name wird vom Design übernommen

Definition | Instances | Category | Import | Export

Click on the "Edit" button to modify the definition and update any field in order for the "Save" button to be enabled. Note that the "Description" field must not be empty. Click on the "Save" button to save the definition of the existing preference.

Name	Location	Protection Scope
Pma0_EBOM_Prefix_Suffix	Site	User

Category	Environment	Type	Multiple
General	Disabled	String	Single

Description

Specifies the value for Prefix and/or Suffix used for generating Engineering BOM from Design BOM using utility "generate_ebom_from_dbom". The Prefix and Suffix are attached to the item_id and object_name properties for the Product Type and Part Type

Name	Locati...
Pma0_EBOM_Prefix_Suffix	Site

Value

item_id:IGNORE

Konfiguration zur Erstellung der EBOM Struktur - Mehrfachangabe verschiedener Attribute möglich: hier über einen eigenen NoteType mit verknüpfter LoV

KEY:C9_Cond_Create_EBOM,VALUE:SKIP_TRAVERSE,ACTION:SkipNode,TraverseStructure|VALUE:SKIP_NOTRAVERSE,ACTION:SkipNode,SkipStructure|VALUE:PART_TRAVERSE,ACTION:TraverseNode,TraverseStructure

Definition | Instances | Category | Import | Export

Click on the "Edit" button to modify the definition and update any field in order for the "Save" button to be enabled. Note that the "Description" field must not be empty.
Click on the "Save" button to save the definition of the existing preference.

Name	Location	Protection Scope
Pma0_DBOM_skip_node_conditions	Site	User

Category	Environment	Type	Multiple
General	Disabled	String	Multiple

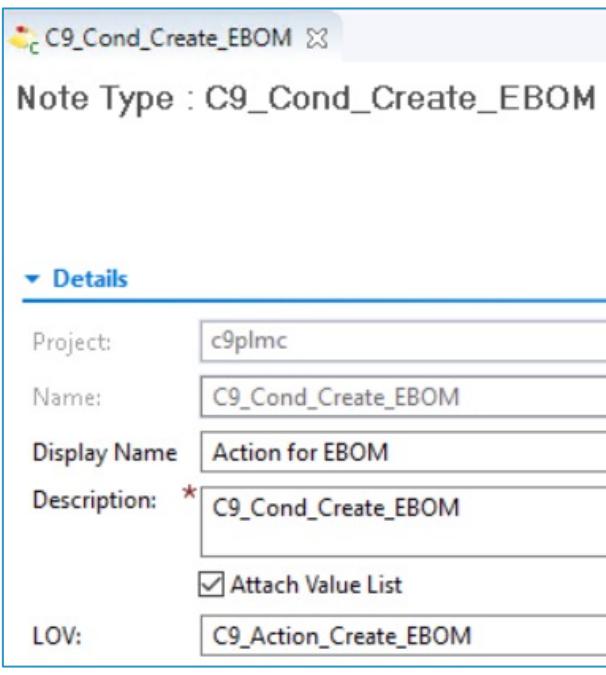
Description

Specifies the conditions to skip a certain node in the design BOM while generating the engineering BOM.
The preference contains the BOMLine properties of the design BOM along with their values and the actions to be performed for each value. The supported property types are String and Boolean.
The keyword, ACTION, governs the action to be performed on the current node and its structure. The supported values for ACTION are SkipNode, TraverseNode, SkipStructure, and TraverseStructure.

Values
KEY:bl_item_object_desc,VALUE:PhantomAssembly,ACTION:SkipNode,TraverseStructure VALUE:OnlyDesign,ACTION:SkipNode,SkipStructure VALUE:EndItem,ACTION:TraverseNode,SkipStructure
KEY:pma0IsPartRequired,VALUE:false,ACTION:SkipNode,TraverseStructure
KEY:C9_Cond_Create_EBOM,VALUE:SKIP_TRAVERSE,ACTION:SkipNode,TraverseStructure VALUE:SKIP_NOTRAVERSE,ACTION:SkipNode,SkipStructure VALUE:PART_TRAVERSE,ACTION:TraverseNode,TraverseStructure

Konfiguration zur Erstellung der EBOM Struktur – Mehrfachangabe verschiedener Attribute möglich. Hier, u.a. über einen eigenen Note Type mit verknüpfter LoV.

Note Type:



Note Type : C9_Cond_Create_EBOM

▼ Details

Project: c9plmc

Name: C9_Cond_Create_EBOM

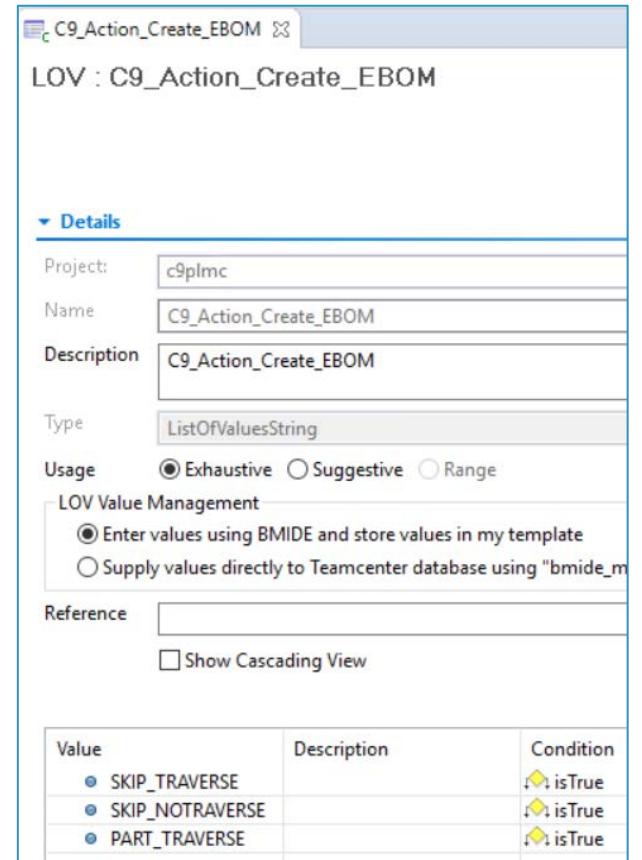
Display Name: Action for EBOM

Description: C9_Cond_Create_EBOM

Attach Value List

LOV: C9_Action_Create_EBOM

LoV:



C9_Action_Create_EBOM

LOV : C9_Action_Create_EBOM

▼ Details

Project: c9plmc

Name: C9_Action_Create_EBOM

Description: C9_Action_Create_EBOM

Type: ListOfValuesString

Usage: Exhaustive Suggestive Range

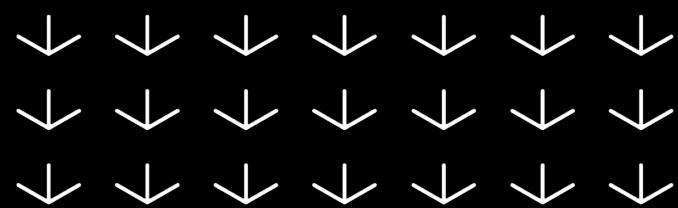
LOV Value Management

Enter values using BMIDE and store values in my template

Supply values directly to Teamcenter database using "bmide_m"

Reference: Show Cascading View

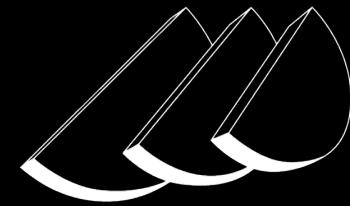
Value	Description	Condition
SKIP_TRAVERSE		\$1:isTrue
SKIP_NOTRAVERSE		\$1:isTrue
PART_TRAVERSE		\$1:isTrue



/// BEI FRAGEN FINDEN SIE UNS AM STAND 22

VIELEN DANK





DR. WALLNER ENGINEERING