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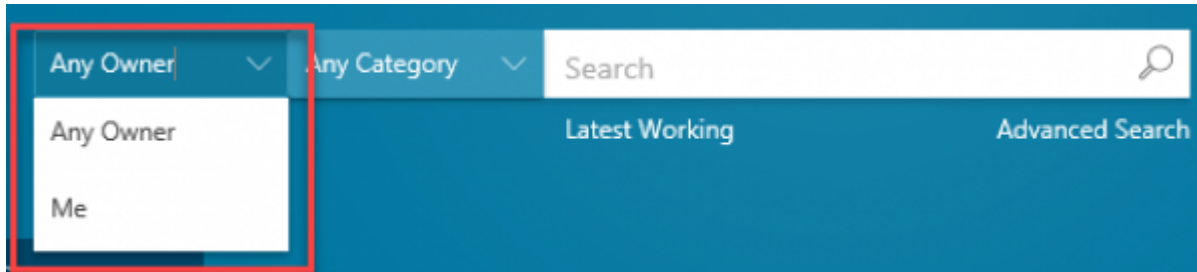
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Tc12 Basis Customizing AWC 4.x

1 Suchen in AWC (Prefilter)

1.1 AWS_SearchPreFilter_Property1

Über diese Preference wird der linke Teil des Suchfeldes konfiguriert



OOTB:

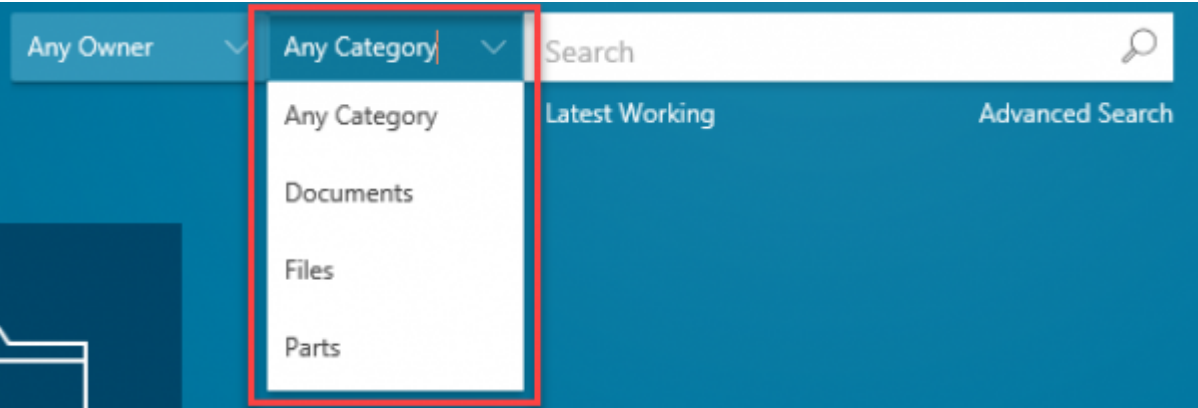
```
<preference name=„AWS_SearchPreFilter_Property1“ type=„String“
array=„true“ disabled=„false“ protectionScope=„User“ envEnabled=„false“>
  <preference_description>Contains the required information needed to
display the first PreFilter in the AWS client.
The first value should be the type name and property name in the format:
type.property e.g.
POM_application_object.owning_user
The second value onwards will be the internal values for the property e.g.
infodba</preference_description>
  <context name=„Teamcenter“>
    <value>POM_application_object.owning_user</value>
  </context>
</preference>
```

Weitere Möglichkeiten:

```
<value>POM_application_object.last_mod_date</value>
<value>$TODAY</value>
<value>$THIS_WEEK</value>
<value>$THIS_MONTH</value>
...
```

1.2 AWS_SearchPreFilter_Property2 (Auswählen: Kategorie)

Über diese Preference wird der mittlere Teil des Suchfeldes konfiguriert



1.2.1 AWS_SearchPreFilter_Property2

Die gezeigten Values in schwarz sind Standard AWC3.2
Rot markiert sind neue Kategorien. WICHTIG: erst in BMIDE mit Objekt verknüpfen, siehe nächster Punkt.

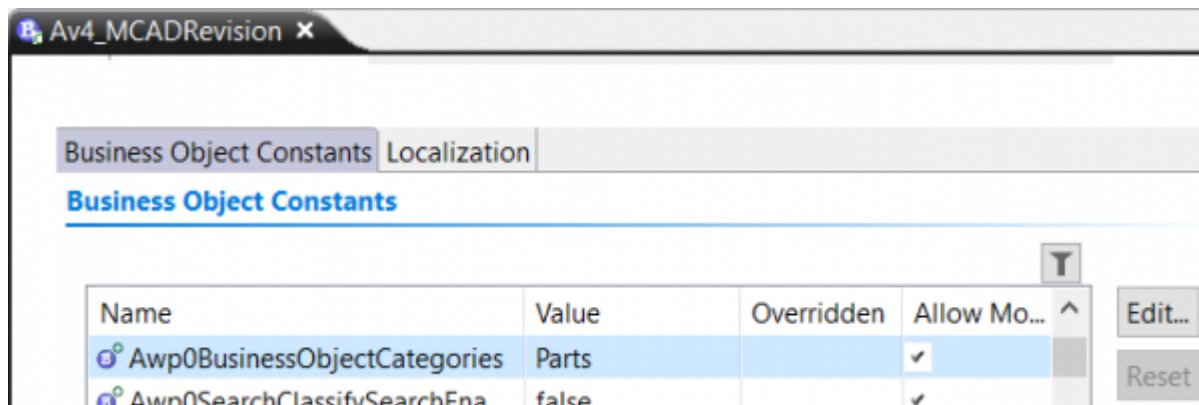
```
<preference name=„AWS_SearchPreFilter_Property2“ type=„String“
array=„true“ disabled=„false“ protectionScope=„User“ envEnabled=„false“>
  <preference_description>Contains the required information needed to
display the second pre-filter in the Search panel of the Active Workspace.
Valid values are in the format:
* The first value is the type and property internal names in the format
‘type.property’; (e.g. ‘WorkspaceObject.object_type’).
* The second value onwards is the internal values for the property (e.g.
‘ItemRevision’).</preference_description>
  <context name=„Teamcenter“>
    <value>Categorization.category</value>
    <value>Files</value>
    <value>avaBase</value>
    <value>Documents</value>          ootb: Document Item und Subtypes
(Av4_DocumentRevision)
    <value>Parts</value>             ootb: Design Item und Subtypes
(Av4_MCADRevision)
    <value>Changes</value>
    <value>Item Revision</value>
  </context>
</preference>
```

1.2.2 Objekt mit einer Kategorie verknüpfen (oder neue Kategorie)

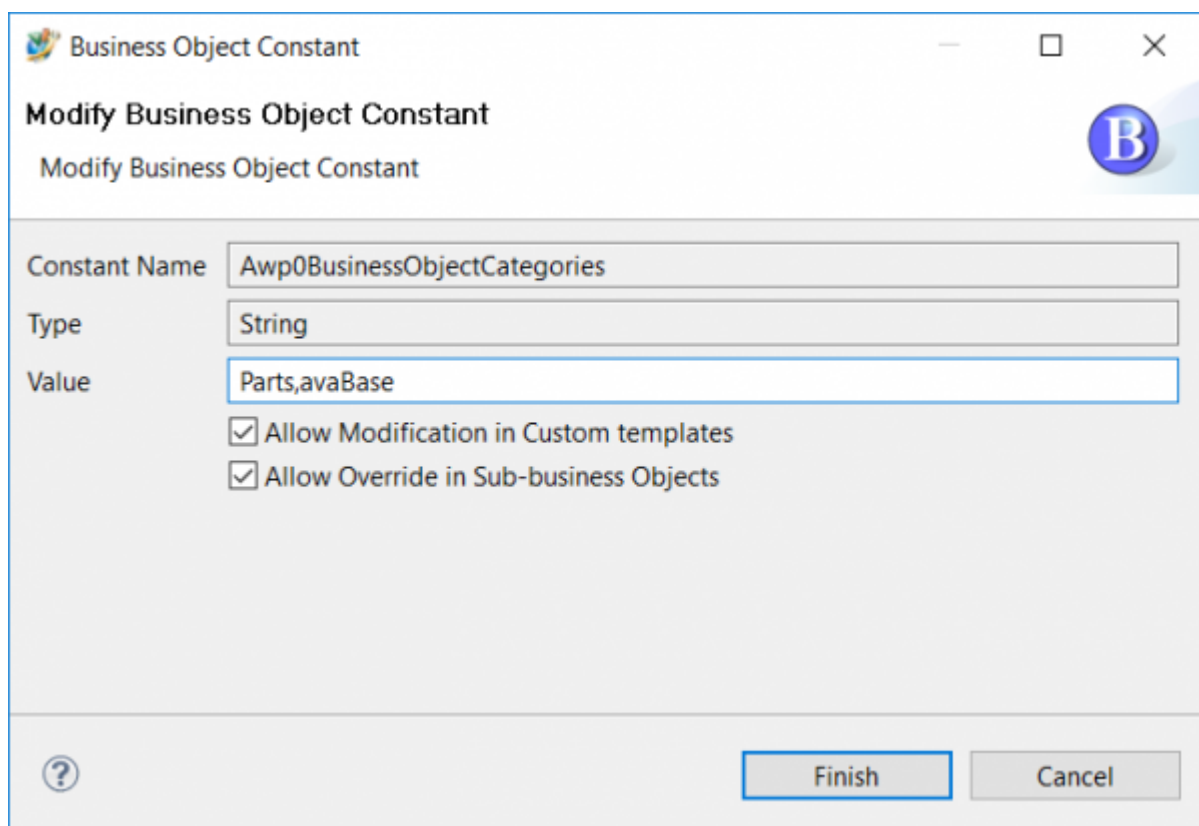
OOTB:

Files	Documents	Parts	Changes
MSExcelX MSPowerPointX MSWordX PDF Text JPEG	DocumentRevision RequirementSpec Revision	DesignRevision PartRevision	ChangeltemRevision

1.2.2.1 Variante via BMIDE: Awp0BusinessObjectCategories



z.B Bestehende Kategorie plus neue Kategorie eingeben avaBase
neue Kategorien funktionieren nur über BMIDE



Template Deployen (hot)

Dann:

TC_MENU: (wichtig z.B. Preferences werden angepasst...)

bmide_modeltool.bat -u=infodba -p=infodba -g=dba -tool=all -mode=upgrade -target_dir=%TC_DATA%

Vorschlag: (Awp0BusinessObjectCategories)

Av4_DokumentRevision	avaBase	oder Revisionen oder Parts
Av4_MCADRevision	avaBase	oder Revisionen oder Parts
Av5_DHFRevision	avaMedbase	oder Revisionen oder Documents
Av5_PhaseRevision	avaMedbase	oder Revisionen oder Documents

Av5_MilestoneRevision	avaMedbase	oder Revisionen oder Documents
Av5_RecordRevision	avaMedbase	oder Revisionen oder Documents
Av5_TFRevision	avaMedbase	oder Revisionen oder Documents
UGPART	Files	Indexierung: siehe Punkt 4
UGMASTER	Files	Indexierung: siehe Punkt 4

1.2.2.2 Variante via Preference:

Wenn man die BMIDE-Variante durchführt wird diese Preference automatisch angepasst

Another method exists for customizing categories without the need to deploy a new template or run the `bמידe_modeltool.bat` utility. Siemens PLM Software recommends extreme caution when using this method to update your site. Ensure you back up your settings before attempting this procedure.

Children of the objects categorized using this method do not automatically belong to the categories defined using this method. You must manually update each child object to change its category. Users must restart their sessions to see any changes.

1. Open the Teamcenter rich client.
2. Choose Edit→Options and locate the `AW_FullTextSearch_TypeCategories` preference. Set the Values field to the full value of all categories. For example, the File, Documents, Parts, and Changes categories default values could be set as follows:

```
Files:MSExcelX,MSPowerPointX,MSWordX,PDF,Text,JPEG
Documents:DocumentRevision,RequirementSpec Revision
Parts:DesignRevision,PartRevision
Changes:ChangeItemRevision
```

Warning

This method of changing categories may cause unexpected results. Internal names of objects are cryptic, and the Value field content is not checked for spelling or other errors.

OOTB:

```
<preference name=„AW_FullTextSearch_TypeCategories“ type=„String“
array=„true“ disabled=„false“ protectionScope=„Site“ envEnabled=„false“>
  <preference_description>Contains the list of indexed object
properties.</preference_description>
  <context name=„Teamcenter“>
    <value>Parts:Design Revision,Part Revision</value>
    <value>Documents:DocumentRevision,Specification
Revision,RequirementSpec
Revision,CPBriefRevision,CPMarketingBriefRevision,CPTHEMEBOARDRevision,NX0Rou
tingSpecRevision,CPPRODUCTROUGHRevision,EmailRevision</value>
    <value>Files:PDF,MSExcelX,JPEG,Text,MSWordX,MSPowerPointX</value>
  </context>
</preference>
```

Beispiel Avabase/avamedbase:

```
<preference name=„AW_FullTextSearch_TypeCategories“ type=„String“
array=„true“ disabled=„false“ protectionScope=„Site“ envEnabled=„false“>
  <preference_description>Contains the list of indexed object
properties.</preference_description>
  <context name=„Teamcenter“>
```

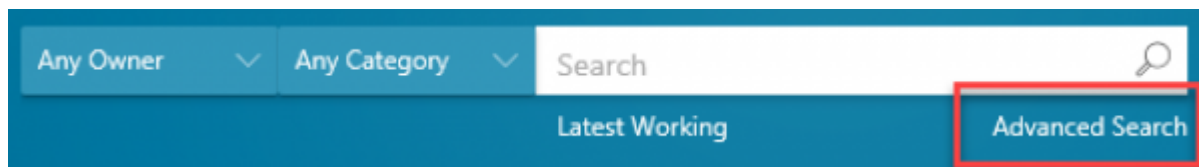
```

<value>avabase:Av4_MCADRevision,Av4_DokumentRevision</value>
<value>avamedbase:Av5_DHFRevision,Av5_PhaseRevision,Av5_MilestoneRevision,Av5_RecordRevision,Av5_TFRevision</value>
<value>Parts:Av4_MCADRevision</value>
<value>Documents:Av4_DokumentRevision,Av5_RecordRevision</value>
<value>Files:UGMASTER,UGPART,PDF,MSEXcelX,JPEG,Text,MSWordX,MSPowerPointX</value>
</context>
</preference>

```

1.3 AW_Advanced_Search_Visibility (Erweiterte Suche)

Über diese Preference wird die Auswahl **Erweiterte Suche** aktiviert



```

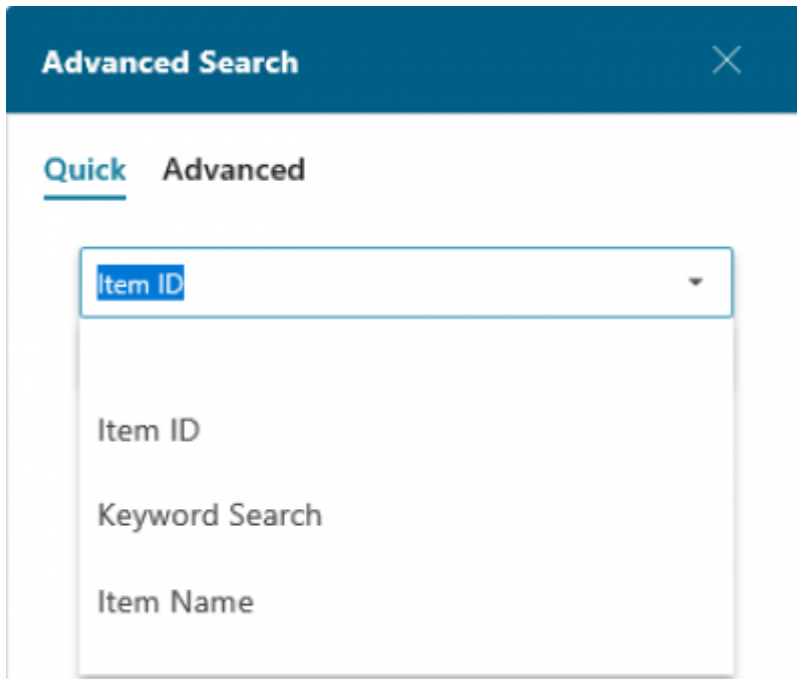
<preference name=„AW_Advanced_Search_Visibility“ type=„Logical“
array=„false“ disabled=„false“ protectionScope=„Site“ envEnabled=„false“>
  <preference_description>Disables and hides the Advanced Search tab and
  corresponding link to Advanced Search. The default value is true which will
  enable Advanced Search tab and link.</preference_description>
  <context name=„Teamcenter“>
    <value>true</value>
  </context>
</preference>

```

true ist default

2 Suchen in AWC (Erweiterte Suche, Schnellsuche (Quick))

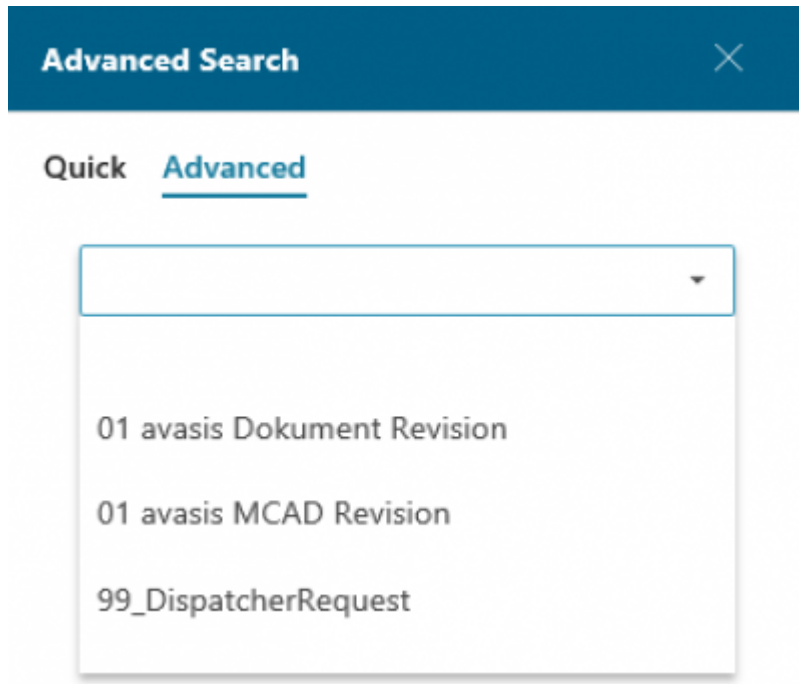




Keyword Search entfernen wenn Tc FTS nicht zusätzlich installiert wurde

```
<preference name=„Quick_Access_Queries“ type=„String“ array=„true“
disabled=„false“ protectionScope=„Site“ envEnabled=„false“>
  <preference_description>Defines the quick access queries to be displayed
in the left-hand navigator. Valid values are the internal name of queries as
defined in the qry_text_locale.xml localization
file.</preference_description>
  <context name=„Teamcenter“>
    <value>Item ID</value>
    <value>Keyword Search</value>
    <value>Item Name</value>
    <value>Dataset Name</value>
  </context>
</preference>
<preference name=„Quick_Access_Queries_Attribute“ type=„String“
array=„true“ disabled=„false“ protectionScope=„Site“ envEnabled=„false“>
  <preference_description>Defines the criteria attribute for quick access
queries.
Format should be:
“&lt;query_internal_name&gt;_SearchAttribute=&lt;L10N_key&gt;“;
where:
&lt;query_internal_name&gt;is to be replaced by the query internal name,
&lt;L10N_key&gt;is to be replaced by the user entry L10N key of the query
clause.</preference_description>
  <color blue><context name=„Teamcenter“>
    <value>Item ID_SearchAttribute=ItemID</value>
    <value>Keyword Search_SearchAttribute=Keyword</value>
    <value>Item Name_SearchAttribute=ItemName</value>
    <value>Dataset Name_SearchAttribute=DatasetName</value>
  </context>
</preference>
```

3 Suchen in AWC (Erweiterte Suche, Erweitert (Advanced))



Sortierung nur über QueryName möglich, Beispiele: (Suchen erscheinen Automatisch)

01 avasis CAD Revision

01 avasis Dokument Revision

Anzeigenamen kann im XML der Query über «language» übersteuert werden...



4 Weitere Präferenzen für Suchen

4.1 AWS_Default_Query_Operator

AND / OR

Default:

```
<preference name="AWS_Default_Query_Operator" type="String"
```

```
array=„false“ disabled=„false“ protectionScope=„Site“ envEnabled=„false“>
  <preference_description>Contains the default operator for query
expressions in the Active Workspace client. Possible values are
&quot;AND&quot; or &quot;OR&quot;.</preference_description>
  <context name=„Teamcenter“>
    <value>AND</value>
  </context>
</preference>
```

4.2 AWC_search_automatic_wildcard

0 - no wildcard

1 - asterisk as suffix (default)

2 - asterisk as prefix

3 - asterisk as suffix and prefix

Default:

```
<preference name=„AWC_search_automatic_wildcard“ type=„Integer“
array=„false“ disabled=„false“ protectionScope=„Site“ envEnabled=„false“>
  <preference_description>Controls the automatic addition of wildcard to
user search criteria.
Valid values are:
- 0: the user search criteria are not altered.
- 1: the search engine will suffix * to user values (e.g. &quot;part&quot;
will be &quot;part*&quot;).
- 2: the search engine will prefix * to user values (e.g. &quot;part&quot;
will be &quot;*part&quot;).
- 3: the search engine will prefix and suffix * to user values (e.g.
&quot;part&quot; would become &quot;*part*&quot;). This is the default value.
- any other value is considered 0.
If a user adds a wildcard as part of the search criteria, no additional
wildcard will be added in that place. This is the same for both prefix and
suffix. (e.g. &quot;part*&quot; will be
&quot;part*&quot;).</preference_description>
  <context name=„Teamcenter“>
    <value>1</value>
  </context>
</preference>
```

5 Indexing (Suche)

5.1 Typ für Indexing aktivieren (Business Object)

z.B. UGMASTER und UGPART

BMIDE

Business Object Constants: Awp0SearchIsIndexed

UGMASTER UGPART

UGII V10-GATEWAY	✓	foun...	
UGII V10-DESIGN	✓	foun...	
UGII V10-CAM	✓	foun...	

☒ COTS?

Template: foundation

Business Object Constants Localization

Business Object Constants

Name	Value	Overridden	Allow Mo...
Awp0BusinessObjectCategories	Files	✓	✓
Awp0SearchClassifySearchEnabled	false		✓
Awp0SearchIsClassifyDataIndexed	false		✓
Awp0SearchIsIndexed	false		✓
Awp0SearchRevRulesExported	false		✓
Awp0SearchUnsupportedRevRuleEn...			✓
BatchPrintProviderName	SIEMENS		✓
BatchPrintServiceName	batchprint		✓

Buttons: Edit... Reset

Auf True setzen:

Business Object Constant

Modify Business Object Constant

Modify Business Object Constant

Constant Name: Awp0SearchIsIndexed

Type: Boolean

Value: ☒ True ☐ False

☒ Allow Modification in Custom templates

☒ Allow Override in Sub-business Objects

Template Deployen (hot) und Indexing zurücksetzen

5.2 Dateibasierte Indizierung (Fulltextsearch in AWC)

OOTB ist die dateibasierte Indizierung deaktiviert. Wichtig: siehe 5.1

Zum aktivieren wird die folgende Datei bearbeitet:

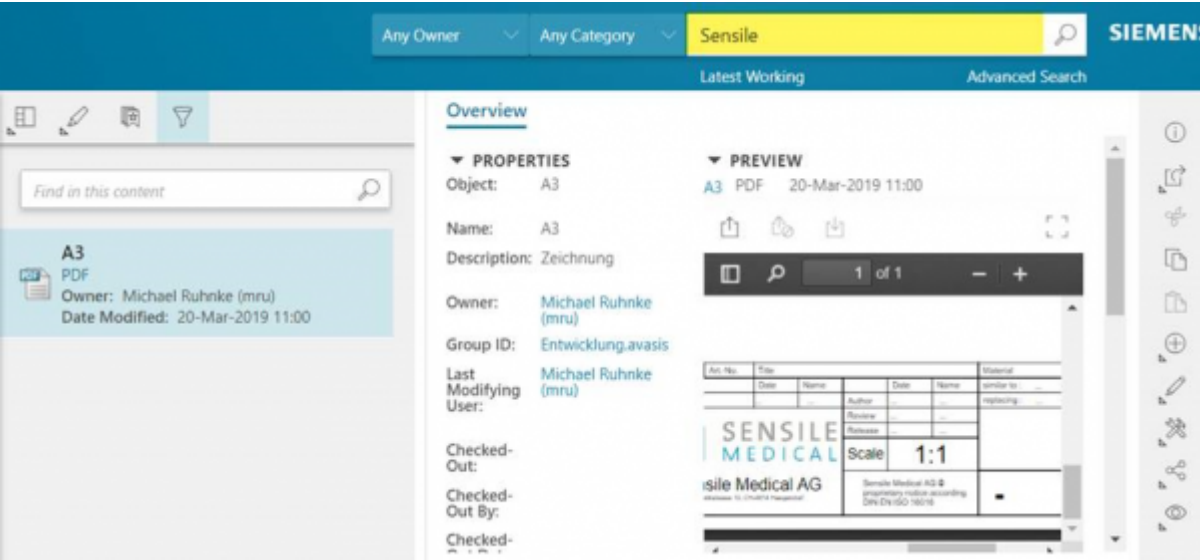
Datei: %TC_ROOT%\TcFTSIndexer\conf\TcFtsIndexer_objdata.properties Zeile 60: indexDatasetFileContent=**true** (Valid values are true or false. Default value is false.)

Speichern

Falls noch aktiv, den TcFTSIndexer beenden.

TcFTSIndexer Cache komplett löschen (option 4): C:\plm\tc12\TcFTSIndexer\bin\runTcFTSIndexer -task=objdata:clear

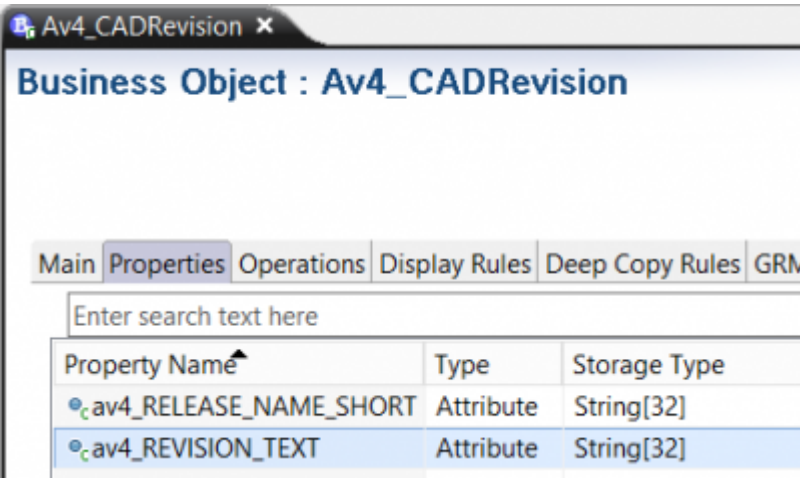
TcFTSIndexer Cache komplett neu aufbauen: C:\plm\tc12\TcFTSIndexer\bin\runTcFTSIndexer -task=objdata:index



5.3 Attribut für Indexing aktivieren (Property)

Beispiel String Attribut: av4_REVISION_TEXT

- Awp0SearchIsIndexed =true
- Awp0SearchCanFilter =true
- Awp0SearchFilterPriority =170 Gruppierung nach oberster Priorität



wird

Property Constants Naming Rule Attaches LOV Attaches P

Property Constants of av4_REVISION_TEXT

Name	Value
Awp0SearchCanFilter	true
Awp0SearchFilterPriority	170
Awp0SearchIsIndexed	true

Beispiel Array[TypedReference]: av4_PRODUCTLIST

- Awp0SearchIsIndexed =true
- Awp0SearchCanFilter =true
- Awp0SearchFilterPriority =170 Gruppierung nach oberster Priorität
- Awp0SearchPropFromRefType =object_name, awp0Item_item_id
- (Awp0SearchRefTypeNames =Av4_ProductRevision)

Name	Value
Awp0SearchCanFilter	true
Awp0SearchFilterPriority	118
Awp0SearchIsIndexed	true
Awp0SearchIsStored	false
Awp0SearchPropFromRefType	object_name, awp0Item_item_id

Av4_CADRevision x

Business Object : Av4_CADRevision

Main Properties Operations Display Rules Deep Copy Rules GRN

Enter search text here

Property Name	Type	Storage Type
av4_RELEASE_NAME_SHORT	Attribute	String[32]
av4_REVISION_TEXT	Attribute	String[32]

Property Constants Naming Rule Attaches LOV Attaches P

Property Constants of av4_REVISION_TEXT

Name	Value
Awp0SearchCanFilter	false
Awp0SearchFilterPriority	
Awp0SearchIsIndexed	false

wird

Property Constants Naming Rule Attaches LOV Attaches P

Property Constants of av4_REVISION_TEXT

Name	Value
Awp0SearchCanFilter	true
Awp0SearchFilterPriority	170
Awp0SearchIsIndexed	true

Template Deployen (hot) und Indexing zurücksetzen

Awp0SearchFilterPriority

Indicates the priority of the property that determines its order in the list of filters displayed in the client - the lower the value, the higher the priority. This means that the filter is positioned higher in the list of filters shown in the filters panel. Siemens PLM Software recommends that you assign values from a range in order to accommodate additional properties in the future. For example, assign

priorities such as 100, 200, and 300, instead of 1, 2, and 3.

Bei einer Suche nach einer Eigenschaft kann der Anwender in AW 4.1 nun den lokalisierten Anzeigenamen für eine globale Suche nutzen. Also:

Suche nach einem Wert in av4_MATERIAL=	Material:Edelstahl
Suche nach einem Wert in av4_WEIGHT=	Gewicht:1.2 (German AW) Weight:1.2 (English AW)
Suche nach einem Wert in av4_REVISION_TEXT „Revision Text“:	Initiale (für eine Suche nach dem Wert „Initiale Erstellung“)

IMHO müssen wir darauf achten die **Eigenschaftsindexierung am Ursprungs-Business Objekt** zu definieren und nicht an den abgeleiteten Business Objekten. Auch die Nummern der Filter-Priorisierung scheinen bei „ungünstigen“ Werten nicht zu funktionieren. (Vorher hat das Material und Gewicht im 180er Filter-Bereich nicht funktioniert)

Property	Business Object	Awp0SearchFilterPriority
av4_APPROVAL_DATE	Av4_avaDesignRevision bzw. Av4_avaDocumentRevision	110
av4_APPROVER_NAME	Av4_avaDesignRevision bzw. Av4_avaDocumentRevision	111
av4_APPROVER_NAME_SHORT	Av4_avaDesignRevision bzw. Av4_avaDocumentRevision	112
av4_REVIEW_DATE	Av4_avaDesignRevision bzw. Av4_avaDocumentRevision	113
av4_REVIEW_NAME	Av4_avaDesignRevision bzw. Av4_avaDocumentRevision	114
av4_REVIEW_NAME_SHORT	Av4_avaDesignRevision bzw. Av4_avaDocumentRevision	115
av4_REVISION_TEXT	Av4_avaDesignRevision bzw. Av4_avaDocumentRevision	116
av4_OFFICE_TEMPLATE	Av4_DocumentRevision	120
av4_MATERIAL	Av4_MCADRevision	120
av4_WEIGHT	Av4_MCADRevision	121

Search **Results** Saved Advanced

1 results found for "Weight:1.2" Category: avaBase (X) Type:

Filters X

- Type
 - ✓ MCAD Revision (1)
- Approval date

DD-MMM-YYYY  - DD-MMM-YYYY 

 Unassigned (1)
- Approver
 - Unassigned (1)
- Approver short
 - Unassigned (1)
- Review date

DD-MMM-YYYY  - DD-MMM-YYYY 

 Unassigned (1)
- Reviewer
 - Unassigned (1)
- Reviewer short
 - Unassigned (1)
- Revision Text
 - Initiale Erstellung (1)
- Material
 - Kupfer (1)
- Weight
 - 1.2 (1)

OOTB Werte (Richtlinie)

object_type	100
awb0UnderlyingObjectType	100
priority	175
fnd0state	175
start_date	180
fnd0status	180
priority	185
finish_date	190
start_date	190
complete_percent	196

task_type	197
owning_user	200
awb0ArchetypeRevOwningUser	200
owning_user	200
owning_group	201
awb0ArchetypeRevOwningGroup	201
release_status_list	300
awb0ArchTypeRevRelStatNames	300
date_released	301
last_mod_user	400
awb0ArchetypeRevLastModUser	400
last_mod_date	401
awb0ArchetypeRevLastModDate	401
project_list	500
gov_classification	600
ip_classification	601
fnd0InProcess	700
s2clRatingValue	1000
s2clIsBestAnswer	2000
s2clIsOpen	2000
s2clTotalCommentsFmSy	2001
s2clAverageRatingFmSy	2002
s2clTotalRatingsFromSummary	2003
...	

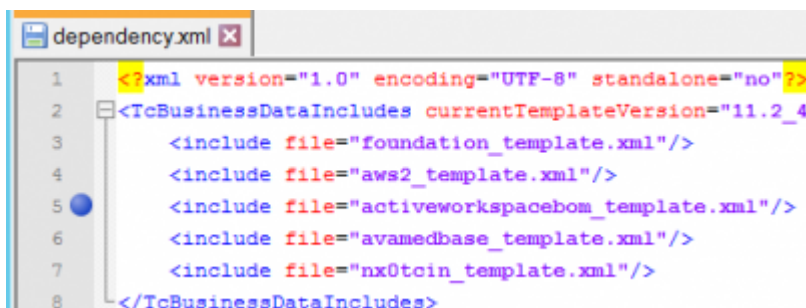
5.4 RevisionsTyp für StructureIndexing und Anzeige Content Tab aktivieren

Diese Anpassung ist auch zur Darstellung von Stücklisten in AWC Notwendig

Specifies the business objects that can have a structure under it. If you want to display a custom business object in the **Content** tab, add the custom business object to this constant. This constant is added by the Active Content Structure template (**activeworkspacebom**).

BMIDE:

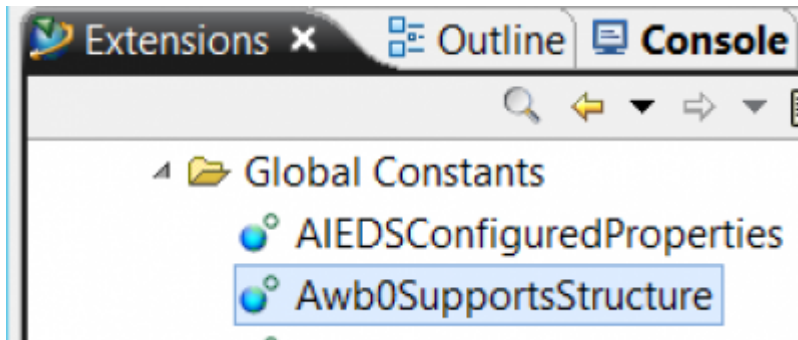
In dependency.xml



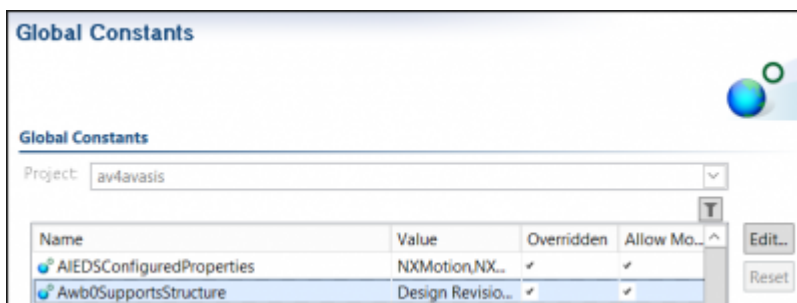
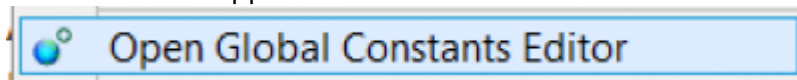
```

1  <?xml version="1.0" encoding="UTF-8" standalone="no"?>
2  <TcBusinessDataIncludes currentTemplateVersion="11.2_4"
3    <include file="foundation_template.xml"/>
4    <include file="aws2_template.xml"/>
5    <include file="activeworkspacebom_template.xml"/>
6    <include file="avamedbase_template.xml"/>
7    <include file="nx0toin_template.xml"/>
8  </TcBusinessDataIncludes>

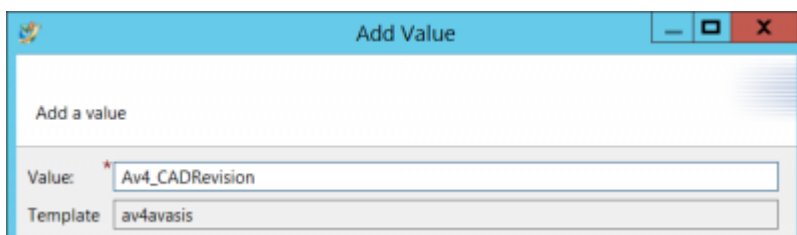
```



RMB auf Awb0SupportsStructure



Edit



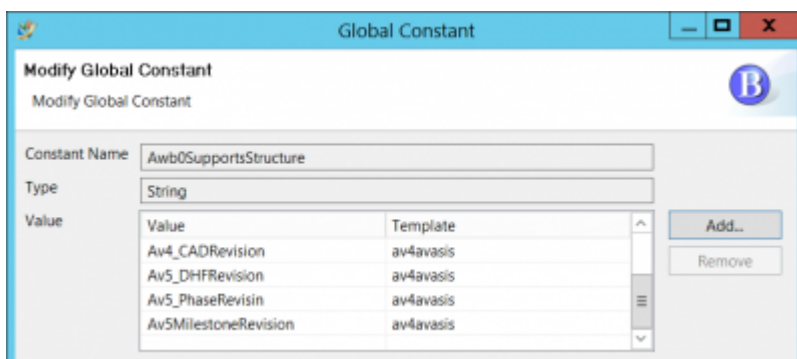
z.B. (alle Typen die eine Struktur haben können)

Av4_MCADRevision

Av5_DHFRevision

Av5_PhaseRevision

Av5_MilestoneRevision



Hotdeploy...

6 Icons für Custom Typen

Beispiel Nomenklatur für MCAD Item:

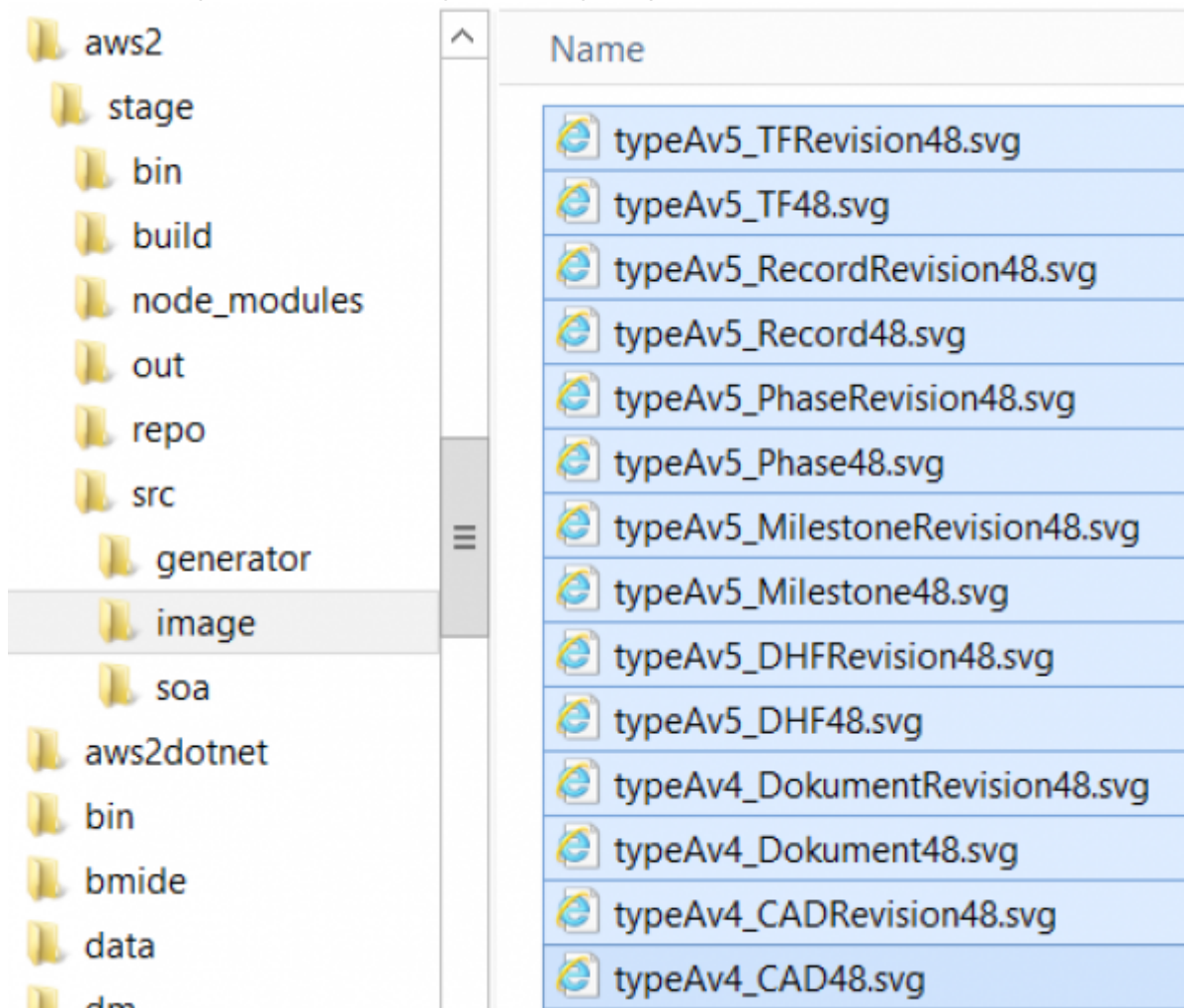
typeAv4_MCAD48.svg



typeAv4_MCADRevision48.svg



Icons nach: c:\plm\tc12\aws2\stage\src\image kopieren



Tc-menu starten

Cd C:\plm\tc12\aws2\stage

Gwtcompile...

```

Administrator: prod_tc_prod Command Prompt

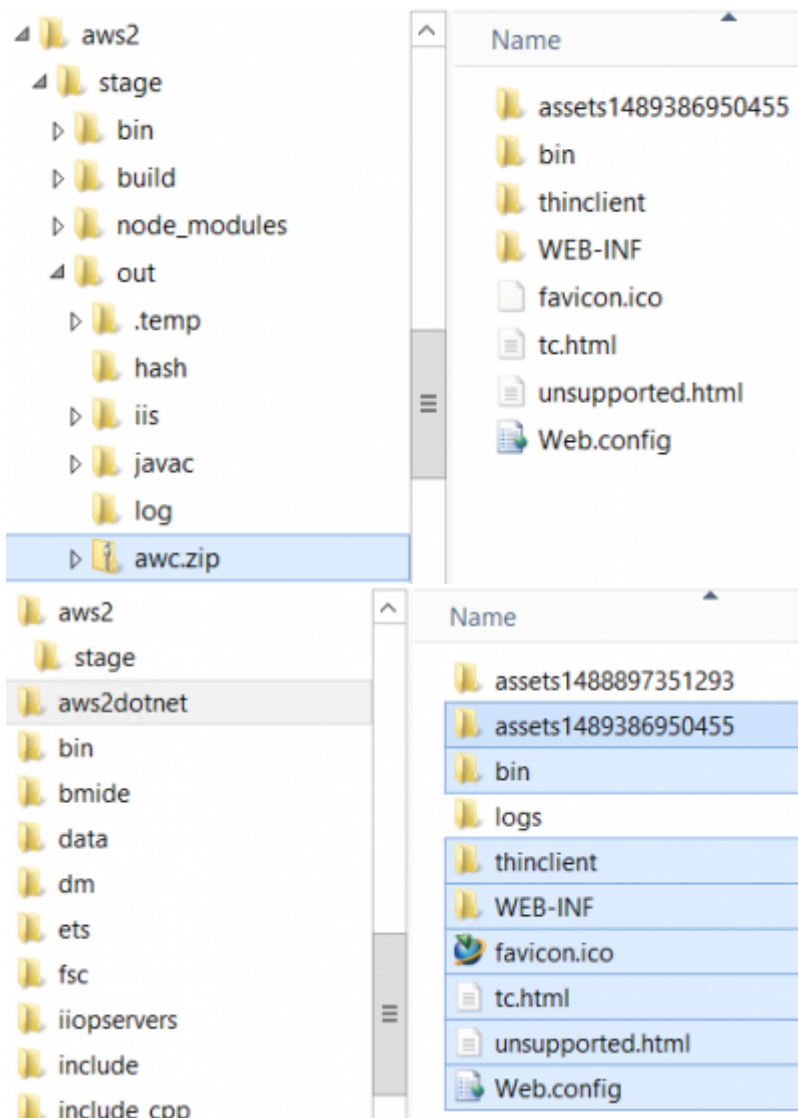
C:/plm/TC112/aws2/stage/out/iis/assets1489386950455/js/breadcrumbChevronDataProvid
C:/plm/TC112/aws2/stage/out/iis/assets1489386950455/js/aw.breadcrumb.controller.js
C:/plm/TC112/aws2/stage/out/iis/assets1489386950455/js/aw-tab-container.controller
C:/plm/TC112/aws2/stage/out/iis/assets1489386950455/js/aw-tab-container.directive.
C:/plm/TC112/aws2/stage/out/iis/assets1489386950455/js/aw-tab.controller.js
C:/plm/TC112/aws2/stage/out/iis/assets1489386950455/js/aw-tab.directive.js
C:/plm/TC112/aws2/stage/out/iis/assets1489386950455/js/NgTab.js
C:/plm/TC112/aws2/stage/out/iis/assets1489386950455/js/awDataProviderUtils.js
C:/plm/TC112/aws2/stage/out/iis/assets1489386950455/js/aw.compare.controller.js
C:/plm/TC112/aws2/stage/out/iis/assets1489386950455/js/awDirectiveCompareUtils.js
C:/plm/TC112/aws2/stage/out/iis/assets1489386950455/js/aw.table.container.controll
C:/plm/TC112/aws2/stage/out/iis/assets1489386950455/js/aw-drag.directive.js
C:/plm/TC112/aws2/stage/out/iis/assets1489386950455/js/awDirectiveTableContainerUt
C:/plm/TC112/aws2/stage/out/iis/assets1489386950455/js/visible-when.directive.js
C:/plm/TC112/aws2/stage/out/iis/assets1489386950455/js/xrtViewModelUtils.js

[07:39:12] Finished 'gwtCompile' after 3.35 min
[07:39:12] Starting 'buildDeployment'...
[07:39:15] gulpfile: Successfully built C:/plm/TC112/aws2/stage/out/awc.zip
[07:39:15] Finished 'buildDeployment' after 3.13 s
[07:39:15] Starting 'default'...
[07:39:15] Finished 'default' after 12 µs

C:\plm\TC112\aws2\stage>

```

C:\plm\TC112\aws2\stage\out\awc.zip oder awc.war deployen...



Altes assets...-Verzeichnis weglöschen

7 XMLRenderingStyleSheet's für Custom Typen

Import wird über 00_init_Tc11.2_avabase\stylesheets, stylesheets.bat gesteuert oder direkt im BMIDE-Tempalte

Wenn im RAC ein Stylesheet erstellt wird **muss** jeweils ein entsprechendes für den AWC definiert werden da sonst das RAC-Stylesheet verwendet wird und so Fehlermeldungen angezeigt werden oder Funktionen nicht mehr gehen (create Item...).

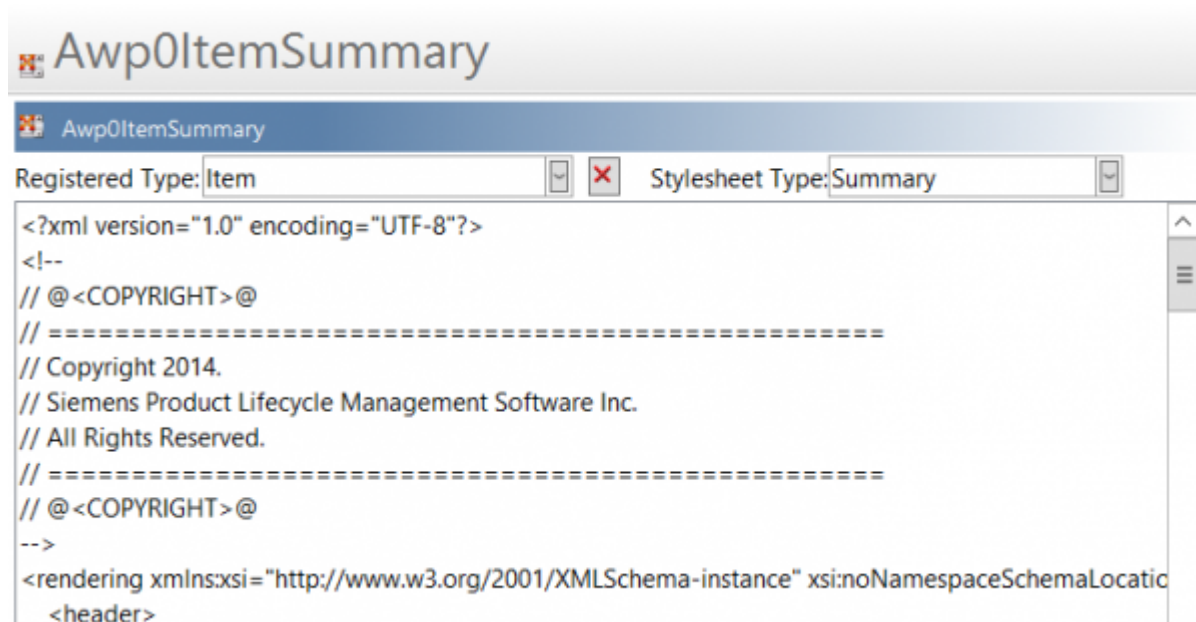
Beispiele:

Es konnten keine anzeigbaren Daten gefunden werden. Wenn das Objekt jedoch Datasets enthält, prüfen Sie bitte die Konfiguration der folgenden Voreinstellungen, um ihre Darstellung zu aktivieren: VMU_Datasets, VMU_SecondaryDatasets, VMU_FileSearchOrder.

Erstellungsfehler
Failed to parse:

7.1 ItemSummary Stylesheet

Als Grundlage verwenden: **Awp0ItemSummary** oder **Awp0PartSummary**



Für jeden Kundenspezifischen Typ auf Basis des Awp0ItemSummary ein eigenes XML erstellen und die entsprechenden Attribute einpflegen:

Beispiele:

Awp0Av4_MCADSummary.xml

Awp0Av4_DokumentSummary.xml

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <!--
3  // @<COPYRIGHT>@
4  // =====
5  // Copyright 2014.
6  // Siemens Product Lifecycle Management Software Inc.
7  // All Rights Reserved.
8  // =====
9  // @<COPYRIGHT>@
10 <!-->
11 <rendering xmlns:xsi="http://www.w3.org/2001/XMLSchema-
12 <header>

```

Präferenz erstellen:

Rot Markiert entspricht Typ

Grün Markiert entspricht Stylesheet Name

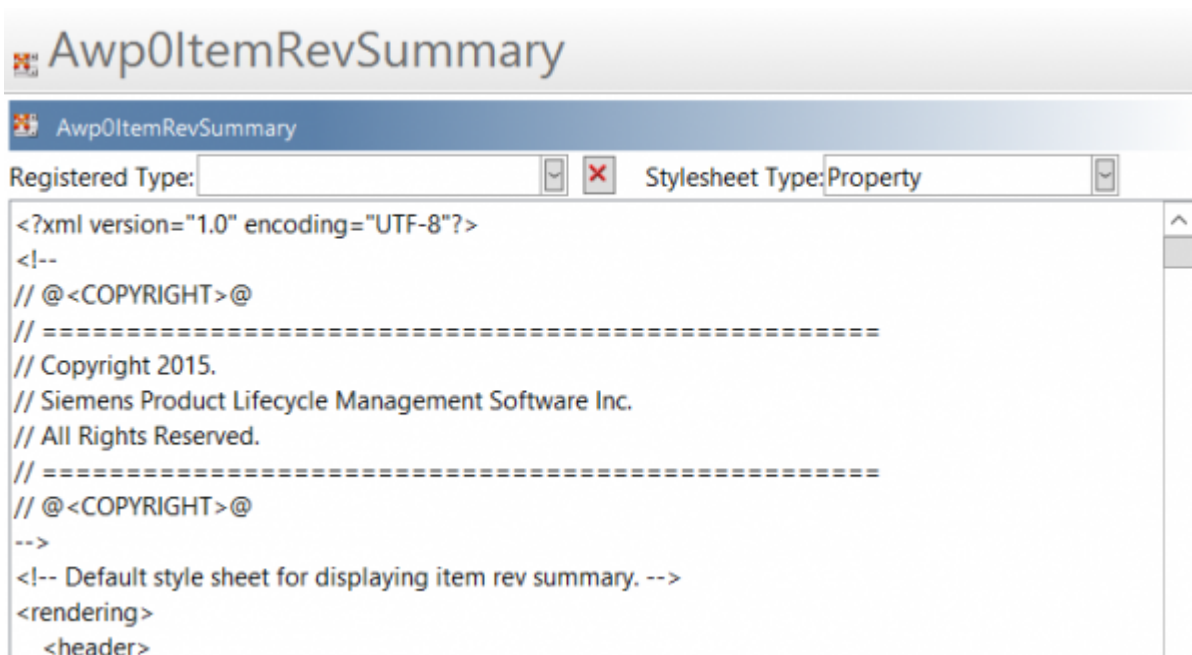
```

<preference name=„AWC_Av4_MCAD.SUMMARYRENDERING“ type=„String“
array=„false“ disabled=„false“ protectionScope=„User“ envEnabled=„false“>
  <preference_description>Description not provided during
import.</preference_description>
  <context name=„Teamcenter“>
    <value>Awp0Av4_MCADSummary</value>
  </context>
</preference>

```

7.2 ItemRevSummary Stylesheet

Als Grundlage verwenden: Awp0ItemRevSummary oder Awp0PartRevisionSummary



Für jeden Kundenspezifischen Typ auf Basis des Awp0ItemRevSummary ein eigenes XML erstellen und die entsprechenden Attribute einpflegen:

Beispiele:

Awp0Av4_MCADRevSummary.xml

Awp0Av4_DokumentRevSummary.xml

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <!--
3  // @<COPYRIGHT>@
4  // =====
5  // Copyright 2015.
6  // Siemens Product Lifecycle Management Software Inc.
7  // All Rights Reserved.
8  // =====
9  // @<COPYRIGHT>@
10 -->
11 <!-- Default style sheet for displaying MCAD rev summary. -->
12 <rendering>

```

...titleKey funktioniert so (sollte genauer untersucht werden...)

<page titleKey=„Kunde“>

```

55     <command actionKey="reviseAction" commandId="com.teamcenter.rac.revise"/>
56   </view>
57 </column>
58 </page>
59 <page titleKey="Kunde" title="Kunde">
60   <column>
61     <section text="avasisProperties" title="avasis Properties">
62       <separator/>
63       <property name="av4_REVISION_TEXT"/>
64       <separator/>
65       <label text="Unterschriften"/>
66       <property name="av4_CREATE_NAME"/>
67       <property name="item.creation_date"/>
68       <property name="av4_CREATE_REV_NAME"/>
69       <property name="creation_date"/>
70       <property name="av4_CHECK_NAME"/>
71       <property name="av4_CHECK_DATE"/>
72       <property name="av4_RELEASE_NAME"/>
73       <property name="av4_RELEASE_DATE"/>
74     </section>
75   </column>
76 </page>

```

```

39   <property name="fnd0CurrentLocationCode"/>
40   <property name="REF(items_tag,CommercialPart).fnd0OriginalLocat
41   <br/>
42   <inject type="dataset" src="ScilAv4_STDPartRevSummary"/>
43   <command commandId="com.teamcenter.rac.properties" titleKey="tc

```

Präferenzen erstellen:

Rot Markiert entspricht Typ

Grün Markiert entspricht Stylesheet Name

```

<preference name="AWC_Av4_MCADRevision.SUMMARYRENDERING" type="String"
array="false" disabled="false" protectionScope="User" envEnabled="false">

```

```

    <preference_description>Description not provided during
import.</preference_description>
    <context name=„Teamcenter“>
        <value>Awp0Av4_MCADRevSummary</value>
    </context>
</preference>

<preference
name=„AWC_Av4_MCADRevision.showObjectLocation.OccurrenceManagementSubLocation
.SUMMARYRENDERING“ type=„String“ array=„false“ disabled=„false“
protectionScope=„User“ envEnabled=„false“>
    <preference_description>Registration of summary stylesheet for Part
Revision for ShowObject Location and OccurrenceManagement
SubLocation.</preference_description>
    <context name=„Teamcenter“>
        <value>Awp0Av4_MCADRevSummary</value>
    </context>
</preference>

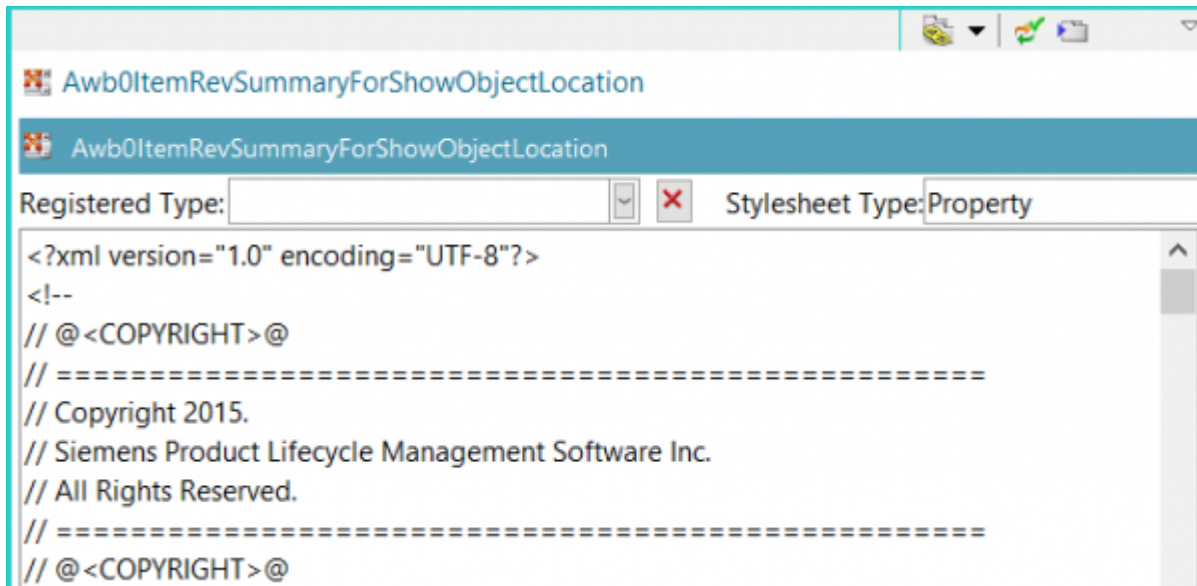
<preference
name=„AWC_Av4_MCADRevision.showObjectLocation.objectNavigationSubLocation.SUM
MARYRENDERING“ type=„String“ array=„false“ disabled=„false“
protectionScope=„User“ envEnabled=„false“>
    <preference_description>Registration of summary stylesheet for Part
Revision for ShowObject Location and Navigate
SubLocation.</preference_description>
    <context name=„Teamcenter“>
        <value>Awp0Av4_MCADRevSummary</value>
    </context>
</preference>

```

7.3 ItemRevSummaryForShowObjectLocation Stylesheet

Als Grundlage verwenden: **Awb0ItemRevSummaryForShowObjectLocation** oder **Awp0PartRevisionSummaryForShowObjectLocation**

Dieses Stylesheet ist für die Anzeige von Stücklisten unumgänglich!!!!

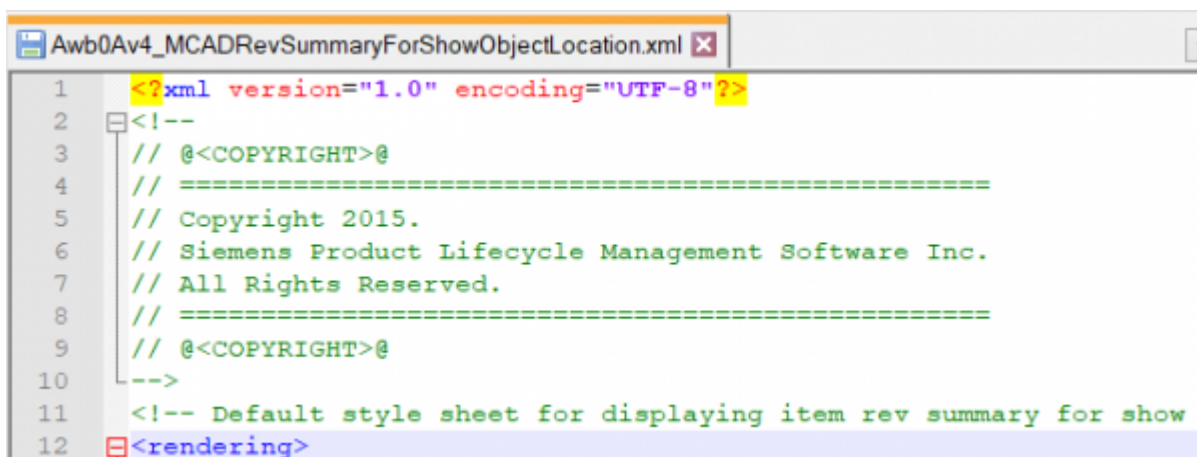


Für jeden Kundenspezifischen Typ auf Basis des Awb0ItemRevSummaryForShowObjectLocation ein eigenes XML erstellen und die entsprechenden Attribute einpflegen:

Beispiele:

Awb0Av4_MCADRevSummaryForShowObjectLocation.xml

Awb0Av4_DokumentRevSummaryForShowObjectLocation.xml



The top image shows an XML editor with the following code snippet:

```

93      </objectSet>
94    </section>
95  </page>
96  <page titleKey="Condair" visibleWhen="structure_revisions==null">
97    <column>
98      <section title="Condair Properties">
99        <break/>
100        <property name="av4_SUBTITLE"/>
101        <property name="av4_CHANGED_BY"/>
102        <property name="av4_MATERIAL"/>
103        <property name="av4_WEIGHT"/>
104        <property name="av4_STD_PRICE"/>
105        <property name="av4_PROCURE_TYPE"/>
106        <property name="av4_PRODUCT"/>
107        <property name="av4_PROJECT"/>
108        <property name="av4_CLASSIFICATION"/>
109        <property name="av4_STEP_CREATION"/>
110        <property name="av4_DXF_CREATION"/>
111      </section>
112    </column>
113  </page>
114  <inject type="dataset" src="Awb0ContentTab"/>

```

The bottom image shows a software interface for '2000015-A.01-Baugruppe historie' with a 'Condair' tab selected. The 'CONDAIR PROPERTIES' section is expanded, showing fields for Subtitle, Changer, Material, Weight, STD Price, Procurement type, Product, Project, and Classification. A red arrow points to the 'CONDAIR PROPERTIES' header.

Markierte Zeile anpassen (wenn vorhanden)

The XML editor shows the following code snippet:

```

40    <property name="REF(items_tag,CommercialPart).fnd0OriginalLoc
41    <break/>
42    <inject type="dataset" src="ScilAv4_MCADPartRevSummary"/>
43    <command commandId="com.teamcenter.rac.properties" titleKey="

```

A red arrow points to the line: `<inject type="dataset" src="ScilAv4_MCADPartRevSummary"/>`

Präferenz erstellen:

Rot Markiert entspricht Typ

Grün Markiert entspricht Stylesheet Name

<preference
name=„AWC_**Av4_MCADRevision**.showObjectLocation.SUMMARYRENDERING“ type=„String“

```
array=„false“ disabled=„false“ protectionScope=„User“ envEnabled=„false“>
  <preference_description>Registration of summary stylesheet for Item
Revision for ShowObject Location.</preference_description>
  <context name=„Teamcenter“>
    <value>Awb0Av4_MCADRevSummaryForShowObjectLocation</value>
  </context>
</preference>
```

7.4 ItemCreate Stylesheet

Besser BMIDE: Operation Descriptor, CreateInput verwenden

Als Grundlage verwenden: Awp0ItemCreate

Für jeden Kundenspezifischen Typ auf Basis des Awp0ItemCreate ein eigenes XML erstellen und die entsprechenden Attribute einpflegen:

Beispiele:

Awp0Av5_RecordCreate.xml

...

Präferenz erstellen:

Rot Markiert entspricht Typ

Grün Markiert entspricht Stylesheet Name

```
<preference name=„AWC_Av4_Document.CREATERENDERING“ type=„String“ array=„false“
disabled=„false“ protectionScope=„User“ envEnabled=„false“>

  <preference_description>Description not provided during import.</preference_description>

  <context name=„Teamcenter“>

    <value>Awp0Av4_DocumentCreate</value>

  </context>

</preference>
```

7.5 visibleWhen

Help: ..., Administration, XRT element reference, property

Defines the conditional display of a property based on one of two types of expressions comparing a property or preference to a value. The value can be **null** or a string, including a string containing wildcard characters. Multiple values can be checked with an array property or preference. When checking an array value, use a comma as a delimiter for the values. The two types of expressions check the following:

1. The value of a property on the selected object

```
<property name=„p1“ visibleWhen=„<Property name>==<Some value>“/>
```

```
<property name=„p1“ visibleWhen=„<Property name>!=<Some value>“/>
```

```
<property name=„p1“ visibleWhen=„<Property name>==null“/>
```

```
<property name=„p1“ visibleWhen=„<Property name>!=null“/>
```

2. The value of a Teamcenter preference

```
<property name=„p1“ visibleWhen=„{pref:<Preference name>}==<Some value>“/>
```

```
<property name=„p1“ visibleWhen=„{pref:<preference name>}!=<Some value>“/>
```

* To check the value of a property on the selected object, use the real (database) name of the property in the expression.

If you want to show a „**myprop**“ property only if the **object_desc** property begins with the word **Testing** , use the following:

```
<property name=„myprop“ visibleWhen=„object_desc==Testing*“/>
```

* To check the value of a Teamcenter preference, use **{pref:preference-name}** to differentiate it from a property-based expression. Following are some examples:

Display a property when the **Cust_Enable_MyProp** preference is set to **true** .

```
<property name=„myprop“ visibleWhen=„{pref:Cust_Enable_MyProp}==true“>
```

Note	Using visibleWhen for properties is only for use in SWT-based style sheet views in the rich client. For example, Summary (when checked out), Create , and SaveAs . It will only work with SWT-based property beans, and will not work with Swing-based property beans. In the current implementation of SWT styles aheet rendering in the Summary view, a plain Label instead of a LabelPropertyBean is used to display property values in read-only mode (RenderFlat). Since the visibleWhen framework implementation is based on AbstractPropertyBeans and its children, the visibleWhen feature will not be available in the Summary view in read-only mode. It will only be available when the object is checked-out.
------	---

7.6 Zum XRTEditor

Zum einfachen Editieren der Stylesheets kann der XRTEditor verwendet werden (nur infodba).

Dazu müssen die Stylesheets aber im System erfasst sein.

8 NX Integration

Gemäss Configuration.pdf

Problem mit NX12:

PR 9061464

NX12 does not start from Active Workspace 3.4

Solution

Siemens PLM believes that the problem you reported where NX12 does not start from Active Workspace 3.4 will be resolved by code changes made to the release of our product version AW4.0

8.1 ActiveWorkspaceHosting.NX.URL

URL entsprechend anpassen... (zum deaktivieren einfach Präferenz wieder löschen)

Kann auch Gruppenspezifisch eingerichtet werden)

```
<preference name=„ActiveWorkspaceHosting.NX.URL“ type=„String“ array=„false“  
disabled=„false“ protectionScope=„Site“ envEnabled=„false“>
```

```
<preference_description>Specifies the URL used by Teamcenter Integration for NX to
```

communicate with Active Workspace for hosted operations such as search, open item, and others. This preference is evaluated before ActiveWorkspaceHosting.URL, which takes precedence.</preference_description>

```
<context name=„Teamcenter“>
```

```
<value>http://avademol7:7070/awc/</value>
```

```
</context>
```

```
</preference>
```

8.2 AWC_NX_AddComponentSupportedTypes ????????????????

```
<preference name=„AWC_NX_AddComponentSupportedTypes“ type=„String“ array=„true“
disabled=„false“ protectionScope=„Site“ envEnabled=„false“>
```

```
<preference_description>Enables the specified object types to be added as a component in
Teamcenter
```

Integration for NX when selected in Active Workspace. Only Item, ItemRevision, and dataset types and subtypes are supported.

Add the values as applicable to your site from the available types provided out-of-the-box. You can also add additional object types in accordance with the requirements at your site.

The following values are available out of the box:

- Item
- ItemRevision
- UGMASTER
- UGALTREP
- DirectModel</preference_description>

```
<context name=„Teamcenter“>
```

```
<value>Item</value>
```

```
<value>ItemRevision</value>
```

```
<value>UGMASTER</value>
```

```
<value>UGALTREP</value>
```

```
<value>DirectModel</value>
```

```
</context>
```

```
</preference>
```

8.3 AWC_NX_OpenSupportedTypes

????????????????????

```
<preference name=„AWC_NX_OpenSupportedTypes“ type=„String“ array=„true“ disabled=„false“
protectionScope=„Site“ envEnabled=„false“>
```

```
<preference_description>Enables the specified object types to be opened in Teamcenter
Integration for NX
```

when selected in Active Workspace. Only Item, ItemRevision, and dataset types and subtypes are supported.

Add the values as applicable to your site from the available types provided out-of-the-box (OOTB). You can also add additional object types in accordance with the requirements at your site.

The following values are available out of the box:

- Item
- ItemRevision
- UGMASTER
- UGALTREP
- DirectModel
- UGPART
- CAEGeom
- CAEMesh
- CAESolution
- NXMotion</preference_description>

```
<context name=„Teamcenter“>
```

```
<value>Item</value>
```

```
<value>ItemRevision</value>  
  
<value>UGMASTER</value>  
  
<value>UGALTREP</value>  
  
<value>DirectModel</value>  
  
<value>UGPART</value>  
  
<value>CAEGeom</value>  
  
<value>CAEMesh</value>  
  
<value>CAESolution</value>  
  
<value>NXMotion</value>
```

```
</context>
```

```
</preference>
```

8.4 NX aus AWC starten

Damit NX aus AWC gestartet werden kann muss auf dem Client Java installiert sein. Am besten gleich wie bei den TC-Clients

C:\plm\java\jre8

Zusätzlich muss die UmgebungsvARIABLE JAVA_HOME mit dem entsprechenden Verzeichnis definiert werden.

8.5 Den Teamcenter Navigator für immer Sichtbar machen

PROBLEM:

When running embedded Active Workspace inside NX, the Teamcenter Navigator is disabled. Teamcenter Navigator should be enabled at all times, whether embedded Active Workspace is enabled or not.

REMEDY:

To enable Teamcenter Navigator set the environment variable, UGII_ENABLE_TC_NAVIGATOR=1

Beginning with NX 12.0.1 this action will no longer be required.

However, you can still use the environment variable to disable Teamcenter Navigator by setting the environment variable, UGII_ENABLE_TC_NAVIGATOR = 0

9 Office Integration

Gemäss Configuration.pdf

9.1 ActiveWorkspaceHosting.Office.URL

URL entsprechend anpassen...

```
<preference name=„ActiveWorkspaceHosting.Office.URL“ type=„String“ array=„false“  
disabled=„false“ protectionScope=„Site“ envEnabled=„false“>
```

<preference_description>Specifies the URL used by Teamcenter Client for Microsoft Office to communicate with

Active Workspace for hosted operations such as search, open item, and others.

This preference is evaluated before ActiveWorkspaceHosting.URL, which takes precedence.</preference_description>

```
<context name=„Teamcenter“>
```

```
<value>http://avademo17:7070/awc/</value>
```

```
</context>
```

```
</preference>
```

9.2 TC_Use_ActiveWorkspace_Create

Sitepreference:

Wenn Gruppenpreference dann muss protectionScope=»Group«

```
<preference name=„TC_Use_ActiveWorkspace_Create“ type=„Logical“ array=„false“  
disabled=„false“ protectionScope=„Site“ envEnabled=„false“>
```

<preference_description>Specifies whether to display the Active Workspace creation tab instead of the host environment

(rich client or Office client) creation when you click New in the host environment. Set the

preference to True.</preference_description>

```
<context name=„Teamcenter“>
```

```
<value>true</value>
```

```
</context>
```

```
</preference>
```

9.3 TC_Use_ActiveWorkspace_Inbox

Sitepreference:

Wenn Gruppenpreference dann muss protectionScope=»Group»

```
<preference name=„TC_Use_ActiveWorkspace_Inbox“ type=„Logical“ array=„false“
disabled=„false“ protectionScope=„Site“ envEnabled=„false“>
```

<preference_description>Specifies whether to display the Active Workspace inbox instead of the host environment (rich

client or Office client) inbox when you click My Worklist in the host environment. Set the

preference to True</preference_description>

```
<context name=„Teamcenter“>
```

```
<value>true</value>
```

```
</context>
```

```
</preference>
```

9.4 TC_Use_ActiveWorkspace_Summary

Sitepreference:

Wenn Gruppenpreference dann muss protectionScope=»Group»

```
<preference name=„TC_Use_ActiveWorkspace_Summary“ type=„Logical“ array=„false“
disabled=„false“ protectionScope=„Site“ envEnabled=„false“>
```

<preference_description>Specifies whether to display the Active Workspace summary when viewing the summary for

objects instead of the host environment (rich client or Office client). Set the preference to True</preference_description>

```
<context name=„Teamcenter“>
```

```
<value>true</value>
```

```
</context>
```

```
</preference>
```

9.5 AWC_OC_OpenSupportedTypes ??????????????????

Values anpassen:

```
<preference name=„AWC_OC_OpenSupportedTypes“ type=„String“ array=„true“ disabled=„false“
protectionScope=„Site“ envEnabled=„false“>
```

```
<preference_description>Enables opening the specified object types in Teamcenter Client for
Microsoft Office
```

```
when selected in Active Workspace.
```

Valid Values:

```
MSWord
```

```
MSWordX
```

```
MSWordTemplateX
```

```
MSWordTemplate
```

```
MSExcel
```

```
MSExcelX
```

```
MSExcelTemplateX
```

```
MSExcelTemplate
```

```
Outlook
```

```
MSPowerPointX
```

```
MSPowerPoint
```

```
MSPowerPointTemplate</preference_description>
```

```
<context name=„Teamcenter“>
```

```
<value>MSWordX</value>
```

```
<value>MSExcelX</value>
```

```
<value>MSPowerPointX</value>
```

```
<value>Outlook</value>
```

</context>

</preference>

9.6 Problembehandlung

InternetExplorer 11 öffnet keine Office-Word Dokumente (nur xml wird angezeigt...

(gemäß Doku Siemens unter Internet...)

10 AWC_DefaultCreateTypes

Diese Präferenz schränkt zusätzlich die Typenanzeigeregeln aus BMIDE ein.

Bei Anpassungen muss man sich neu Anmelden.

Rot= OOTB

```
<preference name=„AWC_DefaultCreateTypes“ type=„String“ array=„true“ disabled=„false“
protectionScope=„Site“ envEnabled=„false“>
```

```
<preference_description>Define the types to be displayed in the &quot;Create&quot; dialog in
the Active Workspace Client (AWC).
```

Valid values are types internal names.

All subtypes associated to a provided type will also be displayed.</preference_description>

```
<context name=„Teamcenter“>
```

```
<value>Av4_MCAD</value>
```

```
<value>Av4_Dokument</value>
```

```
<value>Av5_avaMedbase</value>
```

```
<value>Item</value>
```

<value>Folder</value>

—— **<value>CompanyContact</value>**

—— **<value>CompanyLocation</value>**

</context>

</preference>

11 DOCUMENT ERSTELLEN, NEUES TEIL in Homepage ausblenden da andere Typen verwendet werden

Hinter diesem Tile ist der OOTB Item-Type Document hinterlegt. Wenn nicht Verwendet, sollte das Tile ausgeblendet werden

Suche, General..., Type=Tile Collection

Site-TileCollection

Ev alle Userspezifischen löschen????? (braucht es nicht)

TCAWWorkspace-TileCollection aufklappen:

«Create Document» auswählen: (das Gleiche mit «New Part»)

Hidden: auf True setzen und speichern

12 Neues Tile für MCAD und Dokument

erstellen

verschieben nach

Installation und Icons sind im Repository avabase abgelegt.

Icons zuvor in AWC implementieren gemäss Anleitung: (gwtcompile iis...)

homeAv4_MCAD64.svg

homeAv4_Document64.svg

Kopie von Datei c:\plm\tc12\aws2\data\Awp0aws2GatewayTilesCots_Install.xml mit folgendem Namen erstellen:

Awp0aws2GatewayTilesa_vabase_Install.xml und folgendermassen editieren

Achtung Dokument versus Document (wegen ootb Document)

```
<?xml version="1.0" encoding="iso-8859-1"?>
```

```
<!DOCTYPE ActiveWorkspaceGateway SYSTEM „Awp0aws2ActiveWorkspaceGateway.dtd“ >
```

```
<ActiveWorkspaceGateway version="1.0">
```

```
  <!-- Tile Template definitions begins here -->
```

```
  <TileTemplate templateId="„Awp0HomeFolderCreateAv4_MCADTemplate">
```

```
    <ThemeIndex index="1" />
```

```
    <Icon>Av4_MCAD</Icon>
```

```
    <Action>Awp0ShowHomeFolder;cmdId=Awp0ShowCreateObject;</Action>
```

```
    <ActionType type="3" />
```

```
  </TileTemplate>
```

```
  <TileTemplate templateId="„Awp0HomeFolderCreateAv4_DocumentTemplate">
```

```
    <ThemeIndex index="1" />
```

```
    <Icon>Av4_Document</Icon>
```

```

    <Action>Awp0ShowHomeFolder;cmdId=Awp0ShowCreateObject;</Action>

    <ActionType type=„3“ />

</TileTemplate>

<!-- Tile definitions begins here -->

<Tile tileId=„Awp0CreateAv4_ MCADTile“
templatId=„Awp0HomeFolderCreateAv4_ MCADTemplate“>

    <Name>New MCAD</Name>

    <Parameter>cmdArg=Av4_ MCAD</Parameter>

</Tile>

<Tile tileId=„Awp0CreateAv4_ DocumentTile“
templatId=„Awp0HomeFolderCreateAv4_ DocumentTemplate“>

    <Name>New Document</Name>

    <Parameter>cmdArg=Av4_ Document</Parameter>

</Tile>

<!-- Tile collection(Site) definitions begins here -->

<TileCollection>

    <SiteScope/>

    <!-- Hiding the inbox tile. This tile will become visible when workflow server module will be
    installed -->

    <CollectionTiles tileId=„Awp0CreateAv4_ MCADTile“      groupName=„quicklinks“ size=„0“
></CollectionTiles>

    <CollectionTiles tileId=„Awp0CreateAv4_ DocumentTile“      groupName=„quicklinks“
size=„0“ ></CollectionTiles>

</TileCollection>

</ActiveWorkspaceGateway>

```

Import der neuen Tiles

```
aws2_install_tilecollections -u=infodba -p=infodba -g=dba -mode=add -file=
Awp0aws2GatewayTiles_avabase_Install.xml
```

13 Das «Hilfe» Tile konfigurieren

Im Standard ist die Onlinehilfe von Siemens hinterlegt wofür es ein WebKey Login braucht.

Hilfe für eine lokale Installation habe ich bisher nicht gefunden (Stand 2018-02-01)

You can configure the HELP tile to link to a different location. For example, you may want to run Active Workspace help from your own documentation server.

To change how the HELP tile launches online help, you must change the settings in the

Awp0QuickStartTemplate tile template:

1. In the Teamcenter rich client, perform a General search for Type=Tile and Name=Help.
2. View the properties of the HELP tile and note that **Awp0QuickStartTemplate** is set as the tile template.
3. Click the **Awp0QuickStartTemplate** link to open the tile template and then check it out to make it editable.

Falls auschecken nicht funktioniert: Direkt **Awp0QuickStartTemplate** suchen (General) und editieren

4. To change the launch location for the online help, change the value in the Action box.

To change the type of action to take, change the value in the Action Type box. For example, 1 opens the provided URL in a new window or tab.

https://docs.plm.automation.siemens.com/tdoc/aw/3.4/aw_html_collection

wird z.B.

http://avademo17:8282/tdoc/aw/4.1/aw_html_collection/

5. Save and check in the tile template.

Users must sign out of Active Workspace and sign in again to see the changes to the HELP tile action.

14 CellProperties - Präferenzen

14.1 ItemRevision.CellProperties

OOTB:

```
<preference name=„ItemRevision.CellProperties“ type=„String“ array=„true“ disabled=„false“  
protectionScope=„Site“ envEnabled=„false“>
```

<preference_description>Defines the list of properties that are to be displayed under a cell for objects of type ItemRevision in the Active Workspace client.

Valid values are property internal names.</preference_description>

```
<context name=„Teamcenter“>  
  
  <value>object_name</value>  
  
  <value>item_id</value>  
  
  <value>item_revision_id</value>  
  
</context>  
  
</preference>
```

Beispiel Typenspezifische Präferenz für Av4_DokumentRevision.CellProperties:

```
<preference name=„Av4_DokumentRevision.CellProperties“ type=„String“ array=„true“  
disabled=„false“ protectionScope=„Site“ envEnabled=„false“>
```

<preference_description>Defines the list of properties that are to be displayed under a cell for objects of type ItemRevision in the Active Workspace client.

Valid values are property internal names.</preference_description>

```
<context name=„Teamcenter“>  
  
  <value>object_name</value>  
  
  <value>item_id</value>  
  
  <value>item_revision_id</value>  
  
  <value>av4_REVISION_TEXT</value>
```

```
</context>
```

```
</preference>
```

14.2 Item.CellProperties

OOTB:

```
<preference name=„Item.CellProperties“ type=„String“ array=„true“ disabled=„false“
protectionScope=„Site“ envEnabled=„false“>
```

```
<preference_description>Defines the list of properties that are to be displayed under a cell for
objects of type Item in the Active Workspace client.
```

```
Valid values are property internal names.</preference_description>
```

```
<context name=„Teamcenter“>
```

```
<value>object_name</value>
```

```
<value>item_id</value>
```

```
</context>
```

```
</preference>
```

Beispiel Typenspezifische Präferenz: Av4_Dokument.CellProperties:

14.3 Dataset.CellProperties

OOTB:

```
<preference name=„Dataset.CellProperties“ type=„String“ array=„true“ disabled=„false“
protectionScope=„Site“ envEnabled=„false“>
```

```
<preference_description>Active Workspace Tile Properties</preference_description>
```

```
<context name=„Teamcenter“>
```

```
<value>object_name</value>
```

```
<value>object_type</value>
```

```
<value>release_status_list</value>
```

```
<value>owning_user</value>
```

```
<value>last_mod_date</value>
```

```
</context>
```

</preference>

15 Client-side rendering JTPART (Universal Viewer)

15.1 Preference: AWC_defaultViewerConfig.VIEWERCONFIG

SEARCHORDER erweitern: (Beispiel Av4_MCADRevision)

Als Beispiel kann der bestehende Eintrag für «Part Revision» verwendet werden:

SEARCHORDER.Part Revision=
TC_Attaches,IMAN_manifestation,IMAN_reference,IMAN_Rendering,IMAN_specification

Kopieren nach:

SEARCHORDER.Av4_MCADRevision=
TC_Attaches,IMAN_manifestation,IMAN_reference,IMAN_specification,IMAN_Rendering

JTPART Viewer anpassen:

Damit wird das JT auf dem Client gerendert und Vis Server Manager auf dem Server braucht keine Grafikkarte mehr, kann also Virtuel aufgesetzt werden

Wichtig: Browser muss WebGL unterstützen (Internet Explorer 11 and later)

Neu über Preferences

DirectModel.~~Awp0JTVIEWER~~=JTPART

ersetzen durch:

DirectModel.~~Awp03dViewerExtended~~=JTPART

```
<preference name=„AWV0ViewerRenderOption“ type=„String“ array=„false“  
disabled=„false“ protectionScope=„User“ envEnabled=„false“>
```

```
<preference_description>Determines which rendering technology should be used in  
Active Workspace 3D tab.
```

The valid values are:

CSR: Client Side Rendering technology will be used while displaying the 3D tab in Active Workspace.

SSR: Server Side Rendering technology will be used while displaying the 3D tab in Active Workspace. This is default value.</preference_description>

```
<context name=„Teamcenter“>
```

```
<value>CSR</value>
```

```
</context>
```

```
</preference>
```

```
<preference name=„AWV02DViewerRenderOption“ type=„String“ array=„false“  
disabled=„false“ protectionScope=„User“ envEnabled=„false“>
```

```
<preference_description>Determines which rendering technology should be used in  
Active Workspace 2D viewer.
```

The valid values are:

CSR: Client Side Rendering technology will be used while displaying 2D tab in Active Workspace.

SSR: Server Side Rendering technology will be used while displaying 2D tab in Active Workspace. This is default value.</preference_description>

```
<context name=„Teamcenter“>
```

```
<value>CSR</value>
```

```
</context>
```

```
</preference>
```

OOTB **AWC_defaultViewerConfig.VIEWERCONFIG** mit anpassungen gelb markiert

```
<preference name=„AWC_defaultViewerConfig.VIEWERCONFIG“ type=„String“
```

array=„true“ disabled=„false“ protectionScope=„Site“ envEnabled=„false“>

<preference_description>**Defines the default viewer configuration for Active Workspace.**

The format of SEARCHORDER entry should be as follows:

SEARCHORDER.<Business_Object_Type>=<GRM1>,<GRM2>,<GRM3>...

The format of Dataset-Viewer mappings should be as follows:

<Dataset_Type>.<Viewer_Name>=<reference_Name></preference_description>

<context name=„Teamcenter“>

<value>**SEARCHORDER.DocumentRevision=TC_Attaches,IMAN_reference</value>**

<value>**SEARCHORDER.Part
Revision=TC_Attaches,IMAN_manifestation,IMAN_reference,
IMAN_Rendering,IMAN_specification</value>**

<value>**SEARCHORDER.Av4_MCADRevision=TC_Attaches,IMAN_manifestation,
IMAN_reference,IMAN_specification,IMAN_Rendering**

<value>**SEARCHORDER.ItemRevision=IMAN_manifestation,SimplifiedRendering,
IMAN_specification,IMAN_reference,IMAN_Motion,IMAN_3D_snap_shot,
IMAN_Rendering,TC_Attaches,Fnd0DiagramSnapshot</value>**

<value>**SEARCHORDER.Signoff=root_target_attachments</value>**

<value>**SEARCHORDER.EPMTask=root_target_attachments</value>**

<value>**SEARCHORDER.Item=revision_list</value>**

<value>**SEARCHORDER.Folder=contents</value>**

<value>**SEARCHORDER.WorkspaceObject=release_status_list</value>**

<value>**HTML.Awp0HTMLViewer=HTML</value>**

<value>**PDF.Awp0PDFViewer=PDF_Reference</value>**

<value>**Image.Awp0ImageViewer=Image</value>**

<value>**Bitmap.Awp0ImageViewer=Image</value>**

<value>**SnapShotViewData.Awp0ImageViewer=Image</value>**

<value>**JPEG.Awp0ImageViewer=JPEG_Reference</value>**

<value>**Text.Awp0TextViewer=Text</value>**

<value>**DirectModel.Awp0JTViewer=JTPART</value>**

<!-- <value>**DirectModel.Awp03dViewerExtended=JTPART</value>** -> (war früher so)

<value>**GIF.Awp0ImageViewer=GIF_Reference</value>**

```
<value>UGMASTER.Awp0ImageViewer=UG-QuickAccess-Binary</value>
```

```
<value>UGPART.Awp0ImageViewer=UG-QuickAccess-Binary</value>
```

```
</context>
```

```
</preference>
```

15.2 Zugehöriges Stylesheet anpassen (z.B. Awp0Av4_MCADRevSummary)

Möchte man in einem Stylesheet das JT anzeigen lassen, muss folgendes implementiert werden.

Achtung: Dadurch wird immer das Rendering gestartet was einiges an Ressourcen braucht...

Mit AWC 4.1 nicht mehr so machen!!!!

Im „titleKey=„tc_xrt_Overview“ folgende Zeile Einfügen:

```
<inject type=„dataset“ src=„Sci1Av4_MCADRevSummary“/>
```

Sci1Av4_MCADRevSummary wird folgendermassen zusammengestellt:

Sci «+» Name Stylesheet ohne Awp0

Sci«+» ~~Awp0~~Av4_MCADRevSummary

15.3 Ergebnis

Das JTPART sieht man nun im OVERVIEW Tab einer MCADRevision

Ev ist «[Windows 10 JT2Go Universal App](#)» notwendig

16 Debugger: F12

17 Zusätzliche Attribute als Spalte in Oberfläche anzeigen

Exportieren des config-files

```
export_uiconfig -u=infodba -p=infodba -g=dba -file=c:\temp\ui.xml
```

USAGE: export_uiconfig [-u=<username>] { [-p=<password> | -pf=<password file>] } [-g=<groupname>] <args>

[-u=<user_id>] TC user ID. In most cases the TC user ID will be infodba or another TC user ID with system administrative privileges. If this argument is used without a value, the operating system user name is used.

[-p=<password>] TC password associated with the -u=<user_id>.

[-pf=<password file>] Used in lieu of -p=<password> option for advanced security. Specifies the file (with absolute path) that contains TC administrator's password.

[-g=<group-name>] TC group associated with the -u=<user_id>. If this argument is not given or used without a value, the user's default group is assumed.

[-for_group=<group-name>] TC group specific to which ui config objects

are exported. If for_group and for_role are not mentioned, UI configuration objects at site scope are exported.

[-for_role=<role-name>] TC role specific to which ui config objects

are exported. If for_group and for_role are not mentioned, UI configuration objects at site scope are exported.

[-for_workspace=<workspace-name>]

TC workspace specific to which ui config objects are exported. If for_workspace, for_group and for_role are not mentioned, UI configuration objects are exported with site scope. Multiple workspaces can be specified separated by commas

[-client_scope_URI=<ClientScope URI>]

If specified, UI configuration objects corresponding only to this client scope are exported

[-client=<client-name>] If specified, UI configuration objects

corresponding only to this client are exported.

-file=<file-path> Path of the export file.

Auflistung der möglichen Bereiche für Anpassungen:

name=„Advanced Search“

name=„All“

name=„All“

name=„Answered“

name=„awb0ContentTable.Awb0SavedBookmark“

name=„awb0ContentTable.ItemRevision“

name=„Commands With Conditions“

name=„Content Table Design Revision“

name=„Content Table Part Revision“

name=„Content“

name=„Error“

name=„Following“

name=„GlobalCommands“

name=„GlobalStableCommands“

name=„Inbox“

name=„InboxAllTasks“

name=„InboxMyTasks“

name=„InboxSurrogateTasks“

name=„My Favorites“

name=„My Project List“

name=„My Project“

name=„My Reports“

name=„My Saved“

name=„Navigate“

name=„News Feed“

name=„Not Answered“

name=„occurrenceManagementMarkup“

name=„PdfPane“

name=„Printouts“

name=„Recent“

name=„Recent“

name=„Report“

name=„Reports“

name=„Results“

name=„Results“

name=„Settings“

name=„Show Object“

name=„Show Pdf File“

name=„Show Tc Gateway“

name=„Team“

name=„Tracking“

name=„Um0ShowGroup“

name=„Um0ShowOrganization“

name=„Um0ShowRole“

name=„Um0ShowUser“

name=„Visualization“

name=„XrtObjectSet“

name=„XRTRelations“

17.1 Beispiel zusätzliche Attribute im Suchergebnis anzeigen

XML exportieren, Anpassen und wieder importieren

```
<Client abbreviation=„AWClient“ name=„AWClient“>
```

```
  <ClientScope hostingClientName=“ „ name=„Navigate“ uri=„Awp0ObjectNavigation“>
```

```
    <ColumnConfig columnConfigId=„searchResultsColConfig“ sortBy=„1“  
    sortDirection=„Descending“>
```

```
      <ColumnDef columnName=„object_name“ objectType=„WorkspaceObject“  
      propertyName=„object_name“ width=„300“/>
```

```
      <ColumnDef columnName=„object_desc“ objectType=„WorkspaceObject“  
      propertyName=„object_desc“ width=„300“/>
```

```
      <ColumnDef columnName=„release_status_list“ objectType=„WorkspaceObject“  
      propertyName=„release_status_list“ width=„250“/>
```

```
      <ColumnDef columnName=„awp0Item_item_id“ objectType=„ItemRevision“  
      propertyName=„awp0Item_item_id“ width=„250“/>
```

```

    <ColumnDef columnName=„item_revision_id“ objectType=„ItemRevision“
propertyName=„item_revision_id“ width=„250“/>

    <ColumnDef columnName=„fnd0InProcess“ objectType=„WorkspaceObject“
propertyName=„fnd0InProcess“ width=„250“/>

    <ColumnDef columnName=„ics_subclass_name“ objectType=„WorkspaceObject“
propertyName=„ics_subclass_name“ width=„250“/>

    <ColumnDef columnName=„po_object_name“ objectType=„PublishedObject“
propertyName=„po_object_name“ width=„250“/>

    <ColumnDef columnName=„po_group_id“ objectType=„PublishedObject“
propertyName=„po_group_id“ width=„250“/>

    <ColumnDef columnName=„po_object_creation_date“ objectType=„PublishedObject“
propertyName=„po_object_creation_date“ width=„250“/>

    <ColumnDef columnName=„po_object_type“ objectType=„PublishedObject“
propertyName=„po_object_type“ width=„250“/>

```

Zusätzliches Attribut

```

    <ColumnDef columnName=“ av4_MATERIAL „ objectType=„Av4_MCADRevision“
propertyName=„av4_MATERIAL“ width=„250“/>

```

```

</ColumnConfig>

```

```

</ClientScope>

```

```

</Client>

```

Änderungen übernehmen

```

import_uiconfig -u=infodba -p=infodba -g=dba -file=c:\temp\ui.xml

```

USAGE: import_uiconfig [-u=<username>] { [-p=<password> | -pf=<password file>] } [-g=<groupname>] <args>

[-u=<user_id>]

TC user ID. In most cases the TC user ID will be infodba or another TC user ID with system administrative privileges. If this argument is used

without a value, the operating system user name is used.

`[-p=<password>]` TC password associated with the `-u=<user_id>`.

`[-pf=<password file>]` Used in lieu of `-p=<password>` option for advanced security.

Specifies the file (with absolute path) that contains TC administrator's password.

`[-g=<group-name>]` TC group associated with the `-u=<user_id>`. If this argument is not given or used without a value, the user's default group is assumed.

`[-for_group=<group-name>]`

TC group specific to which ui config objects are imported. If `for_group` and `for_role` are not mentioned, UI configuration objects are imported with site scope. Multiple groups can be specified separated by commas

`[-for_role=<role-name>]` TC role specific to which ui config objects are imported. If `for_group` and `for_role` are not mentioned, UI configuration objects are imported with site scope. Multiple roles can be specified separated by commas

`[-for_workspace=<workspace-name>]` TC workspace specific to which ui config objects are imported. If `for_workspace`, `for_group` and `for_role` are not mentioned, UI configuration objects are imported with site scope. Multiple workspaces can be specified separated by commas

`[-action=<value>]` As of now following two actions are supported

1. skip - This option will cause existing ColumnConfig to be retained and will not be updated.
2. merge - This option will merge the new column config with existing

columnConfig.

If -action is not specified then by default it is considered as

override action

and it will retain the last imported column config.

-file=<file-path> Path of the import file.

Ergebnis:

18 Erstellen einer Struktur Baseline mit AWC

Anders als im RAC funktioniert der Baseline Prozess im AW etwas anders.

Funktion heute Im RAC: > Tools > Baseline...

Für den AW muss zwingend das AsyncService Dispatcher Modul aktiviert und konfiguriert sein.

- c:\plm\dispatcher\Module\conf\translator.xml

```
<!-- Configuration of the asyncservice -->
```

```
<AsyncService provider=„SIEMENS“ service=„asyncservice“ isactive=„true“>
```

```
<TransExecutable name=„asyncservice.bat“ dir=“&MODULEBASE;/Translators/asyncservice„/>
```

- c:\plm\dispatcher\Module\Translators\asyncservice\asyncservice.bat

```
set TC_ROOT=C:\plm\tc12
```

```
set TC_DATA=C:\plm\tcshare\tc12\tcproddata
```

- Die Präferenz **EPM_task_execution_mode** kann auf **BACKGROUND** stehen bleiben.

19 Icon Status Av4_Obsolete (old!)

Neu: Kapitel 20

Help:

https://docs.plm.automation.siemens.com/tdoc/aw/4.1/aw_html_collection#uid:xid1476343

Als erstes muss ein Icon für den Status erstellt werden.

Als Basis dient folgende Datei:

%TC_ROOT%\aws2\stage\src\image\indicatorReleased16.svg

Kopie erstellen und entsprechend anpassen

indicatorReleasedAv4_Obsolete16.svg

als nächstes muss der Status in AWC konfiguriert werden

folgende Datei editieren: neu: ein eigenes KIT erstellen

.NET

%TC_ROOT%\aws2\stage\repo\kit\tc-aw-framework\module.json

J2EE (oder ab 4.2...)

%TC_ROOT%\aws2\stage\components\activeworkspace\repo\kit\tc-aw-framework\module.json

(kopie eines bestehenden machen und anpassen)

Deployen...

20 Status Indicator for AW

Für jeden Status muss ein Icon definiert bzw. erstellt werden.

Mögliche Vorlagen unter:

\avaCentralRepo\avaBase\Tc12.x\trunk\Icons\AWC_Icons\indicatorReleased*16.svg

Die Benennungs-Syntax ist wie folgt: **indicatorReleased[*status real name*]16.svg**

Bei Bedarf eine Kopie erstellen und entsprechend anpassen.

Zum Beispiel: **indicatorReleasedAv4_Prototype16.svg**

Das Modul nach TC_ROOT kopieren und anpassen:

Source:

\init_Tc12_tcprod\00_Server_copy\Servername\c\plm\tc12\aws2\stage\src\av4kundeindicators\

Target:

%TC_ROOT%\aws2\stage\src\av4kundeindicators\

Jeder Status muss für den AW konfiguriert werden:

Die folgende Datei editieren:

%TC_ROOT%\aws2\stage\src\av4kundeindicators\module.json

è Kopie eines bestehenden Abschnittes machen und anpassen

```
„fx_release_status_list_Av4_Freigegeben“: {  
  „iconName“: „ReleasedAv4_Freigegeben“,  
  „tooltip“: {  
    „showPropDisplayName“: false,  
    „propNames“: [  
      „object_name“,
```

```
    „date_released“  
  ]  
},  
„prop“: {  
  „names“: [„release_status_list“],  
  „type“: {  
    „names“: [„ReleaseStatus“],  
    „prop“: {  
      „names“: [„object_name“],  
      „conditions“: {  
        „object_name“: {  
          „$eq“: „Av4_Freigegeben“  
        }  
      }  
    }  
  }  
},  
„modelTypes“: [  
  „WorkspaceObject“  
]  
},
```

èDeploy

21 Document Item Prefiew PDF

Zum Anzeigen von PDF muss folgende Präferenz erweitert werden:

```
<preference name=„AWC_defaultViewerConfig.VIEWERCONFIG“ type=„String“
array=„true“ disabled=„false“ protectionScope=„Site“ envEnabled=„false“>
```

```
<preference_description>Defines the default viewer configuration for Active Workspace.
```

The format of SEARCHORDER entry should be as follows:

```
SEARCHORDER.&lt;Business_Object_Type&gt;=&lt;GRM1&gt;,&lt;GRM2&gt;,&lt;GRM3&gt;...
```

The format of Dataset-Viewer mappings should be as follows:

```
&lt;Dataset_Type&gt;.&lt;Viewer_Name&gt;=&lt;reference_Name&gt;</preference_description>
```

```
<context name=„Teamcenter“>
```

```
<value>SEARCHORDER.DocumentRevision=TC_Attaches,IMAN_reference,IMAN_specificatio
n</value>
```

22 Defining the revision rules list

By default, the list of available revision rules is obtained from Teamcenter. However, as an administrator, you may want to provide different revision rules for Active Workspace than are used in the rich client. For example, you may want to have Active Workspace default to Latest Released whereas you want the rich client to still default to Latest Working.

To set a different list of revision rules for Active Workspace, add revision rules to the AWC_Rev_Rule_List preference. Whenever a custom revision rule is created, you must add it to this preference for it to appear in the revision rules list. By default, the preference is empty, meaning that the revision rules list in Active Workspace defaults to the revision rules from the rich client.

To set the revision rule that is selected by default, add it to the AWC_Rev_Rule_Selected preference. The revision rule in this preference must match a revision rule in the AWC_Rev_Rule_List preference.

If the revision rule in the AWC_Rev_Rule_Selected preference is removed from the AWC_Rev_Rule_List preference, you must change the revision rule in the AWC_Rev_Rule_Selected preference to one in the AWC_Rev_Rule_List preference.

By default, the AWC_Rev_Rule_Selected preference is empty, meaning that the first revision rule in the AWC_Rev_Rule_List preference is the one that is selected by default in the user interface

23 Declarative Table Columns

23.1 Export / Import ui_config.xml

Export configuration

```
export_uiconfig -u=infodba -p=infodba -g=dba -for_group=Organization -file=c:\temp\ui_config.xml
```

```
export_uiconfig -u=infodba -p=infodba -g=dba -file=c:\temp\ui_orig_config.xml
```

-

Import configuration, e.g. for group, role or workspace

```
import_uiconfig -u= infodba -p=*** -g=dba -for_group=Organization -action=merge -  
file=c:\temp\ui_config.xml
```

-

Import configuration for group dba ...

```
import_uiconfig -u= infodba -p=*** -g=dba -file=c:\temp\ui_config.xml
```

-

Delete configuration for group dba ...

```
delete_uiconfig -u= infodba -p=*** -g=dba
```

24 Löschen in AWC

```
<preference name=„AWS_allowedTypesForDelete“ type=„String“ array=„true“  
disabled=„false“ protectionScope=„Site“ envEnabled=„false“>
```

<preference_description>**Defines the list of Business Object types for which the**

"**Delete**" **command is visible.**</preference_description>

```
<context name=„Teamcenter“>
  <value>Awb0SavedBookmark</value>
  <!--<value>ItemRevision</value>-->
  <!--<value>Item</value>-->
  <!--<value>Dataset</value>-->
  <!--<value>Folder</value>-->
</context>
</preference>
```

25 Autoassign der Item-ID deaktivieren

Grundlage

Für jeden Itemtyp muss ein Create-Stylesheet erstellt werden.

Darin muss folgende Zeile ergänzt werden:

Wird

isAutoAssign=„false“

26 Xxx