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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

Any Owner 🗸 🗸	. Iny Category \sim	Search	Q
Any Owner		Latest Working	Advanced Search
Me			

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">
            <rul>
            value>POM_application_object.owning_user
            value>POM_application_object.owning_user
            value>POM_application_object.owning_user
```

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

Any Owner 🛛 🗸	Any Category 🗸 🗸	Search	Q
	Any Category	Latest Working	Advanced Search
	Documents		
	Files		
	Parts		

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=""">type=""
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

4_MCADRevision ×				
Business Object Constants Localization	n			
Business Object Constants				
			T	
Name	Value	Overridden	Allow Mo ^	Edit.
^{3°} Awp0BusinessObjectCategories	Parts		v	Pasa
	false		1	Reset

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

夑 Business Obje	💕 Business Object Constant 🦳 🗆 🗙					
Modify Busine	ss Object Constant			R		
Modify Business	S Object Constant					
Constant Name	Awp0BusinessObjectCategories					
Туре	String					
Value	Parts,avaBase					
	Allow Modification in Custom templates					
	Allow Override in Sub-business Objects					
?	Finish		Car	ncel		

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	<mark>Parts</mark>
Av4_MCADRevision	avaBase	oder Revisionen oder	<mark>Parts</mark>
Av5_DHFRevision	avaMedbase	oder Revisionen oder	Documents
Av5_PhaseRevision	avaMedbase	oder Revisionen oder	Documents

Av5_MilestoneRevision	avaMedbase	oder Revisionen oder <mark>Documents</mark>
Av5_RecordRevision	avaMedbase	oder Revisionen oder <mark>Documents</mark>
Av5_TFRevision	avaMedbase	oder Revisionen oder <mark>Documents</mark>
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 bmide_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.
- 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>avabase:Av4_MCADRevision,Av4_DokumentRevision</value>
<value>avamedbase:Av5_DHFRevision,Av5_PhaseRevision,Av5_MilestoneRev
ision,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,MSPowerP
ointX</value>
</context>
</preference>
```

1.3 AW_Advanced_Search_Visibility (Erweiterte Suche)

Über diese Preference wird die Auswahl Erweiterte Suche aktiviert

Any Owner	Any Category	Search	Q
		Latest Working	Advanced Search

<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>

<mark>true ist default</mark>

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



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Advanced Search	×	
Quick Advanced		
Item ID	•	
Item ID Keyword Search Item Name		

Keyword Search entfernen wenn Tc FTS nicht zusätzlich installiert wurde

```
cycle content cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle content  cycle con
disabled=,false" protectionScope=,Site" envEnabled=,false">
         <preference description>Defines the guick access gueries 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>
         reference 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:
"<query_internal_name&gt;_SearchAttribute=&lt;L10N_key&gt;&quot;,
where:
<query internal name&gt;is to be replaced by the query internal name,
<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...

00_DHFRevision.xml						
1	<pre><?xml version="1.0" encoding="utf-8"?></pre>					
2	GENERATED BY: PLM XML SDK 7.0.4.418					
3	<pre><plmxml_bus:plmxmlbusinesstypes http:="" plmxmlbusinessschem<="" schemas="" th="" www.plmxml.org="" xmlns="http://www.plmxml.org/Schemas</pre></th></tr><tr><th>4</th><th>xmlns:plmxml_bus="></plmxml_bus:plmxmlbusinesstypes></pre>					
5	<pre>□ language="en-us" time="10:47:27" schemaVersion="6" author="Teamcenter"</pre>					
6	<pre>plmxml_bus:SavedQueryDef id="id1" name="00 DHF Revisionen" nameRef=</pre>					
7	<pre><description>Find DHF Revision(s)</description></pre>					
8	<pre><applicationref application="Teamcenter" label="hJPALJR3Yjjo6C" pre="" vers.<=""></applicationref></pre>					
9	<pre><plmxml_bus:queryclause id="id4" id2"="" primary="en-us" stringvalue="SELECT qid FROM Av5_DH</pre></th></tr><tr><th>10</th><th><pre>plmxml_bus:Text id="></plmxml_bus:queryclause></pre>					
11	<pre>//item language="de-de">DHF Revision<!--/iter.panal_bus:Text--></pre>					
12	<pre>plmxml_bus:Text id="id3" primary="en-us"></pre>					
13	<pre>L<item language="de-de">DHF Revisionen suchen</item></pre>					
14						

4 Weitere Präferenzen für Suchen

4.1 AWS_Default_Query_Operator

AND / OR

Default:

```
<preference name=,,AWS_Default_Query_Operator" type=,,String"</pre>
```

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"</pre>
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. "part"
will be "part*").
- 2: the search engine will prefix * to user values (e.g. "part"
will be "*part").
- 3: the search engine will prefix and suffix * to user values (e.g.
"part" would become "*part*"). 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. "part*" will be
"part*").</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

	UGII V10-GAT	EWAY	4	foun	1		
	UGII V10-DES	IGN	*	foun			
	UGII V10-CAM	1	1	foun	1		
	COTS?						
mplate	foundation						
usiness Object (Constants						
usiness Object (Constants						
usiness Object (Constants	Value	Overridde	n Allow	Mo	Ť	Edi
Name © ² Awp0Busine	ssObjectCategories	Value Files	Overridde *	n Allow	Mo	Т ^ Е	Edi
Name of Awp0Busine of Awp0Search	constants ssObjectCategories ClassifySearchEnabled	Value Files false	Overridde V	n Allow	Mo	¥ ^ II	Edi
Name of Awp0Busine of Awp0Search of Awp0Search	constants ssObjectCategories ClassifySearchEnabled IsClassifyDataIndexed	Value Files false false	Overridde *	n Allow	Mo	Y	Edi
Name of Awp0Busine of Awp0Search of Awp0Search of Awp0Search of Awp0Search	constants ssObjectCategories ClassifySearchEnabled IsClassifyDataIndexed IsIndexed	Value Files false false false	Overridde V	n Allow v v v	Mo	× 1	Edi
Name of Awp0Busine of Awp0Search of Awp0Search of Awp0Search of Awp0Search of Awp0Search	constants ssObjectCategories ClassifySearchEnabled IsClassifyDataIndexed IsIndexed RevRuleIsExported	Value Files false false false false	Overridde ✓	n Allow v v v v v	Mo	Y	Edi
Name of Awp0Busine of Awp0Search of Awp0Search of Awp0Search of Awp0Search of Awp0Search of Awp0Search	constants constants classifySearchEnabled IsClassifyDataIndexed IsIndexed RevRuleIsExported UnsupportedRevRuleEn	Value Files false false false false	Overridde 1	Allow	Mo	Т А Ш	Edi
Name of Awp0Busine of Awp0Search of Awp0Search of Awp0Search of Awp0Search of Awp0Search of Awp0Search of Awp0Search of BatchPrintPro	constants constants classifySearchEnabled IsClassifyDataIndexed IsIndexed RevRuleIsExported UnsupportedRevRuleEn oviderName	Value Files false false false false SIEMENS	Overridde *	Allow	Mo		Edi

Auf True setzen:

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9	Business Object Constant	_ 🗆 🗙
Modify Busine Modify Busines	ss Object Constant s Object Constant	B
Constant Name Type	Awp0SearchIsIndexed 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

 $\label{eq:torser} TcFTSIndexer Cache komplett neu aufbauen: C:\plm\tc12\TcFTSIndexer\bin\runTcFTSIndexer - task=objdata:index \\$

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	Any Owner 🔍	Any Category 🛛 🖂	Sensile	Q	SIEMEN
			Latest Working	Advanced Search	
	Overview PROPER	RTIES	▼ PREVIEW		0 51
Find in this content	Name:	A3	白 心 也	:3	÷
A3 PDF Owner: Michael Ruhnke (mru) Date Modified: 20-Mar-2019 11:00	Description: Owner:	Zeichnung Michael Ruhnke (mru)	[] ρ 1 of 1	- +	ľ.
	Group ID: Last Modifying User:	Entwicklung.avasis Michael Ruhnke (mru)	Art. No. Tote Date Name Date Name 0 - Auftor - - Auftor -	Material similar to : replacing:	
	Checked- Out: Checked- Out By:		SENSILE MEDICAL sole Medical AG benche Medical AG benche Medical aus	• •	0 % %
	Checked-			*	* h

5.3 Attribut für Indexing aktivieren (Property)

Beispiel String Attribut: av4_REVISION_TEXT

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

Main Properties Operations Display Rules Deep Copy Rules GRN Enter search text here Property Name Type Storage Type •cav4_RELEASE_NAME_SHORT Attribute String[32] •cav4_REVISION_TEXT Attribute String[32]

Property Constants of av4_REVISION_TEXT

Name	Value	
Awp0SearchCanFilter	false	
Awp0SearchFilterPriority		
Awp0SearchIsIndexed	false	wird

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Property Constants Naming Rule Attaches LOV Attaches F

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)

Namo	Value
Name	value
Awp0SearchCanFilter	true
Awp0SearchFilterPriority	118
Awp0SearchIsIndexed	true
Awp0SearchIsStored	false
Awp0SearchPropFromRefType	object_name, awp0ltem_item_id

Avid_CADRevision × usiness Object : Av4_C	CADRev	ision Deep Copy Rules GRM			
Enter search text here					
Property Name av4_RELEASE_NAME_SHORT	Type Attribute	Storage Type String[32]			
%av4_REVISION_TEXT	Attribute	String[32]			
operty Constants Naming Ru	le Attach	es LOV Attaches	F I	Property Constants Naming Rule A	ttaches LOV Attache
operty Constants of av4_R	EVISION	TEXT		Property Constants of av4_REVIS	ION_TEXT
Name		Value		Name	Value
Awp0SearchCanFilter		false		a Awp0SearchCanFilter	true
Awp0SearchFilterPriority				a Awp0SearchFilterPriority	170
		1.2.2.2.2.2			

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

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OOTB Werte (Richtlinie)

100
100
175
175
180
180
185
190
190
196

Printed on 2025/07/14 08:06

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
s2cllsBestAnswer	2000
s2cllsOpen	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

📄 dep	endency.xml 🔀
1	<pre><?xml version="1.0" encoding="UTF-8" standalone="no"?></pre>
2	<pre>CTcBusinessDataIncludes currentTemplateVersion="11.2_4</pre>
3	<include file="foundation_template.xml"></include>
4	<include file="aws2_template.xml"></include>
5 🔵	<pre><include file="activeworkspacebom_template.xml"></include></pre>
6	<include file="avamedbase_template.xml"></include>
7	<include file="nx0tcin_template.xml"></include>
8	



RMB auf Awb0SupportsStructure

Global Co	Constants				0
Project	av4avasis			~	
				T	
Name		Value	Overridden	Allow Mo ^	Edit
o° AIEC	OSConfiguredProperties	NXMotion,NX	*	*	Recet
o° Awb	OSupportsStructure	Design Revisio	*	4	Neser

Edit

\$	Add Value	-	X
Add a val	Je		
Value:	Av4_CADRevision		
Template	av4avasis		

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

Av4_MCADRevision Av5_DHFRevision Av5_PhaseRevision Av5_MilestoneRevision

2		Global Constant		_ 🗆 X
Modify Global Modify Global (Constant			B
Constant Name	Awb0SupportsStructure			
Туре	String			
Value	Value	Template	^	Add
	Av4_CADRevision	av4avasis		Remove
	Av5_DHFRevision	av4avasis		INCIDENCE
	Av5_PhaseRevisin	av4avasis	=	
	Av5MilestoneRevision	av4avasis		
			×	

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

儿 aws2	^	Name
stage		typeAv5_TFRevision48.svg
build		typeAv5_TF48.svg
node modules		typeAv5_RecordRevision48.svg
out		typeAv5_Record48.svg
l repo		typeAv5_PhaseRevision48.svg
src		typeAv5_Phase48.svg
l generator	≡	typeAv5_MilestoneRevision48.svg
👢 image		typeAv5_Milestone48.svg
🐌 soa	1	UtypeAv5_DHFRevision48.svg
📙 aws2dotnet		typeAv5_DHF48.svg
👢 bin		typeAv4_DokumentRevision48.svg
👢 bmide		typeAv4_Dokument46.svg
👢 data		typeAv4_CAD48 svg
dm		

Tc-menu starten Cd C:\plm\tc12\aws2\stage Gwtcompile...

6 5.	Administrator: prod_tc_prod Command Prompt 🛛 🗕 🗖	X	
C:/plm/TC112/aws2/ C:/plm/TC112/aws2/ C:/plm/TC112/aws2/ C:/plm/TC112/aws2/ C:/plm/TC112/aws2/ C:/plm/TC112/aws2/ C:/plm/TC112/aws2/ C:/plm/TC112/aws2/ C:/plm/TC112/aws2/ C:/plm/TC112/aws2/ C:/plm/TC112/aws2/ C:/plm/TC112/aws2/ C:/plm/TC112/aws2/ C:/plm/TC112/aws2/	<pre>stage//out/iis/assets1489386950455/js/breadcrumbChevronDataProg stage//out/iis/assets1489386950455/js/aw.breadcrumb.controller stage//out/iis/assets1489386950455/js/aw-tab-container.control stage//out/iis/assets1489386950455/js/aw-tab-container.directive stage//out/iis/assets1489386950455/js/aw-tab.directive.js stage//out/iis/assets1489386950455/js/aw-tab.directive.js stage//out/iis/assets1489386950455/js/aw-tab.directive.js stage//out/iis/assets1489386950455/js/aw-tab.directive.js stage//out/iis/assets1489386950455/js/aw-tab.directive.js stage//out/iis/assets1489386950455/js/aw.compare.controller.js stage//out/iis/assets1489386950455/js/uwDataProviderUtils.js stage//out/iis/assets1489386950455/js/aw.compare.controller.js stage//out/iis/assets1489386950455/js/aw.table.container.contro stage//out/iis/assets1489386950455/js/aw-tabe.container.contro stage//out/iis/assets1489386950455/js/aw-tabe.container.contro stage//out/iis/assets1489386950455/js/aw-tabe.container.contro stage//out/iis/assets1489386950455/js/aw-tabe.container.contro stage//out/iis/assets1489386950455/js/aw-tabe.container.contro stage//out/iis/assets1489386950455/js/aw-drag.directive.js</pre>	js js js js jt ve.	^
[07:39:12] Finishe [07:39:12] Startin [07:39:15] gulpf [07:39:15] Finishe [07:39:15] Startin [07:39:15] Finishe C:\plm\TC112\aws2\	d 'gwtCompile' after 3.35 min g 'buildDeployment' ile: Successfully built C:/plm/TC112/aws2/stage//out/awc.zip d 'buildDeployment' after 3.13 s g 'default' d 'default' after 12 μs stage>_		~
<	III	>	.#

C:\plm\tc12\aws2\stage\out\awc.zip oder awc.war deployen...

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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 Grundlageverwenden: Awp0ItemSummary oder Awp0PartSummary

Awp0ItemSummary

🗱 AwpOltemSummary	
Registered Type: Item 🔄 🗙 Stylesheet Type: Summary	
xml version="1.0" encoding="UTF-8"?	^
</td <td>=</td>	=
// @ <copyright>@</copyright>	_
// ====================================	
// Copyright 2014.	
// Siemens Product Lifecycle Management Software Inc.	
// All Rights Reserved.	
// ====================================	
// @ <copyright>@</copyright>	
>	
<rendering xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nonamespaceschemalocat<br=""><header></header></rendering>	ic

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

Beispiele: Awp0Av4_MCADSummary.xml Awp0Av4_DokumentSummary.xml 21/57

📄 Awp	0Av4_MCADSummary.xml 🔀
1	<pre><?xml version="1.0" encoding="UTF-8"?></pre>
2	₽ <mark><!--</mark--></mark>
3	// @ <copyright>@</copyright>
4	// ====================================
5	// Copyright 2014.
6	// Siemens Product Lifecycle Management Software Inc.
7	// All Rights Reserved.
8	// ====================================
9	// @ <copyright>0</copyright>
10	L>
11	<pre>[]<rendering xmlns:xsi="http://www.w3.org/2001/XMLSchema-</pre></pre>
12	A state in the state is a state in the state in the state is a state in the state in t

Präferenz erstellen:

Rot Markiert entspricht Typ Grün Markiert entspricht Stylesheet Name

7.2 ItemRevSummary Stylesheet

Als Grundlageverwenden: Awp0ItemRevSummary oder Awp0PartRevisionSummary

```
Awp0ltemRevSummary
🐮 AwpOltemRevSummary
                                 ×
                               \sim
Registered Type:
                                     Stylesheet Type: Property
<?xml version="1.0" encoding="UTF-8"?>
<!--
// @<COPYRIGHT>@
// Copyright 2015.
// Siemens Product Lifecycle Management Software Inc.
// All Rights Reserved.
// _____
// @<COPYRIGHT>@
-->
<!-- Default style sheet for displaying item rev summary. -->
<rendering>
 <header>
```

Für jeden Kundenspezifischen Typ auf Basis des Awp0ltemRevSummary ein eigenes XML erstellen und die entsprechenden Attribute einpflegen:

Beispiele:

Awp0Av4_MCADRevSummary.xml Awp0Av4_DokumentRevSummary.xml

Awp0Av4_MCADRevSummary.xml						
1	xml version="1.0" encoding="UTF-8"?					
2	曰 </th					
3	// @ <copyright>@</copyright>					
4	// ====================================					
5	// Copyright 2015.					
6	// Siemens Product Lifecycle Management Software Inc.					
7	// All Rights Reserved.					
8	//					
9	// @ <copyright>@</copyright>					
10	L>					
11	Default style sheet for displaying MCAD rev summary					
12	<pre> [] <rendering> </rendering></pre>					

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

<page titleKey="Kunde">

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

Awp0Av4_STDPartRevSummary.xm				
39	<property name="fnd0CurrentLocationCode"></property>			
40	<property dataset"="" name="REF(items_tag,CommercialPath.fnd0OriginalLocat</th></tr><tr><th>41</th><th>
break/></th></tr><tr><th>42</th><th><inject type=" src="ScilAv4_STDPartRevSummary"></property>			
43	<command commandId="com.teamcenter.rac.properties" titleKey="to</th>			

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">

```
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     <preference description>Description not provided during
import.</preference description>
       <context name="Teamcenter">
         <value>Awp0Av4 MCADRevSummary</value>
       </context>
     </preference>
     <preference</pre>
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</pre>
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 Awb0ltemRevSummaryForShowObjectLocation ein eigenes XML erstellen und die entsprechenden Attribute einpflegen:

Beispiele:

Awb0Av4 MCADRevSummaryForShowObjectLocation.xml

Awb0Av4 DokumentRevSummaryForShowObjectLocation.xml

Markierte Zeile anpassen (wenn vorhanden)

Präferenz erstellen:

Rot Markiert entspricht Typ

Grün Markiert entspricht Stylesheet Name

cpreference 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 Grundlageverwenden: Awp0ItemCreate

Für jeden Kundenspezifischen Typ auf Basis des Awp0ltemCreate ein eigenes XML erstellen und die entsprechenden Attribute einpflegen:

Beispiele:

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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=""", property name="", property name=", property name="", property name="", propert

* 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">

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">
```

cpreference_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://avademo17: 7070/awc/</value>

</context>

</preference>

<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>

<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

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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 Umbegungsvariable 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">
```

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<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>
```


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.

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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 "Create" 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>

</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

 $\label{eq:constant} Kopie \ von \ Datei \ c:\plm\tc12\aws2\data\Awp0aws2GatewayTilesCots_Install.xml \ mit \ folgendem \ Namen \ erstellen:$

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" />

<lcon>Av4_MCAD</lcon>

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

<ActionType type="",3" />

</TileTemplate>

<TileTemplate templateId=,Awp0HomeFolderCreateAv4_DocumentTemplate">

<ThemeIndex index=""">

<lcon>Av4_Document</lcon>

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

<ActionType type="",3" />

</TileTemplate>

<!- Tile definitions begins here ->

<Tile tileId=,,Awp0CreateAv4_M**CAD**Tile" templateId=,,Awp0HomeFolderCreateAv4_M**CAD**Template">

<Name>New MCAD</Name>

<Parameter>cmdArg=Av4_MCAD</Parameter>

</Tile>

<Tile tileId="Awp0CreateAv4_DocumentTile"

```
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```

templateId=,,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_**Document**Tile" 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>

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</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=,,AWVOViewerRenderOption" 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

cpreference 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«+» Awp0Av4_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"

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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=**,awpOltem_item_id**" objectType=**,ltemRevision**" propertyName=**,awpOltem_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"</td>

Printed on 2025/07/14 08:06

```
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>]</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>]</password>	TC password associated with the $-u = $.
[-pf= <password file=""></password>	>] Used in lieu of -p= <password> option for advanced security.</password>
	Specifies the file (with absolute path) that contains TC
	administrator's password.
[-g= <group-name>]</group-name>	TC group associated with the $-u = $. If this
	argument is not given or used without a value, the

user's default group is assumed.

[-for_group= <group-name>]</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-nar< td=""><td>ne>] TC role specific to which ui config objects</td></role-nar<>	ne>] 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</workspace-name>	
	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>]</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></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.

- <u>c:\plm\dispatcher\Module\conf\translator.xml</u>
- <!- Configuration of the asyncservice ->
- <AsyncService provider="SIEMENS" service="asyncservice" isactive="true">
- <TransExecutable name=,,asyncservice.bat" dir="&MODULEBASE;/Translators/asyncservice,,/>
- <u>c:\plm\dispatcher\Module\Translators\asyncservice\asyncservice.bat</u>
- set TC_ROOT=C:\plm\tc12
- set TC_DATA=C:\plm\tcshare\tc12\tcproddata
 - Die Präferenz EPM_task_execution_mode kann auf FOREGROUND stehen bleiben.

19 Icon Status Av4_Obsolete (old!)

Help:

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

Als erstes muss ein Icon für den Staus erstellet werden.

Als Basis dient folgende Datei:

 $\label{eq:cond} \end{tabular} \end{tabular$

Kopie erstellen und enstpechend anpassen

indicatorReleasedAv4_Obsolete16.svg

als nächstes muss der Status in AWC konfiguriert werden

folgende Datei editieren: neu: ein eigenes KIT erstellen

.NET

 $\label{eq:constraint} \end{tabular} \end{t$

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:

 $\label{eq:avaCentralRepo} avaBase\Tc12.x\trunk\Icons\AWC_Icons\indicatorReleased*16.svg$

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

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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=_strue" disabled=_sfalse" protectionScope=_Site" envEnabled=_sfalse">
```

<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,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

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

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

<u>Delete</u> 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 werde.

Darin muss folgende Zeile ergänzt werden:

Wird

isAutoAssign="false"

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