

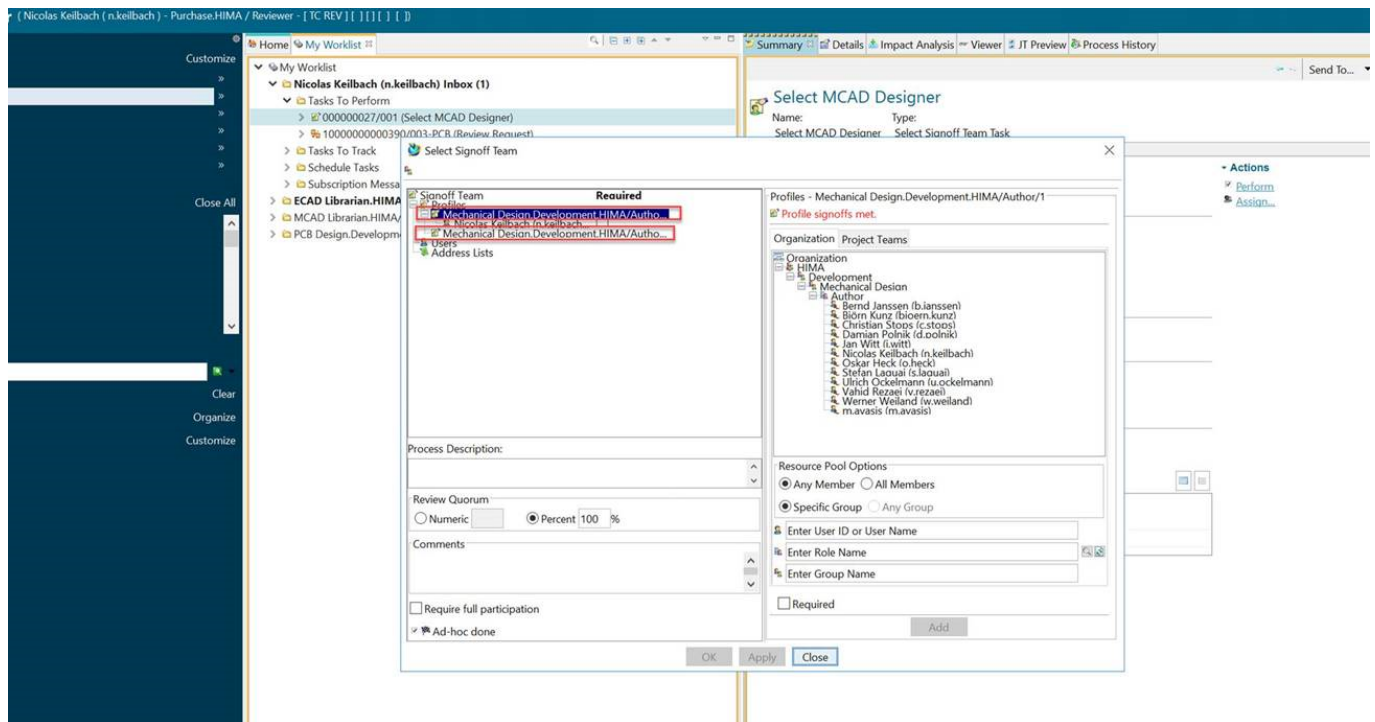
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Überprüfung von exportierten Workflows auf doppelte Einträge

1. Ursache

Die Workflow Export Funktion von Teamcenter 12.2 ist fehlerhaft. Beim Export werden sporadisch "signoff_profile" Zeilen dupliziert, was zur Folge hat, dass die Genehmiger doppelt im Workflow erscheinen und dieser stecken bleibt (siehe Screenshot).



Um dies zukünftig zu vermeiden muss diese Arbeitsanweisung für Workflowbearbeiter und Deployer eingehalten werden.

2. Arbeitsanweisung für Workflowbearbeiter

2.1 Doppelte Einträge suchen und bereinigen

In der Workflow XML (hier am Beispiel der "Request_Second_Source.xml") nach dem String "signoff_profile" suchen. Wenn der/die Einträge mehrfach mit derselben DataSetRef ID vorkommen, die mehrfachen löschen. Erst nach Prüfung und Bereinigung darf der Workflow ins Repository committed werden.

```

Request_Second_Source.xml
582 <Item value="Review the temporary component under targets and decide if it is a second source to the component under reference" />
583 <WorkflowTemplate id="id234" name="Select Reviewer" originalId="hHCAAAlEgryJB" signoffQuorum="0" parentTaskTemplateRef="#id234" />
584 <ApplicationRef application="Teamcenter" label="RxAQANCZooV6B" version="RxAQANCZooV6B" />
585 <AssociatedDataSet id="id237" dataSetRef="#id236" role="EPM_signoff_profile" />
586 <AssociatedDataSet id="id246" dataSetRef="#id236" role="EPM_signoff_profile" />
587 <TaskDescription id="id235">
588 <Item value="Select reviewer from the ECAD Librarian Reviewer group." />
589 </TaskDescription>
590 <WorkflowSignoffProfile id="id236" allowSubgroups="false" signoffQuorum="1" numberOfSignoffs="1" roleRef="#id52" groupRef="#id236" />
591 <ApplicationRef application="Teamcenter" label="R1EAQANCZooV6B" version="R1EAQANCZooV6B" />
592 <WorkflowAction id="id238" actionHandlerRefs="#id239 #id240" parentRef="" actionType="2">
593 <ApplicationRef application="Teamcenter" label="RxGAQANCZooV6B" version="RxGAQANCZooV6B" />
594 <WorkflowHandler id="id239" name="EPM-inherit">
595 <ApplicationRef application="Teamcenter" label="RxJAQANCZooV6B" version="RxJAQANCZooV6B" />
596 <WorkflowHandler id="id240" name="EPM-adhoc-signoffs">
597 <ApplicationRef application="Teamcenter" label="RxLAQANCZooV6B" version="RxLAQANCZooV6B" />
598 <Arguments id="id241" type="string">
599 <UserValue title="handler_argument" value="-auto complete" />
600 </Arguments>
601 <WorkflowAction id="id243" actionHandlerRefs="#id244" parentRef="" actionType="2">
602 <ApplicationRef application="Teamcenter" label="R5AQANCZooV6B" version="R5AQANCZooV6B" />
603 <WorkflowHandler id="id244" name="EPM-inherit">
604 <ApplicationRef application="Teamcenter" label="R5CAQANCZooV6B" version="R5CAQANCZooV6B" />
605 <Arguments id="id245" type="string">
606 <UserValue title="handler_argument" value="-task=$PREVIOUS" />
607 <UserValue title="handler_argument" value="-attachment=signoffs" />
608 </Arguments>
609 </WorkflowAction>

```

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3. Prüfung vor Deploy

3.1

Dieser PC > System (C:) > HIMA > trunk > templatesTc12 > av4hima > install > workflows

Name	Änderungsdatum	Typ	Größe
10_Draft_Component.xml	21.04.2020 15:44	XML-Dokument	25 KB
10_Draft_Document.xml	11.03.2020 10:22	XML-Dokument	4 KB
10_Draft_ECAD_Object.xml	11.03.2020		
10_Draft_MCAD_Object.xml	11.03.2020		
10_Draft_SW-FW_Object.xml	11.03.2020		
20_Prototype_Assembly.xml	11.03.2020		
20_Prototype_Component.xml	21.04.2020		
20_Prototype_Firmware.xml	11.03.2020		
20_Prototype_MCAD_Part.xml	11.03.2020		
20_Prototype_PCB.xml	27.03.2020		
20_Prototype_PCBA.xml	28.05.2020		
20_Prototype_Schematic.xml	11.03.2020		
20_Prototype_Software.xml	11.03.2020		
30_Release_Assembly.xml	11.03.2020		
30_Release_Component.xml	24.06.2020		
30_Release_Document.xml	04.06.2020		
30_Release_Firmware.xml	11.03.2020		
30_Release_Manufacturer.xml	11.03.2020		
30_Release_Manufacturer_Part.xml	24.06.2020		
30_Release_MCAD_Design.xml	11.03.2020		
30_Release_MCAD_Part.xml	11.03.2020		
30_Release_PCB.xml	27.03.2020		
30_Release_PCBA.xml	28.05.2020		
30_Release_Schematic.xml	11.03.2020		
30_Release_Software.xml	11.03.2020 10:22	XML-Dokument	24 KB
40_Transfer_to_ERP.xml	15.06.2020 08:37	XML-Dokument	68 KB
40_Transfer_to_ERP_Bulk.xml	15.06.2020 08:37	XML-Dokument	5 KB
90_Set_Inactive.xml	11.03.2020 10:22	XML-Dokument	7 KB

Öffnen

- Auf OneDrive verschieben
- 7-Zip
- CRC SHA
- Edit with Notepad++
- Bulk Rename Here
- Freigabe
- SVN Update
- SVN Commit...
- TortoiseSVN
- WinZip
- Prüfe mit Bitdefender Endpoint Security Tools
- Senden an
- Ausschneiden
- Kopieren
- Verknüpfung erstellen
- Löschen
- Umbenennen
- Eigenschaften

Notepad++

File Edit Search View Layout Plugins Window Help

Update_MP_N_Request_PCB_Second_Source.xml

```
191 <WorkflowTemplate id="id76" name="MCAD Developer: Claim Task and Review" subTemplateRefs="#id77 #id79" originalId="h$CAQAEAZooV6B" signoffQuorum="0" p
192 <ApplicationRef application="Teamcenter" label="R_GAQAQNCZooV6B" version="R_GAQAQNCZooV6B"></ApplicationRef>
193 <UserData id="id94" type="reference">
194 <UserValue title="completeDependencyTaskRef" value="4" dataRef="#id77"></UserValue>
195 <UserValue title="failDependencyTaskRef" value="10" dataRef="#id46"></UserValue></WorkflowTemplate>
196 <WorkflowTemplate id="id77" name="Claim Request" originalId="xHBAQAEAZooV6B" signoffQuorum="-100" parentTaskTemplateRef="#id76" objectType="EPMPerform
197 <ApplicationRef application="Teamcenter" label="x2NAQAQNCZooV6B" version="x2NAQAQNCZooV6B"></ApplicationRef>
198 <UserData id="id89" type="reference">
199 <UserValue title="startDependencyTaskRef" value="2" dataRef="#id79"></UserValue></UserData>
200 <TaskDescription id="id78">
201 <Item value="Review MPN request&#xA;"></Item></TaskDescription></WorkflowTemplate>
202 <WorkflowSignoffProfile id="id79" name="Select MCAD Designer" originalId="xDBAQAEAZooV6B" signoffQuorum="0" parentTaskTemplateRef="#id76" objectType="EPMSel
203 <ApplicationRef application="Teamcenter" label="xyBAQAQNCZooV6B" version="xyBAQAQNCZooV6B"></ApplicationRef>
204 <AssociatedDataSet id="id84" dataSetRef="#id81" role="EPM signoff profile"></AssociatedDataSet>
205 <AssociatedDataSet id="id90" dataSetRef="#id81" role="EPM signoff profile"></AssociatedDataSet>
206 <TaskDescription id="id80">
207 <Item value="Select MCAD Designer to enrich Request"></Item></TaskDescription></WorkflowTemplate>
208 <WorkflowSignoffProfile id="id81" allowSubgroups="false" signoffQuorum="1" numberOfSignoffs="1" roleRef="#id30" groupRef="#id82">
209 <ApplicationRef application="Teamcenter" label="x2IAQAQNCZooV6B" version="x2IAQAQNCZooV6B"></ApplicationRef></WorkflowSignoffProfile>
210 <Organisation id="id82" name="Mechanical Design.Development.HIMA">
211 <ApplicationRef application="Teamcenter" label="QTLAAAnDZooV6B" version="QTLAAAnDZooV6B"></ApplicationRef>
212 <UserData id="id83">
213 <UserValue title="list_of_role" type="reference" value="" dataRef="#id29"></UserValue>
214 <UserValue title="list_of_role" type="reference" value="" dataRef="#id30"></UserValue>
215 <UserValue title="list_of_role" type="reference" value="" dataRef="#id31"></UserValue>
216 <UserValue title="privilege" type="int" value="0"></UserValue></UserData></Organisation>
```

Find result: 48 hits

Search "signoff profile" (48 hits in 33 files)

- C:\repository\avaCentralRepository\Kundenumgebungen\HIMA\trunk\templatesTol2\av4hima\install\workflows\Update_MP_N_Request_PCB_Second_Source.xml (2 hits)
 - Line 74: <AssociatedDataSet id="id36" dataSetRef="#id26" role="EPM signoff profile"></AssociatedDataSet>
 - Line 204: <AssociatedDataSet id="id84" dataSetRef="#id81" role="EPM signoff profile"></AssociatedDataSet>
- C:\repository\avaCentralRepository\Kundenumgebungen\HIMA\trunk\templatesTol2\av4hima\install\workflows\20_Prototype_Assembly.xml (1 hit)
 - Line 192: <AssociatedDataSet id="id99" dataSetRef="#id83" role="EPM signoff profile"></AssociatedDataSet>
- C:\repository\avaCentralRepository\Kundenumgebungen\HIMA\trunk\templatesTol2\av4hima\install\workflows\20_Prototype_Firmware.xml (1 hit)
 - Line 35: <AssociatedDataSet id="id21" dataSetRef="#id11" role="EPM signoff profile"></AssociatedDataSet>
- C:\repository\avaCentralRepository\Kundenumgebungen\HIMA\trunk\templatesTol2\av4hima\install\workflows\20_Prototype_MCAD_Part.xml (1 hit)
 - Line 232: <AssociatedDataSet id="id109" dataSetRef="#id99" role="EPM signoff profile"></AssociatedDataSet>
- C:\repository\avaCentralRepository\Kundenumgebungen\HIMA\trunk\templatesTol2\av4hima\install\workflows\20_Prototype_PCB.xml (1 hit)
 - Line 104: <AssociatedDataSet id="id52" dataSetRef="#id42" role="EPM signoff profile"></AssociatedDataSet>
- C:\repository\avaCentralRepository\Kundenumgebungen\HIMA\trunk\templatesTol2\av4hima\install\workflows\20_Prototype_PCBA.xml (2 hits)
 - Line 350: <AssociatedDataSet id="id153" dataSetRef="#id143" role="EPM signoff profile"></AssociatedDataSet>
 - Line 561: <AssociatedDataSet id="id237" dataSetRef="#id236" role="EPM signoff profile"></AssociatedDataSet>
- C:\repository\avaCentralRepository\Kundenumgebungen\HIMA\trunk\templatesTol2\av4hima\install\workflows\20_Prototype_Schematic.xml (1 hit)
 - Line 130: <AssociatedDataSet id="id62" dataSetRef="#id52" role="EPM signoff profile"></AssociatedDataSet>
- C:\repository\avaCentralRepository\Kundenumgebungen\HIMA\trunk\templatesTol2\av4hima\install\workflows\20_Prototype_Software.xml (1 hit)

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