

XStep Café

- Detect Inconsistent Data of Browser-based PI Sheets and Electronic Work Instructions
- Custom Calculation of Validity for SXS Versions

February 20, 2013

Customer



Agenda

- Detect Inconsistent Data of Browser-based PI Sheets and Electronic Work Instructions (SCN document)
- Custom Calculation of Validity for SXS Versions

Detect Inconsistent Data of Browser-based PI Sheets and Electronic Work Instructions

Test Report to Detect Inconsistent Data Sets

- Transactions CO60/CO60XT offer menu entries for deleting selected PI Sheets and EWIs.
- In most cases all database table entries that belong to selected objects are properly removed.

Problem:

- Sometimes deletion of these entries happens in an incomplete way
 - Data sets are removed from database table that contains application step data (POC_DB_APPL_STEP), but remain in other database tables (as “orphans”).
 - In case application step entries are removed from database table, users can't access corresponding PI Sheets or EWIs by calling transaction CO60/CO60XT anymore.
 - In SAP standard there's also no possibility to detect such orphaned data sets and remove them.

Solution:

- Report for Scanning Database Tables and XML Files
- SCN publication ([link](#))

Test Report Execution

Detect Inconsistent Data of PI Sheets/Electronic Work Instruc

Scanned Document IDs: 71 Displayed Results: 71

No Orphans	PI Sheet/EWI	Sum	Data XML	Layout XML	APPL_STEP
✘	1000000000000000975	9	✘	✘	0
✘	1000000000000000976	9	✘	✘	0
✘	1000000000000000977	9	✘	✘	0
✘	1000000000000000978	6	✘	✘	0
💡	1000000000000000979	0	💡	💡	0

Detect Inconsistent Data of PI Sheets/Electronic Work Instructions

Scanned Document IDs: 71 Displayed Results: 71

No Orphans	PI Sheet/EWI	Sum	Data XML	Layout XML	APPL_STEP	C_COMMAND	C_COMMENT	C_DEVIAT	C_
✘	1000000000000000960	6	✘	✘	0	2	0	0	
💡	1000000000000000961	0	💡	💡	0	0	0	0	
💡	1000000000000000962	0	💡	💡	0	0	0	0	
💡	1000000000000000963	0	💡	💡	0	0	0	0	

PI Sheets/EWIs with missing XML files

Custom Calculation of Validity for SXS Versions

Improved Automatic Calculation of Valid-to Date for SXS Versions (TA CMX21)

Problem:

- When SXS versions are released (for test) the implemented SAP standard logic doesn't recalculate valid-to dates of released SXS versions with valid-to dates that are smaller than new valid-from date of SXS versions.

Solution:

- Customer-specific calculation with the help of new BAdI BADI_CMX_XSR_VERS
 - Shipped with SAP note 1792912 ([link](#))

Custom Calculation of Validity for SXS Versions Standard Logic (Inactive BAdI)

Standard XSteps	Repository for Versioned Standard XSteps
<Folder>	
00 XStep Café: Valid-to Date of SXS vers	Calculation of Valid-to Date of SXS versions
Active BAdI	
Inactive BAdI	
SXS for Testing Version Date	Sample
0001	Version 0001: Released Approved; Validity Period: 20.02.2013 - 26.02.2013
0002	Version 0002: Release for Test; Validity Period: 27.02.2013 - 00.00.0000
0003	Version 0003: In Process; Validity Period: 07.03.2013 - 00.00.0000

Inactive BAdI	
SXS for Testing Version Date	Sample
0001	Version 0001: Released Approved; Validity Period: 20.02.2013 - 26.02.2013
0002	Version 0002: In Process; Validity Period: 01.03.2013 - 00.00.0000
Valid from 27.02.2013	XStep Tree
0003	Version 0003: In Process; Validity Period: 07.03.2013 - 00.00.0000

No automatic adjustment of valid-to date for version 0001 during releasing version 0002 for test

Inactive BAdI	
SXS for Testing Version Date	Sample
0001	Version 0001: Released Approved; Validity Period: 20.02.2013 - 26.02.2013
0002	Version 0002: Release for Test; Validity Period: 01.03.2013 - 00.00.0000
Valid from 27.02.2013	XStep Tree
0003	Version 0003: In Process; Validity Period: 07.03.2013 - 00.00.0000

Custom Calculation of Validity for SXS Versions

Customer Logic (Active BAdI)

Active BAdI	
SXS for Testing Version Date	Sample
0001	Version 0001: Released Approved; Validity Period: 20.02.2013 - 26.02.2013
0002	Version 0002: In Process; Validity Period: 01.03.2013 - 00.00.0000
Valid from 27.02.2013	XStep Tree
0003	Version 0003: In Process; Validity Period: 07.03.2013 - 00.00.0000

Active BAdI	
SXS for Testing Version Date	Sample
0001	Version 0001: Released Approved; Validity Period: 20.02.2013 - 26.02.2013
0002	Version 0002: In Process; Validity Period: 01.03.2013 - 00.00.0000
0003	Version 0003: In Process; Validity Period: 07.03.2013 - 00.00.0000

Sta...	Ver...	Valid-To Date Old	Valid-To Date New	Comment
	0001	26.02.2013	28.02.2013	New Valid-To Date for Version 0001

Automatic adjustment of valid-to date for version 0001 during releasing version 0002 for test

Active BAdI	
SXS for Testing Version Date	Sample
0001	Version 0001: Released Approved; Validity Period: 20.02.2013 - 28.02.2013
0002	Version 0002: Release for Test; Validity Period: 01.03.2013 - 00.00.0000
Valid from 27.02.2013	XStep Tree
0003	Version 0003: In Process; Validity Period: 07.03.2013 - 00.00.0000
Inactive BAdI	



Thank you