

XStep Café

Archiving XSteps using ADK

Welcome to the XStep Café!

SAP offers a wide variety of solutions also for the supply chain manufacturing processes.

- ERP PP and PP-PI
- MII (Manufacturing Integration and Intelligence)
- SAP (Supply Chain Management) industries

In ERP there is also a solution called PI Sheet (PP-PI) or Electronic Work Instructions (PP from ERP 6.03 on). Since ERP 4.7 extension 2.0 the PI Sheets can be defined using XSteps. On the pages of this blog you will find a lot useful information like:

- Recordings of live web sessions
- Articles
- Presentations
- Tips and Tricks
- Links

Have fun!

Archive Administration Edit Goto Environment System Help

Archive Administration: Initial Screen

Archiving Object: CMX_XS

Actions:

- Write
- Delete
- Read
- Management

Archive Administration Edit Goto System Help

Archive Administration: Overview of Archiving Sessions

Archiving object: CMX_XS

Sessions and Files for Archiving Object	Note
Complete Archiving Sessions	
667 - 669 (10.09.2014 - 10.09.2014)	
669 - 10.09.2014	XS XSV prod.
668 - 10.09.2014	XS MOR prod
667 - 10.09.2014	XS MRC prod

Program Edit Goto System Help

XSteps-Archivierung (ADK): Leseprogramm (Archiv-Index)

Auswahlkriterien für Datenselektion

Anwendung: []

Auswahl Datum/Uhrzeit bzw. Tag: DATETIME

Angelegt am: [] to []

Angelegt um: 00:00:00 to 00:00:00

Objekte nicht älter als: 0

ALV-Layout Ergebnisliste: []



Cockpit Posts Comments

Visitors: 78504, Today: 54, Per Day: 47
Register / Login / Search...

News

Next Session:
Public
July 9, 2014
3 pm Berlin Time
Check with your time zone

Social Media



Poll

How many of your users use the PI Sheet / EWI productively?

- Only test usage
- 1-10
- 11-50
- 51-100
- 101-250
- 251-500
- >500

Vote (View Results)

Article Collections

- Top Rated Articles
- Articles from Arne Manthey

Tag cloud

ABAP Activity Approval Archiving
BAdI Batch Calculations Change
Management Characteristics
Coding Commands
Confirmation CSS Discrete
Manufacturing EBR Events
EWI External Systems
F4-Help Function
modules Generation
Scopes Maintenance MDA
MII Mobile OPC OSS
Note Overview Parameters

Agenda

Archiving XStep Data – Follow Up

- General information

Solution Proposal: Archiving XStep Data using Archive Development Kit (ADK)

- Solution approach
- Live Demo

Wrap Up

- Important links

Archiving XStep Data

General Information

General

- XStep data can only be **archived** after the leading object (master recipe, manufacturing order, Standard XStep) is archived

XStep Archiving - Sequence

- Start archiving leading object corresponding XStep trees are “marked for archive”
- Start archiving XStep trees
- Start deletion of XStep data from the database tables
 - Physically delete the XStep tree from the database

Archiving XStep Data using XML Data Archiving Solution

XML DAS: Technical Prerequisites & Challenges

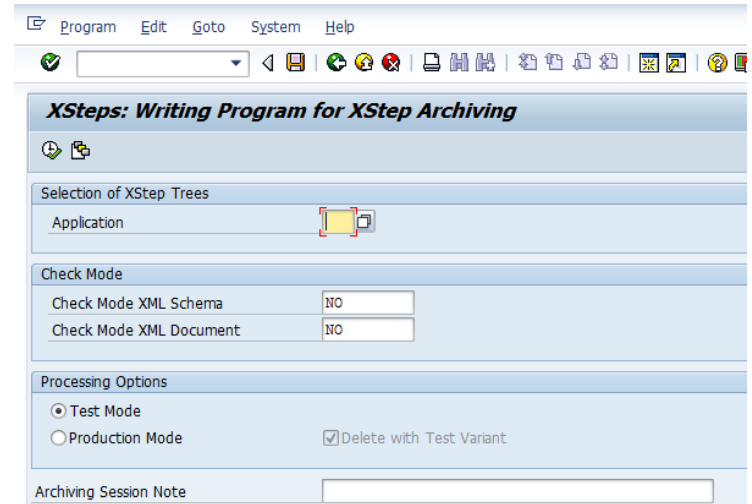
XML Data Archiving Solution

Technical prerequisites (extract):

- System containing JAVA J2EE engine
 - WebDAV storage (file system not recommended)
- RFC connection from ERP System to XML DAS
- Proper customizing settings for XSteps (TA SARA)
 - see demo

Challenges:

- Writing report with insufficient data selection
- Restricted search functionality (no archive explorer support)
- Less detailed archiving log information compared with ADK log files
- Usage of JAVA
- Low XML DAS adoption at SAP
- Information Lifecycle Management (ILM) support not as good as for ADK archiving



Solution Proposal: Archiving XStep Data using ADK

Solution Approach

ADK-based Data Archiving Solution – **PLANNED SOLUTION**

Idea: Use ADK for archiving data of XSteps and their parent application

- Questions:
 - How to display archived Xstep data outside of the application?
 - How to determine creation date of XStep tree?
 - Field **ORIGIN_TIMESTAMP**?
 - **ORIGIN_TIMESTAMP** is **inherited** from original object
 - 12.11.2013: XS tree of master recipe A created
 - 01.09.2014: XStep tree of master recipe B, copied on from A -> 12.11.2013
 - 10.09.2014: XStep tree of process order 1234, using master recipe B -> 12.11.2013

Solution Proposal: Archiving XStep Data using ADK

Solution Approach

ADK-based Data Archiving Solution – **PLANNED SOLUTION**

Realisation:

- Shipment via SAP note (starting with ERP 2005 [ECC 6.00])
 - Documentation of new archiving object delivered later
- New archiving object CMX_XS
- New archiving write report RCMX_XS_ADK_ARC_WRI
- New archiving deletion report RCMX_XS_ADK_ARC_DEL
- New archiving read report RCMX_XS_ADK_ARC_READ
 - Show XStep tree data in list form
 - Downloadable XML file format
- Setting creation date value
 - Report RCMX_XS_ADD_CREA_TS_TO_XS_TREE
 - During creation/copying XStep objects (after implementation of the SAP note)
 - During execution of archiving write report

Solution Proposal: Archiving XStep Data using ADK

Live Demo

Demo Steps

Archive XSteps of Master Recipe

Archive XSteps of Process Orders

Wrap-Up

SAP Library

Help portal

- [Data Archiving](#)
- [Archiving of XSteps](#)
- [Archiving and Deleting SXS Versions](#)
- [Archiving and Deleting Master Recipes and XSteps](#)
- [Archiving and Deleting Process Orders and XSteps](#)



Thank you

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