

# XStep Café

## Welcome to the XStep Café!

# Archiving XSteps

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 S/4HANA (formerly SAP S/4) is mainly for discrete 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 extra information like:

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

July 09, 2014

Have fun!

Archive Administration Edit Goto Environment System Help

**Archive Administration: Initial Screen**

Logs Customizing Database Tables Statistics

Archiving Object: **CMX\_XSTEPS** XSteps

Actions:

- Write
- Delete
- Management

Program Edit Goto System Help

**XSteps: Writing Program for XStep Archiving**

Selection of XStep Trees

Application: [ ]

Check Mode

Check Mode XML Schema: NO

Check Mode XML Document: NO

Processing Options

Test Mode

Production Mode

Delete with Test Variant

Archiving Session Note: [ ]

Archive Administration Edit Goto System Help

**Archive Administration: Execute Delete Program**

Customizing Management Database Tables

XSteps

Client: 001

User Name: **DIITES**

Test Mode

1 No. of Delete Jobs

Archive Selection:  Maintained

Start Date:  Maintained

Spool Parameters:  Preset



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

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## Archiving XStep Data

- General information

## Archiving XStep Data using XML Data Archiving Solution (XML DAS)

- XML DAS: Technical Prerequisites & Challenges
- Live-Demo

## Prototype: Archiving XStep Data using Archive Development Kit (ADK)

- Solution approach
- Live Demo

## Wrap Up

- Important links

# Archiving XStep Data

## General Information

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### General

- XStep data can only be **archived** after the leading object (master recipe, manufacturing order, Standard XStep) is archived
- Tree structure of XStep data is reflected in the way XSteps are archived
  - Convert XStep tree data into XML file
  - Archive the XML file (using XML Data Archiving Solution [XML DAS])

### XStep Archiving - Sequence

- Start archiving leading object corresponding XStep trees are “marked for archive”
- Start archiving XStep trees
  - TA SARA: Archiving object CMX\_XSTEPS
- 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

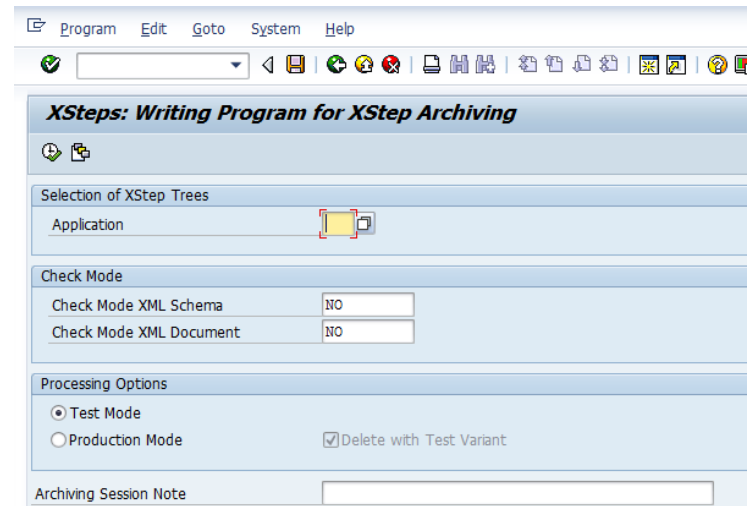
### XML Data Archiving Solution

#### 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



# Archiving XStep Data using XML Data Archiving Solution

## Live Demo

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### Demo Steps

#### Customizing Settings (TA SARA)

- Archiving Object-Specific Customizing
  - Technical Settings
- Basis Customizing
  - Customizing of Home Paths
  - Configuration of XML DAS
  - Synchronization of Home Paths

#### Archive XSteps of SXS Versions

- **Remark: The errors that occurred during displaying the archived XStep trees in the XStep repository result from incomplete customizing settings**

#### Archive XSteps of Master Recipe

# Prototype: Archiving XStep Data using ADK

## Solution Approach

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### **ADK-based Data Archiving Solution – PROTOTYPE!**

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

- Advantages:
  - ILM compliance easier to archive
  - No JAVA J2EE system required
  - Usage of archive information system
  - Detailed logs
- Disadvantages:
  - Structure of the XStep tree isn't easily recognizable
    - Archived XStep data organized in tables, not in one single XML file
  - Loading archived XStep data from archive requires building the XStep tree from archived DB table content

# Prototype: Archiving XStep Data using ADK

Live Demo

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## Demo Steps

Archive XSteps of SXS Versions

Archive XSteps of Master Recipe

# Wrap-Up

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## 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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