# XStep Café
## Archiving XSteps using ADK
### September 10, 2014

Public

# 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 **<u>archived</u>** 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
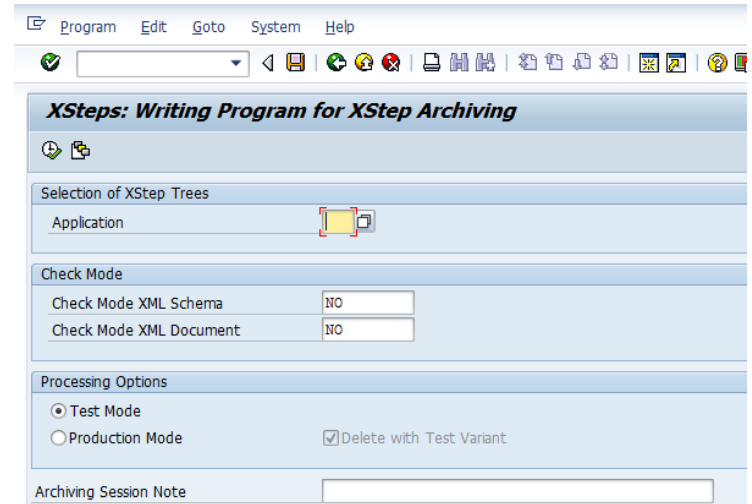
# Solution Proposal: Archiving XStep Data using ADK
Solution Approach

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**ADK-based Data Archiving Solution – <span style="color:red">__PLANNED SOLUTION__</span>**

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
      - o 12.11.2013: XS tree of master recipe A created
      - o 01.09.2014: XStep tree of master recipe B, copied on from A -> 12.11.2013
      - o 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 – <span style="color:red">__PLANNED SOLUTION__</span>**

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

# Solueion 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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