

Transfer Long Text Values of XSteps using Process Messages

XStep Café

September 09, 2015

Public

Object	Description
Standard XSteps	Repository for Versioned Standard XSteps
Testdaten EBR-Prüfung	Testdaten EBR-Prüfung
2015-09-09 XStep Café	Long Text Value Transfer
Temperature Recording (PM -> DB)	Process Message
Version 0001	Version 0001: Released; Validity Period: 09.09.2015 - 00.00.0000
Standard XStep Temperature Recording (PM)	XStep Tree
• Work Instructions/PI Sheet	Plant , control recipe destination , address
• Table for Entering Temperature Values	
• Table	
• Temperature Recording	
• Resource	
• Temperature	
• UoM	
• Comment	
• Date	
• Time	
• User	
• ZUD_TEMP	
Temperature Recording (PM -> FM)	Process Message
0001	Version 0001: Released; Validity Period: 09.09.2015 - 00.00.0000
Standard XStep Temperature Recording (PM)	XStep Tree
• Work Instructions/PI Sheet	Plant , control recipe destination , address
• Table for Entering Temperature Values	
• Table	
• Temperature Recording	
• Resource	
• Temperature	
• UoM	
• Comment	

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General Remarks

Challenge:

- Transfer/record comments or long texts that contain more than 30 characters in length

Solution:

- Use XSteps in combination with process messages
 - Solution approach published on SAP Community Network (SCN)
 - Document [Transfer Long Text Values of XSteps using Process Messages](#)

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Demo – Description of Scenario

Scenario:

- Record process data like temperatures in tabular format.
- Recorded values are stored in a custom database table
- Record comments or long texts that contain more than 30 characters in length

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Demo – Solution Proposal

Solution proposal:

- Value transfer of the temperature data with custom process messages
- Table element of the browser-based PI Sheet/EWI based on Standard XStep
 - Table line contains input fields for recording the temperature value and a comment
- Data of each table line is assigned to a process message
 - Process message is created when the table line is completed
- Data transfer to custom database table by sending the process message

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Demo – Custom Elements (I)

Custom elements:

- Two custom process message characteristics
 - ZUD_PPPI_TEMP_VAL & ZUD_PPPI_TEXT40
- Custom Database Table ZUD_XS_TEMP_REC
- Custom function modules as process message destinations
 - ZUD_COCD_MSD_SAVE_TEMP_VAL

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Demo – Custom Elements (II)

Custom elements:

- Custom process message destinations
 - ZUD1 (ABAP database table)
 - ZUD2 (function module [ZUD_COCD_MSD_SAVE_TEMP_VAL])
- Custom process message categories
 - ZUD_TEMP (destination ZUD1)
 - ZUD_TVAL (destination ZUD2)
- Standard XSteps



Thank you