Creating Projects in SAP
(Not Manually...With Winshuttle)

Corey B. Holstege
Project Lead, The Home Depot
Agenda

- Introduction
- The Challenge
- The Solution
- Benefits, Lessons Learned & Future Plans
- Q&A
About The Home Depot

• Founded in 1978
• World’s largest home improvement retailer
• More than 2,200 stores across North America.
• $88.5 Billion in Revenue in 2015
• 385,000+ Associates
• More than 35,000 products in store and more than 1 million products online
About me

• Transplant to Atlanta, GA from Grand Rapids, MI
• Project Lead in Finance Integration
• At The Home Depot for 2 years
• 4 years as an SAP Consultant with Accenture
• Worked with SAP for 8 years
• Avid DIY-er and bookworm
The Challenge

• A Finance group annually creates between 300 and 1,000 projects in SAP.
• One Associate would key these in manually, one at a time.
• It took approximately 5 minutes per project totaling 1 to 2 weeks full time (i.e. 40-80 hours) to create all the necessary projects.
• This Associate would literally do nothing else for up to 2 weeks.
• A 23 page SOP existed for this process, utilizing two Tcodes: IMA11 and CJ20N.
The Solution

- Transaction V10.7
- 7 scripts total
- 6 of the scripts chained together
- 1 Excel workbook
- 1 Text file
- 1 macro
Script 1: Create Appropriation Request

- Tcode: IMA1N
- Mode: Batch
- Number of Fields uploaded: 10

![Display Appropriation Request:](image)

Need to enter multiple “Persons involved”
Using “Reference” can “insert” values you need!
Script 2: Create Capital and Expense WBS Elements

- Tcode: IMA2N
- Mode: GUI Scripting
- Number of Fields uploaded: 3

You can map multiple SAP fields from multiple Scripts to the same Column in Excel.
Script 3: Attach Documentation in SAP

- Tcode: IMA2N
- Mode: GUI Scripting
- Number of Fields uploaded: 3

You can upload attachments!

“No changes were made” doesn’t mean nothing was done.
Script 4: Enter additional Data

- Tcode: CJ20N
- Mode: Non-batch with Controls
- Number of Fields uploaded: 3

Always use the Menus in CJ20N.

There is a setting that controls if CJ20N opens in “Display” or “Change” mode.
Script 5: Enter additional Data

- Tcode: CJ20N
- Mode: Non-batch with Controls
- Number of Fields uploaded: 4

Deviate from the SOP where necessary.

Don't search....enter the value directly!
Script 6: Retrieve WBS elements

- Tcode: SQ01
- Mode: Batch
- Number of Fields uploaded: 1
Script 6: Retrieve WBS elements

• Create Variant in SQ01 to store file location of text file
• Set User Parameters in SU3 to default Query Area and User Group in SQ01
Script 6: Retrieve WBS elements

- Default the name of the query and the name of the variant in the script
- This reduces the input fields on the excel workbook
- Keeps the workbook clean for the user
Script 6: Retrieve WBS elements

- End result is a text file that lists:
  - Project #
  - WBS Element
  - Description
  - Level of the WBS Element in the project
Load text file into Excel

- Link the text file to a worksheet in the Excel Workbook.
- After first load, uncheck “Prompt for file name on refresh”
Remember...

- Remember SQ01 script downloaded ALL WBS #s for the project
- We only need to update the WBS #s under the Second Level 1
Macro to prep data for script 7

- Refreshes data connection to populate worksheet from text file
- Finds the 2\textsuperscript{nd} level 1 for each project and copies the project # and WBS # to another worksheet
Macro to prep data for script 7

- Copies the Cost Center # in Cell C3 down for every row that was put on the worksheet.
- Data is prepped for Script 7
Script 7: Retrieve WBS elements

- Tcode: CJ02
- Mode: Non-batch without controls
- Number of Fields uploaded: 3+

Sometimes you need to update items one by one.
Wrap it up in a bow

• Additional worksheets:
  • Index
  • Instructions
  • SAP Setup
  • Winshuttle Instructions
  • Visual Mapping
  • Data Dictionary
Results

- Manually: approximately 5+ minutes per project
- Solution: approximately 2 minutes per project
- Allows the user to multi-task while the scripts are executing, improving productivity
- Improves accuracy of data entry
Lessons Learned

- Understand the business process that you are scripting
- Partner with IT
- Ensure that all Tcodes your scripts use are assigned to an SAP role in Production
- Ensure the Associate has access to all Tcodes that need to be utilized
- You can map multiple SAP fields, from multiple Scripts, to the same Column in Excel
- There are many ways to do the same thing in ECC
- As simple as possible, as complex as necessary
- It will always take longer than you planned
- Sometimes you have to scrap a script
- Communication
- You can upload attachments!
What’s next

• Transition to Studio
• Continue to refine the current scripts
• Expand the solution to other departments
Thank you

Remember to complete your session evaluation!
Download & login to the WUG app!

Download from the AppStore or Google Play

Click the menu icon & select Login for more features

Find sessions, build a schedule, network & more!

Have questions? Ask a Winshuttle team member!
Remember to complete the session survey!