Tackling complex finance transaction automation with Winshuttle

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WINSHUTTLE USER GROUP CONFERENCE

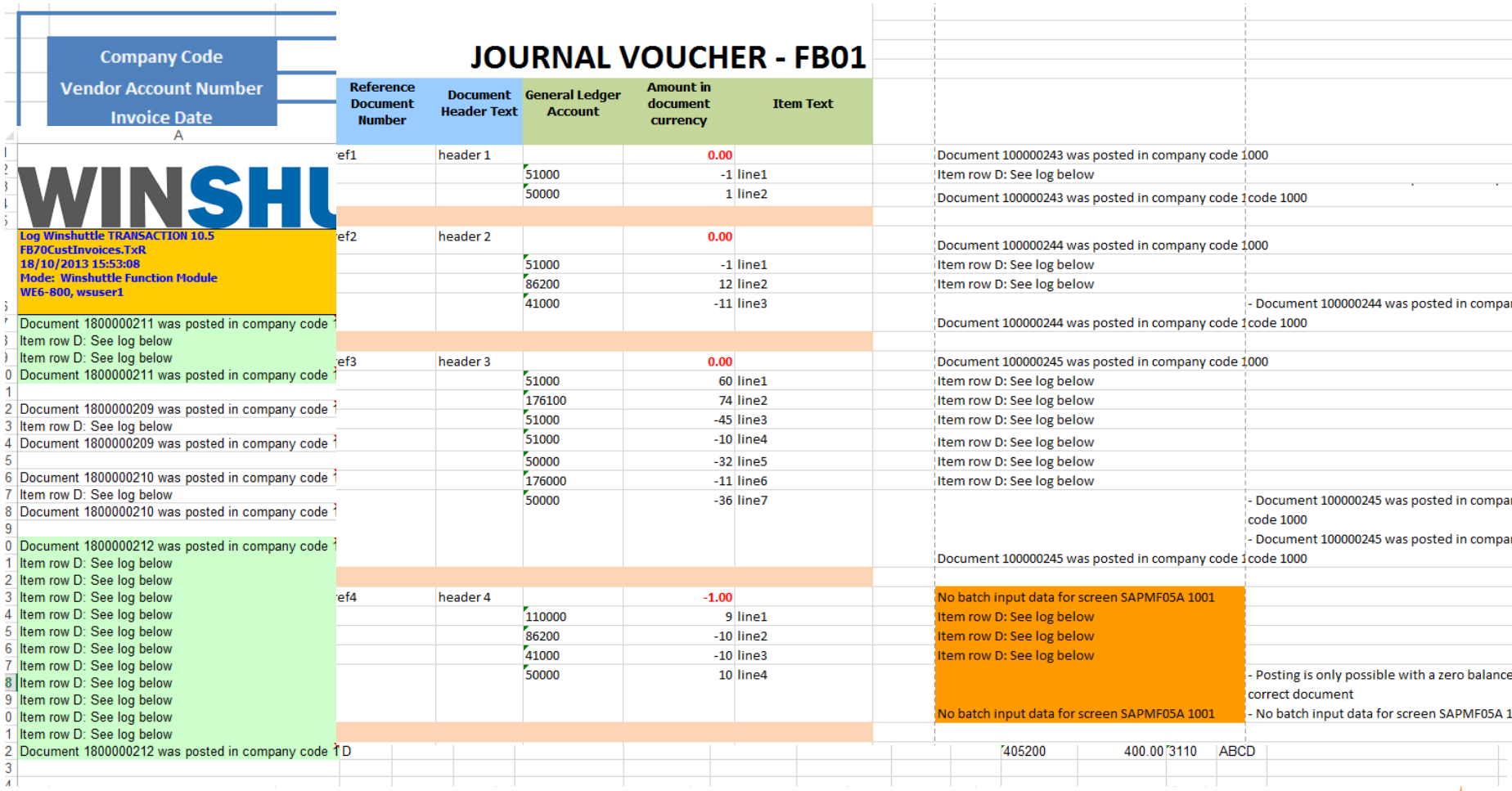
What is complex?

- Different types of journals
  - Standard Journals, Recurring Journals, Valuation Journals etc.
  - All uploads from a single data source
  - Large Data Volumes
  - Technical limits of the SAP transaction (999 lines)
- Screen behavior of SAP
  - Hidden fields
  - Changing field groups
  - COPA attributes on a journal
- Hierarchy Data
- Finance Analytics

1. Different Types of Journal

Category	Type	Transaction Codes
General Ledger	Simple Post	FB50, FV50, FB01, F-02, FB50L
	COPA	FB50
	Multi Company	FB50, FB01, F-02
Accounts Payable	Simple Post	FB60, FB65
	Simple Post – Park Vendor Invoice	FV60
	Simple Post – Park Vendor C redit Memo	FV65
Accounts Receivable	Simple Post	FB70, FB75
	Simple Post – Park Customer Invoice	FV70
	Simple Post – Park Credit Memo	FV75
Accrual Deferral Recurring Journals, Valuation Journals etc.	Simple Post	FBS1, FBD1
	Multi Company Post	FBS1, FBD1

Winshuttle Solution for Different journal types

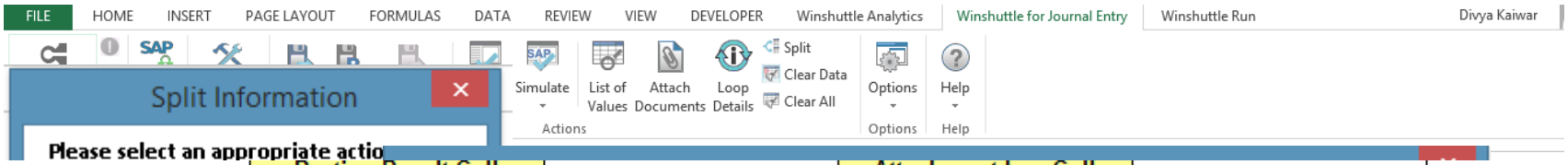


Individual Excel/ Form templates to work with the different journal types

Technical limits of the SAP transaction (999 lines)

- Journals with line items >999 lines cannot be posted
- Manual splitting of the journal is cumbersome
- Journal Split should be based on Account details, Company code etc.
- Rework of data is time consuming
- Temporary, quick fix, short-term solutions not viable
- Still a problem with S4 HANA Simple Finance

Large Volume Journals – Split document



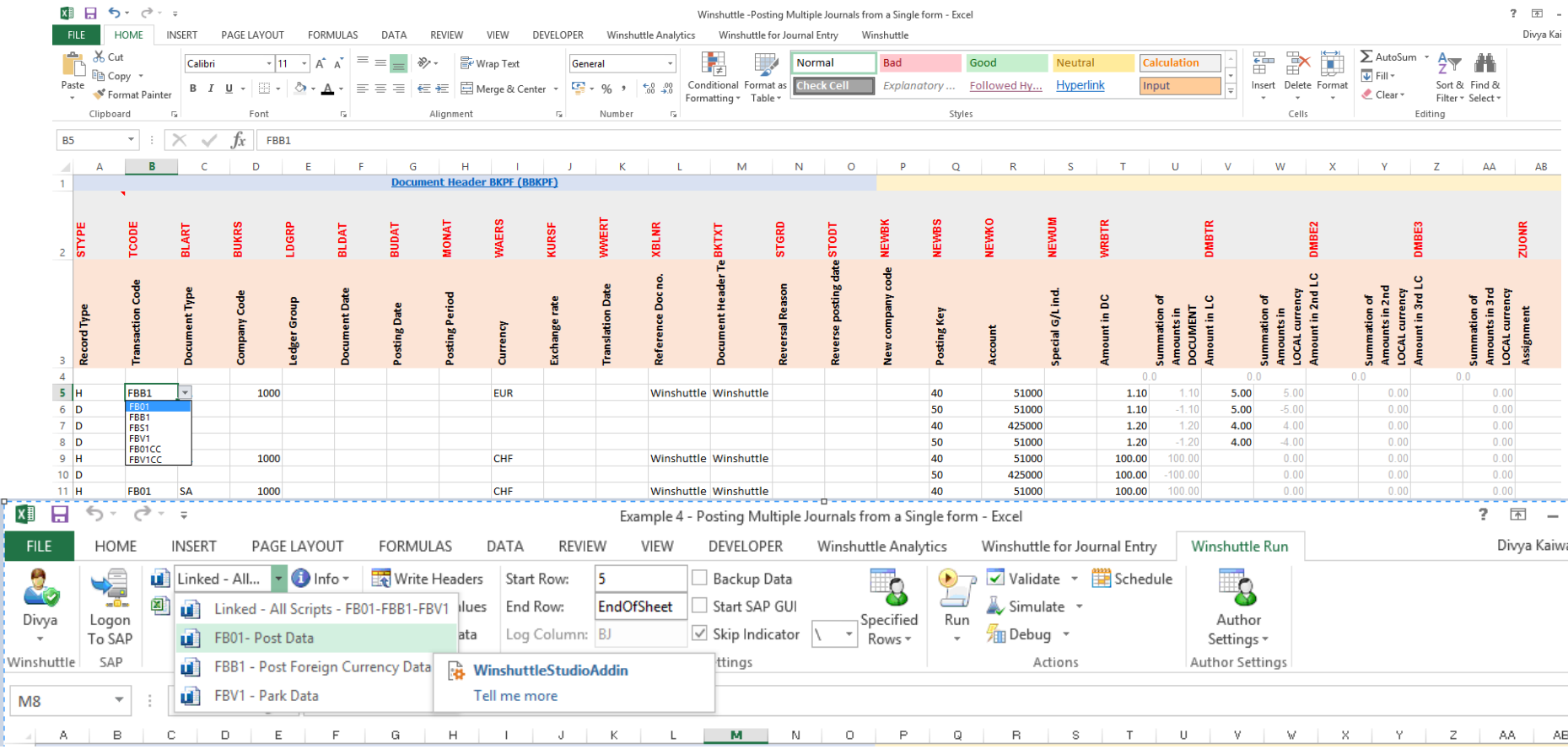
Posting Result Cell		Attachment Log Cell	
Balance Output Cell	BALANCED		
Total Credit Cell	7376		
Total Debit Cell	7376		

ACGL_ITEM-HKONT General Ledger Account*	ACGL_ITEM-SHKZG Debit/Credit Indicator*	ACGL_ITEM-WRBTR Amount in document currency*	ACGL_ITEM-BUKRS Company Code*	ACGL_ITEM-MWSKZ Sales Tax Code	ACGL_ITEM-SGTXT Item Text
50000	S	12	1000		line1
51000	H	343	1000		line2
86200	S	123	1000		line3
41000	S	124	1000		line4
50000	S	84	1000		Offset Account
176100	H	3232	1000		line5
176000	H	256	1000		line6
110000	S	120	1000		line7
41000	S	6534	1000		line8
50000	H	3166	1000		Offset Account
176100	H	111	1000		line9
176000	H	256	1000		line10
110000	S	120	1000		line11

Winshuttle for Journal Entry provides an out-of-box document split function

Working example

All from a Single Source?

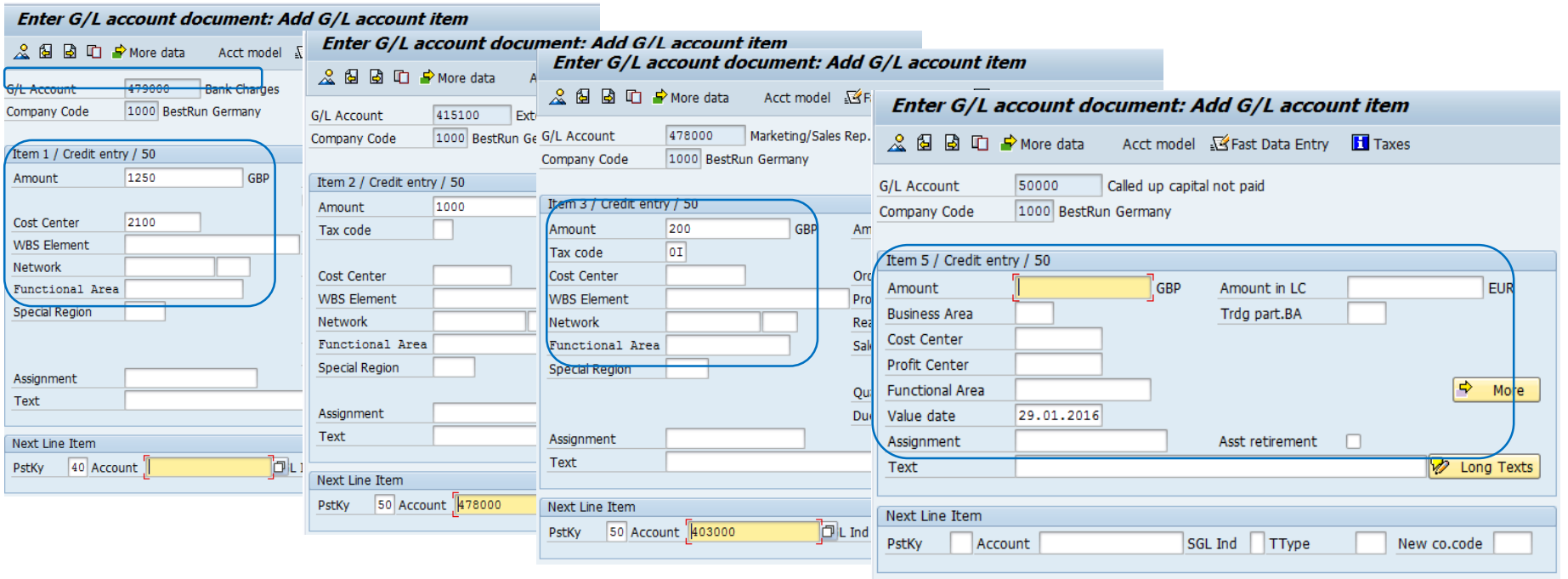


All in a single excel file – as individual or linked scripts with conditions

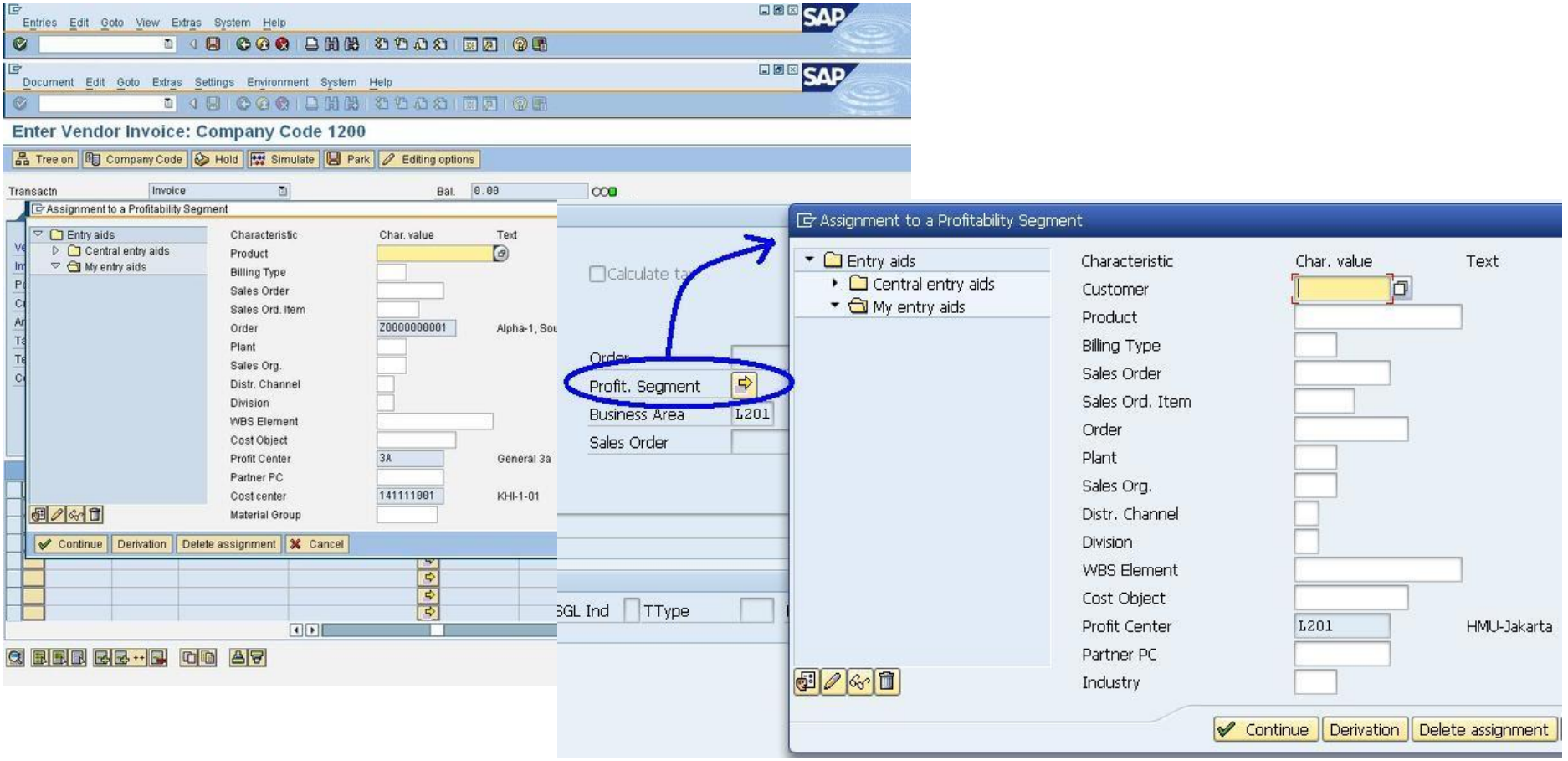
Working example

2. Screen behaviors of SAP

- Field groups in SAP - Example- FB01 – G/L Account dependent fields

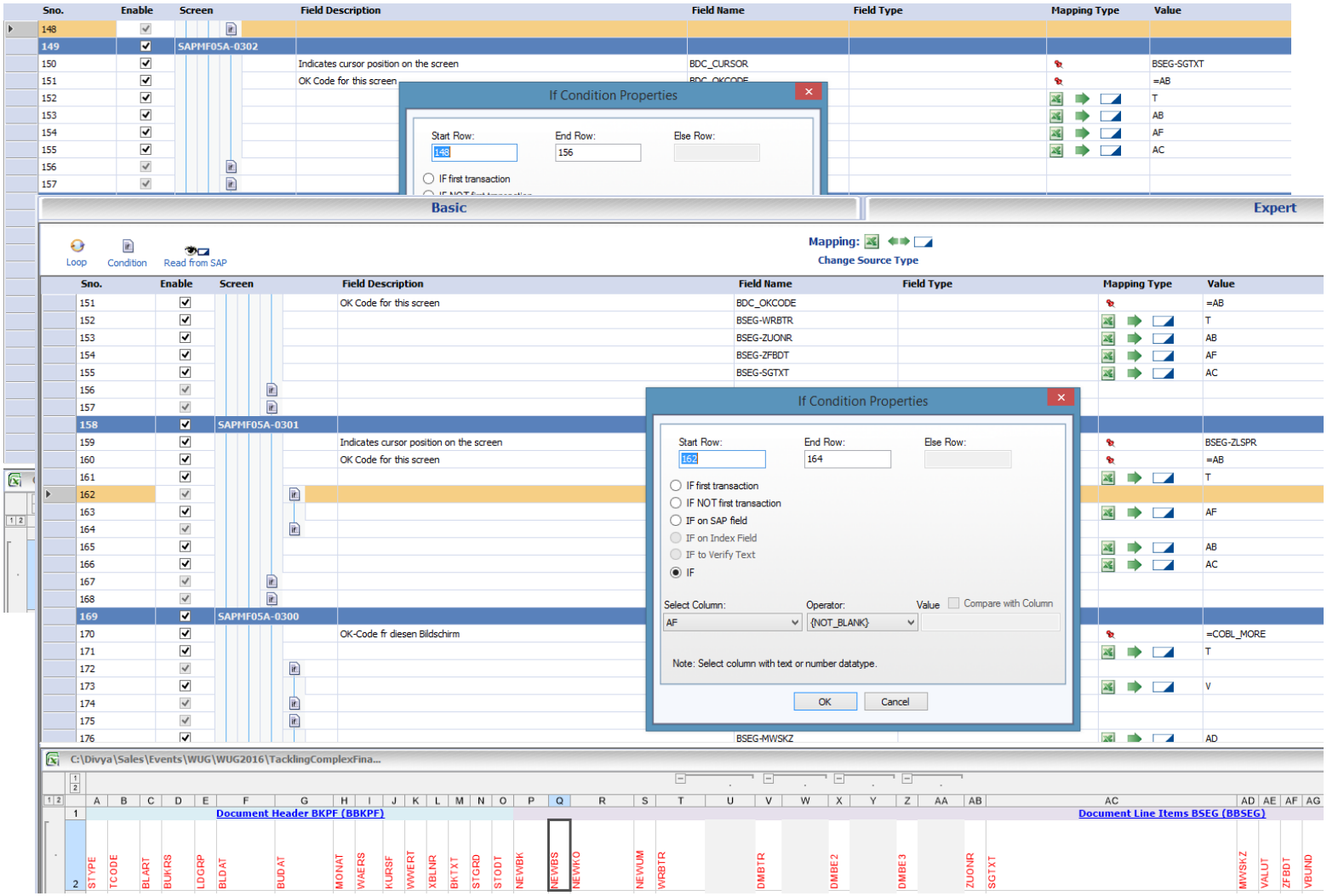


Profitability Segment (COPA) attributes on a journal



Use of If Conditions within the script is the solution

Winshuttle tactic for handling multiple screens – Conditional Logic



Based on Data

Example – Posting Keys, Account Number ranges

Based on User Knowledge

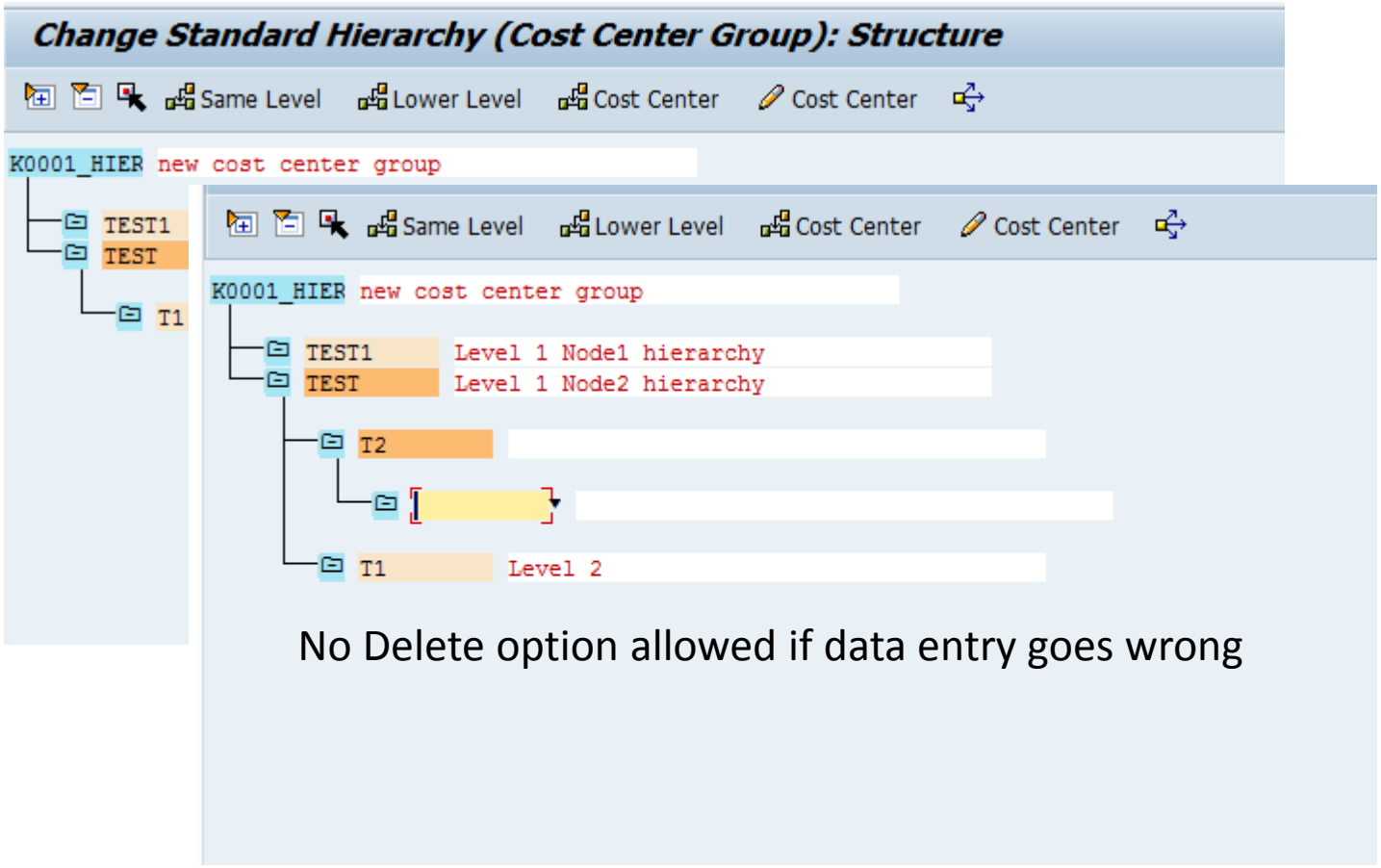
Skip Field, Blanks

Script examples

3. Hierarchy Data – KSH1/2/3 as an example

- Cost center groups are represented by a tree hierarchy in SAP
- Challenges include
  - Location of a particular line of data
  - Search options on the screen just finds the data. Does not provide data selection
  - Options to work with the data selected are few
- Standard recording modes do not capture the fields in SAP

SAP Tree Structure

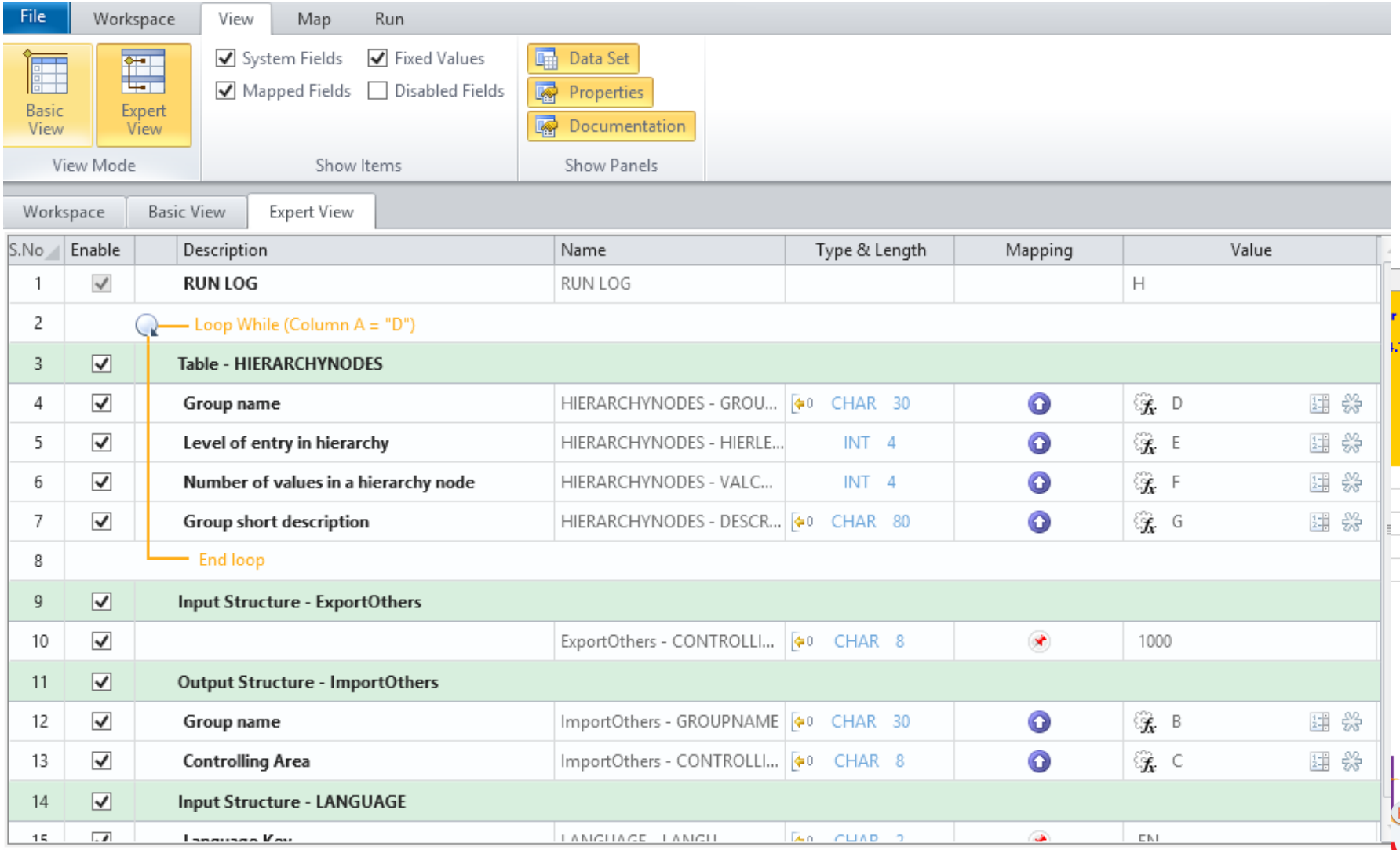


No Delete option allowed if data entry goes wrong

Winshuttle Solution

- GUI Scripting recording mode
  - Foreground run
  - Needs to be enabled on SAP to be able to use this mode
- BAPI
  - A better solution for KSH1, KSH2 , KSH3
  - Not dependent on screen complications
  - BAPI_COSTCENTERGROUP_CREATE
  - BAPI_COSTCENTERGROUP_GETDETAIL
  - BAPI_COSTCENTERGROUP_ADDNODE

Example using BAPI for Create



Script examples

4. Finance Analytics

- Data extraction needs
  - Large Data Volumes
  - Data held in structures
  - Need for multiple outer joins to get the correct data set

- Data Analysis & reporting needs
  - Meaningful information required from the data in SAP
  - Decision worthy
  - Excel formulae not sufficient for complex business logic
  - Reusable and reportable

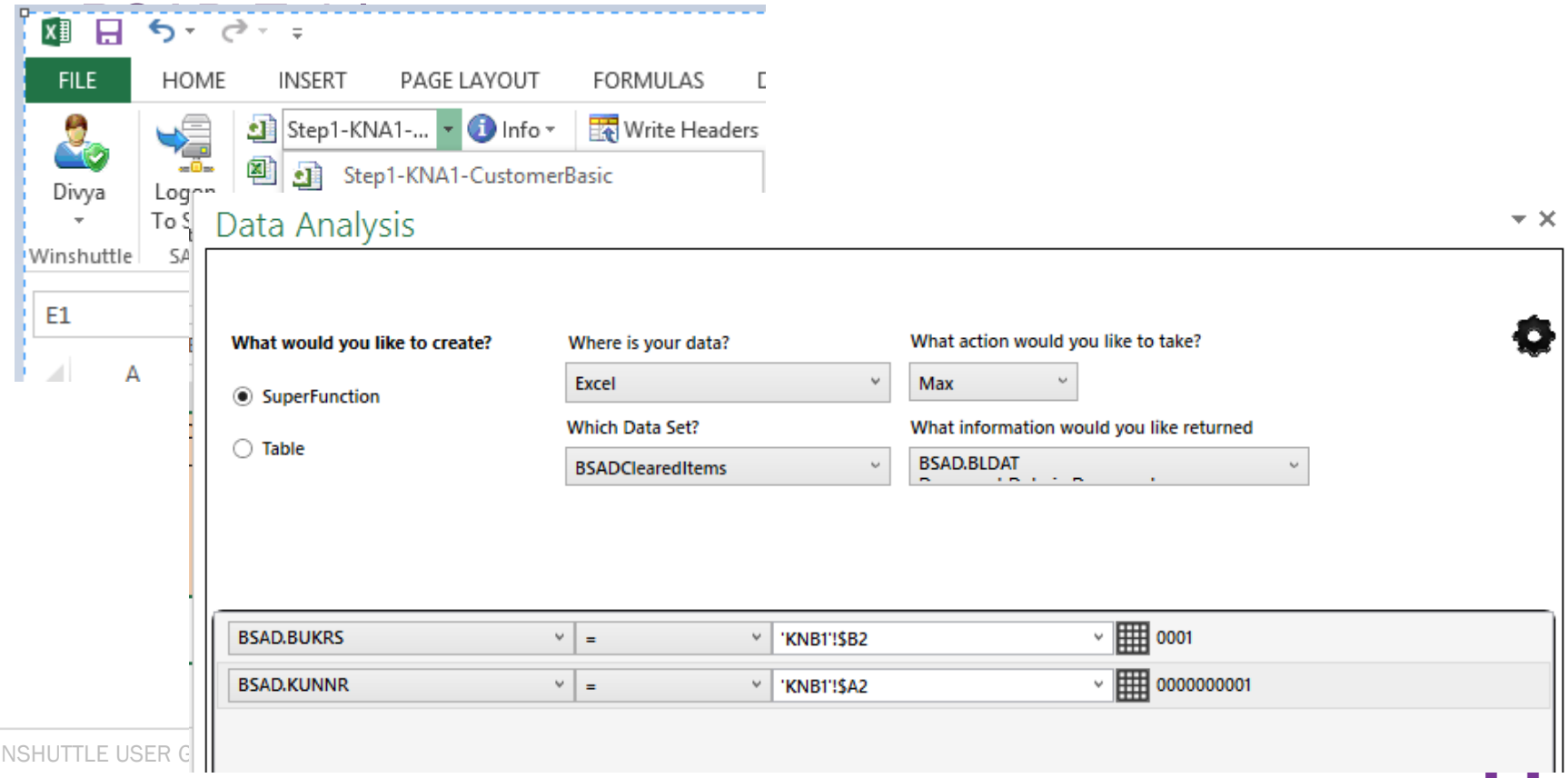
Winshuttle Solution

Combined Capabilities of STUDIO and Winshuttle Analytics

- Smaller and modular queries for data extraction
- Read from transactions or BAPIs.
- Linked queries on a single destination file.
- Multiple destination formats
- One time design of super functions using Analytics
- All excel centric

Customer Invoice (Open & Closed) and flag InActive Customers

- KNA1 – KNB1 – BSID – BSAD Tables
- Latest Entry (Date) in BSID & BSAD is required
- Ideally – outer joins required for both BSID &



Solution example

Questions

Thank You!