

# Streamlining SAP Order Creation

Rae Burge | Tesoro



WINSHUTTLE  
USER  
GROUP CONFERENCE

# About Me

## Senior Business Analyst at Tesoro Corporation

- 11 years with Tesoro
- Winshuttle Super User at Tesoro
- Assist with Transaction Scripts for other users
- Currently on a Project to Upgrade to Foundation to use Workflow/Forms and Journal Entry.



# About Tesoro

- Established 1968
- Fortune 100 company
- HQ in San Antonio, Texas
- >7,000 employees
- Annual revenue >\$37 billion
- Largest or only refiner in three of the five states where our refineries are located: California, North Dakota and Utah
- Leading independent refiner and marketer of petroleum products
- Refines crude oil into gasoline, diesel fuel, jet fuel, heavy fuel oils, liquefied petroleum gas, petroleum coke, calcined coke and asphalt.
- Commercial Marketing sells products globally.
- Wholesale Marketing sells products to independent marketers, commercial end-users, and high-volume retailers in the western US.
- Retail Marketing sells gasoline and diesel fuel directly to consumers under the Tesoro®, Shell®, ARCO®, Exxon®, Mobil® and USA Gasoline™ brands.




# Life Before Winshuttle

- Manual processes in all departments
- Overtime
- LSMW scripts
- Users were not able to get needs met fast/efficiently



# Life After Winshuttle

- Over 100 LSMW scripts were converted to Winshuttle Scripts by the business
- Over 180 Scripts were created for manual processes that are now automated
- Tesoro saw a 5 month pay back period
- Elimination of LSMW 
- Users are ultimately responsible for creation of scripts and do not have to rely on IT for implementation of scripts
- Tesoro has seen a Total Business Value of approximately \$663,000



# Business Challenge

In Mid-2015 Tesoro had an Acquisition that resulted in a new script. This script was for order/delivery creation with reference to a contract. This is an unique situation that is more applicable to the entity that was acquired.

## Business Challenge:

- Data is received during month end Financial Close.
- This is a unique situation in which the sales order/delivery information are not known till accounting close.
- Sales orders/deliveries are created in a 2 day window
- Must be completed during Financial Close
- Manual process takes approximately 3 minutes to key in over 300 transactions in a limited amount of time which would take about 15 hours.



# Business Solution

Created a new script for order/delivery creation with reference to a contract.



# Creation of Script

**Create Sales Order: In**

Create with Reference IS-O

Order Type ZTRM

Contract 40038817

Requested deliv.date D 04/30/2015

Search Criteria

Pur. Order

WBS element

Search

Copy Item Selection

Sales document Edit Goto Extras Environment System Help

Create  
Change  
Display  
Create with Reference  
Save Ctrl+S  
Create subsequent order  
Deliver  
Billing  
Delete  
Exit Shift+F3

Sales document: Overview

Sales Grp 306 Sales Off. 3002

PO number NGL000456

Req. deliv.date D 04/30/2015 Deliver.Plant USD

Payt Terms BINE Net 05 Business Days from Inv

Contact person Cont. tel.

Contact note Last order 315835994

S	Item	Material	Order Quantity	SU	First Date	ItCa	PD	Plnt
		HgLvIt Batch		HT To	Net price	per		UoM
	10	168	20,000.000	UG6	D 04/30/2015	ZAN		Q401

- 1) Create Sales Order with Reference to contract
- 2) Item Selection
- 3) Instead of saving sales document you will deliver



# Creation of Script cont.....

PA\_VA01\_CREATE\_LOG\_CONTRACT.TxR - Winshuttle TRANSACTION

File Edit Tools Help

Basic

Mapping: Change Source Type

Loop Condition Read from SAP

Sno	Ena	Scr	Field Description	Field Name	Field	Mapping Type	Value/	Notes
1	<input checked="" type="checkbox"/>		Log Column				Q	
2	<input checked="" type="checkbox"/>	S...						
3	<input checked="" type="checkbox"/>		SAP Easy Access O...	MainWindow.maximiz...				
4	<input checked="" type="checkbox"/>		SAP Easy Access O...	MainWindow.sendVK...			0	
5	<input checked="" type="checkbox"/>	C...						
6	<input checked="" type="checkbox"/>		Sales Document Type	cbxtVBAK-AUART.text	String		A	
7	<input checked="" type="checkbox"/>		Create with Referen...	btn[8].press()				
8	<input checked="" type="checkbox"/>	C...						
9	<input checked="" type="checkbox"/>		Sales Document	cbxtLV45C-VBELN.text	String		B	
10	<input checked="" type="checkbox"/>		Requested delivery ...	cbxtLV45C-KETDAT....	String		C	
11	<input checked="" type="checkbox"/>		Requested delivery ...	cbxtLV45C-KETDAT....	String			
12	<input checked="" type="checkbox"/>		Item Selection (F7)	btn[7].press()				
13	<input checked="" type="checkbox"/>	W...						
14	<input checked="" type="checkbox"/>		Continue (Enter)	btn[0].press()				
15	<input checked="" type="checkbox"/>	Q...						
16	<input checked="" type="checkbox"/>		Deselect All	btnMKLO.press()				
17	<input checked="" type="checkbox"/>		Position cursor...	menu[6].select()				
18	<input checked="" type="checkbox"/>	M...						
19	<input checked="" type="checkbox"/>		Material Number	cbxtRV45A-PO_MAT...	String		D	
20	<input checked="" type="checkbox"/>		Material Number	cbxtRV45A-PO_MAT...	String			
21	<input checked="" type="checkbox"/>		Move item to top	wnd[1].sendVKey()			0	
22	<input checked="" type="checkbox"/>	Q...						
23	<input checked="" type="checkbox"/>		Open reference qua...	txtVBAPD-ORFMNG[...	Dec...		E	



# Excel Screen Shot

Sales Document Type	Sales Document	Requested delivery date of the document	Item number of the SD document	Open reference quantity	Long text	Pipeline operator's external batch number	Base location	External bill of lading	Bill of Lading	Document	Planned goods movement date	Actual Goods Movement Date	Table field value
ctxtVBAK-AUART.text	ctxtLV45C-VBELN.text	ctxtLV45C-KETDAT.text	SD ttxtVBAPD-document 0].text	txtRV4 5A-POSNR .text	Text area.text	txtOIC_PIPE-OIA_BASELO.txt	ext	txtOID_EX-OID_EXTBOL.txt	ctxtVBAP-ZZBLDATES.txt	ctxtLIKP-BLDAT.text	ctxtLIKP-WADAT.text	ctxtLIKP-WADAT_IST.txt	ctxtZSVALD-VALUE[1,51].text
ZTRM	40038817	04/30/2015	20	20000	HEADER TEXT FOR SALES ORDER	PIPE BATCH 1	BASE LOC	BOL TEST 1	04/30/2015	11/01/2015	04/30/2015	11/01/2015	04/30/2015
ZTRM	40038813	03/30/2015	10	10000	HEADER TEXT FOR SALES ORDER	PIPE BATCH 1	BASE LOC	BOL TEST 1	03/30/2015	11/01/2015	03/30/2015	11/01/2015	03/30/2015
ZTRM	40038816	03/05/2015	10	5000	HEADER TEXT FOR SALES ORDER	PIPE BATCH 1	BASE LOC	BOL TEST 1	03/05/2015	11/01/2015	03/05/2015	11/01/2015	03/05/2015



# Advantages of New Script

## Advantages of Winshuttle Script:

- Did not have to hire someone or have employees work overtime to absorb the new information
- Over 300 transactions per month which saves about 13 hours per month (which is in the first 2 days of close).
- Creates a quick report so the Billing Department can create invoices by copying and pasting the information.
  - Note – Invoicing could be done in the script as well, but SOX controls limit this at Tesoro



# Tips & Tricks

## Business Perspective:

- Remind other teams to think out of the box
- What can Winshuttle do for you?
- Remember reporting capabilities

## Technical Perspective:

- First Create the transaction in SAP test environment before you create in Winshuttle
- Make sure to select “all item selection” so you can get all line items
- Input all header details before line items
- Add line item details by going to second line of the order
- Help identify where a loop should start, press “enter” after you have filled in all the header fields.



# Tesoro's Future

- Upgrade to Foundation
- Winshuttle Journal Entry
  - Standardize the Journal Entry Process
  - Enable Workflows
  - Streamline the Process
- Link Scripts
- Forms & Workflows
  - First Project - AFE
    - Approximately 300 Users
    - Standardize AFE process



# Transactions Used Via Winshuttle

ABAA	Unplanned depreciation adjustments for tax areas
ABNA	Post capitalization adjustments for tax
ABSO	Tax retirements and miscellaneous transactoins for depreciation areas
ABT1N	Intercompany Asset Transfer
ABUMN	AA_ABUMN_TRANSFER_SAME_COMPANY_CODE_EXISTING_ASSET
AS02	Change asset master data for depreciation areas
AS06	Delete Asset
AS11	Create sub assets
CJ02	Change AFE sub number text field
CJ30	Project budget multiple AFEs
CJ88	AA_CJ88_PROJECT_SETTLEMENTS
F-22	Record chargebacks from marketing
F-27	Customer Credit Memo
F-32	Clear Customer
FB01	Intercompany Invoices between TLLP and TSO
FB03	Attach JE Support
FB05	Retalix Upload
FB08	FB08 TO REVERSE NON-INTERCO FI DOCS
FB75	Createcredit memos with multiple line items
GJVV	Joint Venture Master
IE01	Create Equipment
IE02	Change Equipment

IL01	Create Functional Location
IR01	Create Workcente Generic
KE51	Create Profit Center
KK01	Create Statistical Key Figure
KO88	KO88_MULTIPLE_ORDER_SETTLEMENTS
KS01	Create Cost Center
KS02	Change Cost Center
MBST	Cancel Material Document
ME21N	Create Purchase Order
ME22N	Change Purchase Order
MEK1	Create Condition Records
MEK2	Change Condition Records
MIGO	Goods Receipt
MIRO	Enter Company Invoice
ML81	Maintain Service Entry
MM01	MM01-Create/Extend Railcar Material
MR8M	To cancel invalid invoice receipts
O3U_DI1	Create Base DOI Maintenance
O3U_DI2	Change Base DOI Maintenance
O3U_DN1	Create Delivery Network
O3U_DNAP1	Create DN Allocation Profile
O3U_DND1	Create Delivery Network Dated



# Transactions Used Via Winshuttle cont...

O3U_DNND1	Create DN Downstream Node	TK12	End date trucking condition records
O3U_DNND2	Change DN Downstream Node	VA01	Create sales orders using service materials
O3U_DO2	Maintain DOI Owners	VA02	Delete sales orders that are not relevant
O3U_DP1	Create DOI Accounting	VA41	Create Contract
O3U_JV1	Joint Venture Maintenance	VA42	Update incoterms
O3U_MP1	Create Measurement Point	VF01	Create transfer price docs and update price
O3U_MPAP1	Create MP Allocation Profile	VF02	Change invoice date and post invoice
O3U_MPAP2	Change MP Allocation Profile	VF04	Create recurring contract invoices billing type ZPB
O3U_MPD1	Create measurement point	VF11	Cancel transfer price docs or invoices
O3U_MPVL1	Create well test (allocations)	VI02	To cancel invalid shipment cost document
O3U_MPVL9	Create measurement point value	VI12	Shipment Cost Settlement+B15
O3U_MWT1	Create MP to Transporter X-Ref	VK11	Create TLO 3rd Party Pricing using table 791 and 772
O3U_MWT2	Change MP to Transporter Xref	VK12	Table 640 mark records for deletion
O3U_PP2	Price Maintenance	VL02N	Delete incorrect deliveries via trans code VL02N
O3U_VCR1	Create Valuation Cross Reference	VT01N	Change route on shipment cost
O3U_VCR2	Change Valuation Cross Reference	VT02N	To delete invalid shipment document
O3U_WLTS1	Create MP volumes for manual tickets	VV31	Create Billing Output Type Create Plant/sold to/ship to/ extention and new customer sales area
O3U_WLTS2	Change Well Test	XD01	Add trans zone to customer master
O3UCA_DOIXREF	DOI Cross Reference	XD02	
O3UCA_TRNCT	MP/WC Contract Cross Reference	XK01	Create Vendor
O3UVL_OSP0	Oil Statement Profile	XK02	Link vendor to partner function
TK11	Create Table 686 TK11 condition record	ZARI	Update Zari cross references on price hold or inactivation of xref
		ZM30	Create PC Sub Entry
		ZMM_STDPRC	Productionn and Consumption Table
		ZRK2	Upload new xref for different trans sets





# QUESTIONS???

