Contents

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SIMPLE WORKFLOW

User Guide
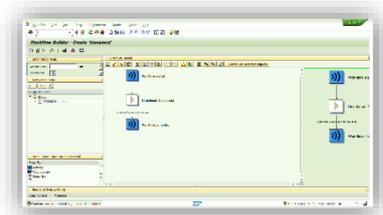
Simple Workflow

What it does?

This mini application allows the following:
1. Create a simple external mail workflow scenario from within SAP ABAP.
2. No actual SAP *Business Workflow* needed and no SAP Users needed.

What business process it solves?

SAP ABAP has its own Workflow abilities. Implementing SAP *Business Workflow* (see SAP transaction SWDD) required SAP User for every *Business Workflow* approver and also requires *Business Workflow* specialist of initial implementation and ongoing support.

This mini application allows e-mails interaction to create a Workflow scenario for both SAP users and None SAP users. The Workflow scenario does not uses the SAP standard *Business Workflow*.

SAP system

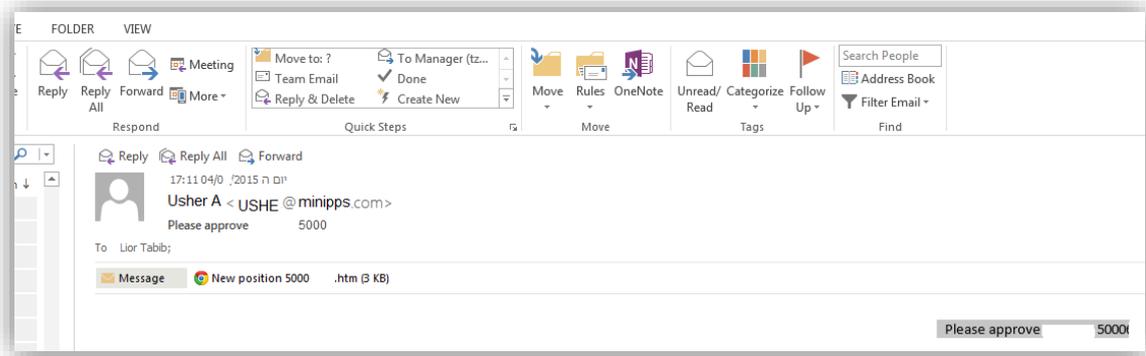1. SAP ABAP based system connected to external mail (SAP transaction code SCOT)

configured

Functional specification
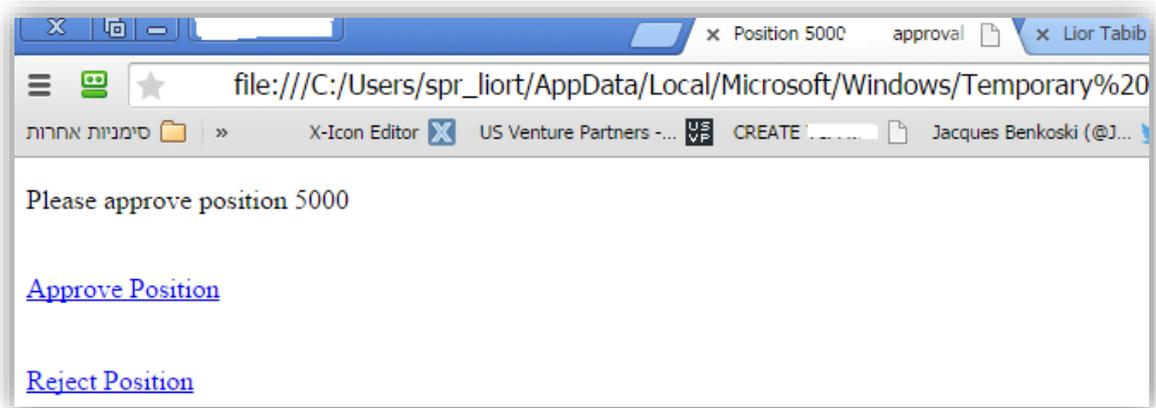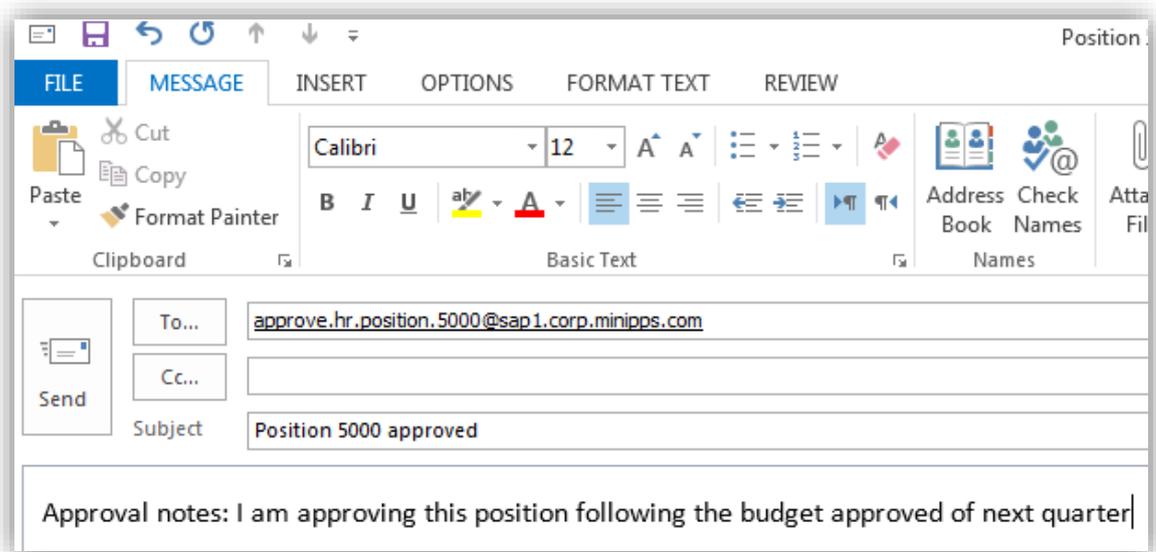
- The application sends an external e-mails messages with an HTML form attached:

Open the HTML form and you can see some information for the step to be Approve / Reject

Click Approve or Reject and you can fill the popup e-mail message body with your notes

- The e-mails sent to pre-decided distribution list (See SAP transaction code SO23), matches the Workflow scenario step.

- Approvers replied e-mail is always to a none SAP user (for instance, the reply e-mail address approve.hr.position.5000@sap1.corp.minipps.com left to the @ is approving an HR position number 5000).
- SAP catches the e-mails (with SAP transaction SCOT configuration) and process the message.
- A log table is filled so that error messages in inbound e-mails can be re-processed:

	Data Browser: Table ZHRAPLOG Select Entries	5		

Table: ZHRAPLOG
Displayed Fields: 4 of 10   Fixed Columns: 3   List Width 0250

Client	Character 100			Counter	Decision
130	261123DDE4C33F4BBB385592A62B7FAE6828123D@	.corp.	.com	0001	REJECT
130	261123DDE4C33F4BBB385592A62B7FAE6828136F@	.corp.	.com	0001	APPROVE

see lines details, includes the source mail, the message subject and the step decision

Table ZHRAPLOG Display

Client	[D]
Character 100	261123DDE4C33F4BBB385592A62B7FAE6828123D@ _ .corp._____ .com
Counter	1
Decision	REJECT
Title	Position 00000001 rejected
E-Mail Address	REJECT.HR.POSITION.00000001@ .CORP._____.COM
Sender Mail	LIOR.TABIB@L____.COM
Object	00000001
Message Type	S
Message text	Position 00000001 changed status to REJECT

How to use the app

1. The Simple mail should be incorporated in the SAP standard transaction with User Exit/BAdI/Other standard triggering event.
2. Every transaction that a triggering event sends the step e-mail to be approved to the distribution list of this step.
3. Approving / Rejection is done with an HTML form attached to the e-mail. The HTML sends a reply mail to the SAP system.
4. SAP inbound e-mails are processed by the SMTP SAP user that handles the SAP standard SCOT mail engine. See the log at transaction code ZSWF.
5. All failed inbound messages are reprocessed automatically at every inbound mail process. This way, we are minimizing the failed messages extent.

How to install

1. There is a change request transports for this mini application (*LDVK937553: ZSWF:Simple Workflow*).

2. Implement the mini application transport (*LDVK937553*) to your system with your SAP BASIS team or use *MINI*PPS free mini application ***Uploading transport from local files***.