

SAP Business Workflow: Guidelines on Transporting Workflow from One Server to another Server.



Applies to:

SAP 4.7, ECC 6.0.

Summary

This article describes the guidelines to transport Workflow from one server to another server, the common check points and miss outs post transportation & the procedure to rectify them.

Author: Mehreen Nizar Dudhwalla

Company: Larsen & Toubro Infotech Limited

Created on: 20 March 2010

Author Bio



Mehreen Dduhwalla is a Software Consultant in Larsen & Toubro Infotech Limited. She has three years of SAP experience. She has worked extensively in ABAP and Workflow.

Table of Contents

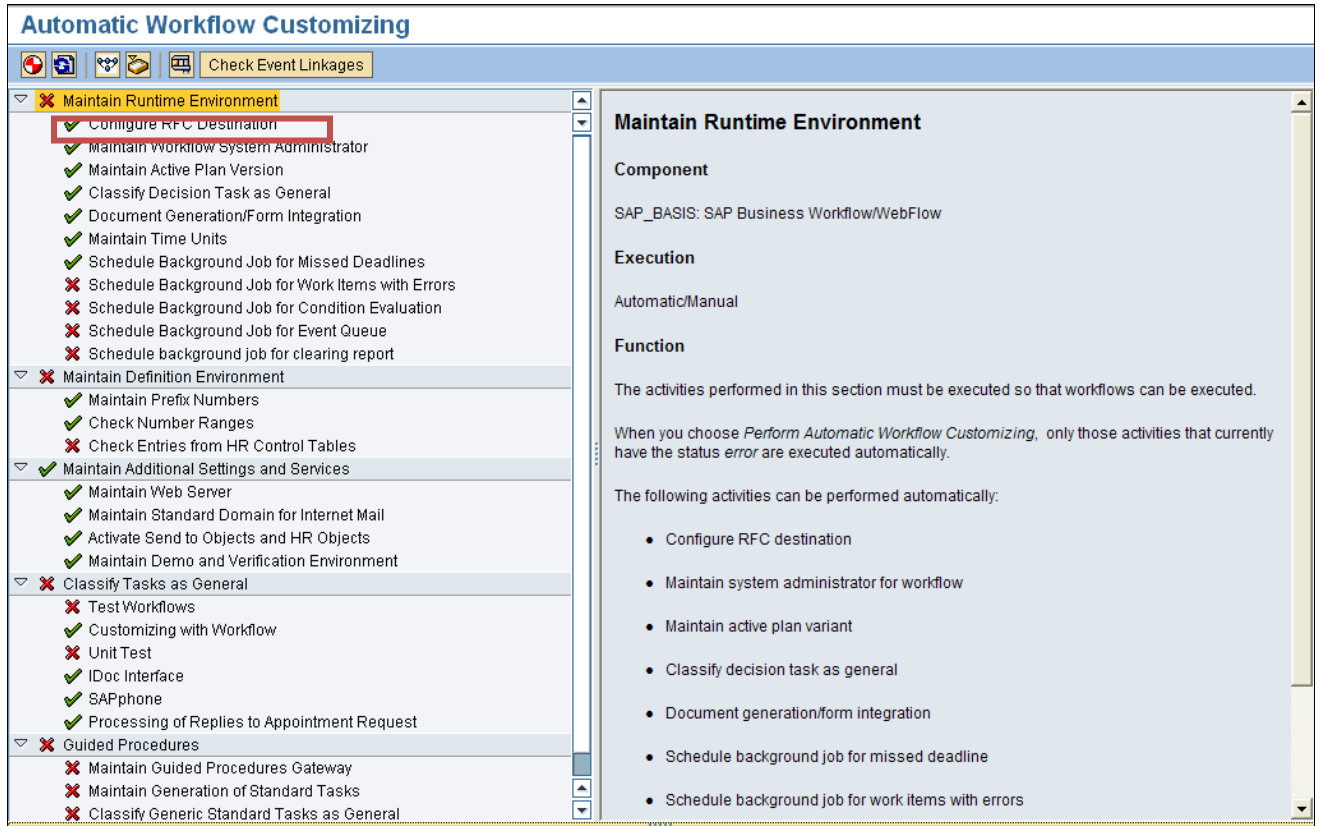
Guidelines while Transporting Workflow from one server to another server:	3
Common Checkpoints & Missouts Post Transportation	5
Check Points:	5
Miss Outs:	6
Event Linkage and Start Events are active or inactive.	6
Agent Assignment not maintained:	7
Steps to Add Agent Assignment to a Transport Request:	8
Creating Customizing Request to save Task Attributes (Agent Assignment) in case of Dialog Tasks:	8
Related Content	13
Disclaimer and Liability Notice	14

Guidelines while Transporting Workflow from one server to another server:

After completing a SAP Workflow development, it's important that the objects related to the Workflow Development are transported from one server (development) to another server (quality, production).

This article will help users while transporting Workflow from one server to another server.

1. While Creating Workflow Template, Business Object, Standard Tasks etc it's a good practice to have all workflow related objects stored under one common transport request.
2. While transporting to a new system it is absolutely necessary that Workflow Settings have been maintained in the transaction **SWU3** in the new server especially the Configure RFC destination setting should be active. In case it is de-active, the basis team can active it.



3. The sequence of Transport Request moved from one server to another is absolutely important in case of Workflow transports too like any other transports especially when objects are stored in separate transport requests.

Workbench Requests need to be transported first followed by Customizing Requests.

For example : Business Object (BOR) which includes events, methods etc needs to be moved first followed by Standard Tasks, Rules, Class, function modules & Workflow Template.

Customizing Request may include event binding, agent assignment etc.

Workbench Request contain the remaining objects like Standard Tasks, Workflow Templates, Business Object Program, Business Object Types (BOR) as shown below:

Display Task EMDK900348

- [-] Workbench Workbench request
 - [-] -> ~~EMK-System-EMK~~
 - [-] Released
 - [-] ~~EMK000001~~ ✓ 1004 ~~90000-01-Workbench-for-Conf...~~
 - [-] ~~EMK000002~~ ✓ 1000 Development/Correction
 - [-] ~~EMK000003~~ ✓ 1000 Development/Correction
 - [-] ~~EMK000004~~ ✓ 1001 Development/Correction
 - [-] Class (ABAP Objects)
 - [-] Domain
 - [-] Data Element
 - [-] Standard Task
 - [-] Workflow templates
 - [-] Program
 - [-] Business object types
 - [-] Table
 - [-] Table Type
 - [-] Object List of Request
 - [-] Request Attributes

Display Request EMDK900351

- [-] Customizing Customizing request
 - [-] -> ~~EMK-System-EMK~~
 - [-] Released
 - [-] ~~EMK000001~~ 100 ✓ ~~10000~~ ~~90000-Configuration~~ Workflow Event Binding
 - [-] ~~EMK000002~~ ✓ 1004 Customizing Task
 - [-] View Maintenance: Data
 - [-] SWFDEVTY2
 - [-] SWFDEVENA
 - [-] 400B0ZEMP_CONF TRIGGER WS9990
 - [-] SWFDEVTY2
 - [-] 400B0ZEMP_CONF TRIGGER WS9990

Business Object Name → 400B0ZEMP_CONF

Business Object Event Name → TRIGGER

Common Checkpoints & Missouts Post Transportation

Check Points:

Once the Workflow is transported to the new server, the following are the checkpoints that need to be checked for the proper working of the workflow.

1. Business Object transported with active status & generated successfully.
2. Correct Workflow Template has been transported with proper version active.
3. If start conditions has been defined check if it is active.
4. Workflow Template & Standard Task transported along with their binding maintained properly.
5. Standard Task & Method Binding maintained properly.
6. Event binding is active.
7. Event Linkage is active & checked.
8. Agent Assignment in case of dialog tasks is active.
9. Ensure that dialog tasks are set as 'general task' or maintained with the Possible agents explicitly.
10. Always check that once the workflow has been transported, new version is created in the target system.

Miss Outs:

The most common miss outs after workflow transports have been moved from one server to another are:

Event Linkage and Start Events are active or inactive.

There are cases post transportation from one server to another server that the event linkage and Start events appears **Inactive** in the new server. The reason could either be that the customizing request which had the event linkage or start event was not transported properly or the type linkage checkbox is still unchecked in the transaction swetypv (as shown below).

Workflow Template: Display

Workflow template: 00000001 - zemp_conf

Name: Workflow for Employee Confirmation

Package: [redacted] Applicatn Component

Basic data | Description | Container | **Triggering events** | SAPphone

Standard events

Binding	Object Category	Object Type	Event	Name
<input checked="" type="checkbox"/>	BO BOR	Object Type ZEMP_CONF	TRIGGER	ZEMP_CONF TRIGGER
<input type="checkbox"/>				
<input type="checkbox"/>				

Should be active (green)

Information Area

Workflow: 00000001

Navigation Area

Navigation area

- Steps
 - 000005 Workitem to Su
 - 000017 Decision by Su
 - 000023 Send email wh
 - 000028 Fetching Super

Version-INdependent (Task) | Version-Dependent (Current Workflow Version)

Basic Data | Description | **Start Events** | Start Forms | Version Overview | Function Group

Workflow start using triggering events

A	B	Cate...	Object Type	Event of the object
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BO	ZEMP_CONF	TRIGGER
<input type="checkbox"/>	<input type="checkbox"/>			
<input type="checkbox"/>	<input type="checkbox"/>			

Should be active (green)

Transaction code swetypv will have the entry maintained as shown below:

Change View "Event Type Linkages": Overview

Should be checked

Object Category	ObjectType	Event	Receiver Type	Type linkag...	Enable eve...	Status
BO BOR Objec...	YPERSDATA	CHANGED	WS99900050	<input type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	YPERSDATA	CHANGED	WS99900051	<input type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	YPERSDATA	CHANGED	WS99900052	<input type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZEMP_COMP	SUBMITTED	WS99900061	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZEMP_CONF	TRIGGER	WS99900064	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_ADD	DETAILSDISPLAYED	WS99900012	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_COMP	COMPETENCYAPPROVED	WS99900006	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_COMPOF	COMPETENCYUPDATED	WS99900019	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_COMPOF	COMPOFFUPDATED	WS99900019	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_DEPUT	Z_DEPUTATION	WS99900007	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_ED_DET	EDUDETAILSCHANGED	WS99900014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_ENCASH	LEAVE_ENCAH_EVENT2	WS99900040	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_ENCASH	LEAVE_ENCASH	WS99900008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_EXIT	DETAILS	WS99900041	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_EXITFO	ACTION_TAKEN_BUHR	WS99900067	<input type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_EXITFO	SUBMIT	WS99900067	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_FAMILY	FAMILY_UPDATE	WS99900013	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_NAME	NAMECHANGED	WS99900011	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_PHOTO	ZHR_PHOTO	WS99900016	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_PHOTO	ZHR_PHOTO	WS99900031	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_SH_CHG	SHIFTCHANGED	WS99900002	<input type="checkbox"/>	<input type="checkbox"/>	0 No errors
BO BOR Objec...	ZHR_SH_CHG	SHIFTCHANGED	WS99900004	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 No errors

Agent Assignment not maintained:

In case of dialog task, agent assignment is a must for the Work item's to go to the user's inbox. There are cases after post transportation of dialog tasks to a new server that the agent assignment does not appear active as shown below:

Workflow Builder - Change 'ZTESTPO323'

Agent assignment inactive

Information Area

Workflow: W000000000
Version: 0000 (0000) Definition

Navigation Area

Steps

- 000004 Approve po
- 000009 anchor
- 000012 test
- 000015 fork

Workflow Container

Element

- <Double-Click to Create>
- _Adhoc_Objects
- _Attach_Objects
- _Wf_Initiator
- _Wf_Priority

Task Properties

- Agent Assignment
- Background Processing
- Task Complete
- Confirm End of Processing

Template for Attachm.

Category: Standard

Task description - click here to go to task...

Choose one of the decision options given. This completes the processing of this step.

Users have to manually go and do the agent assignment in the new server which may be impossible at times.

Steps to Add Agent Assignment to a Transport Request:

While setting the dialog task attributes in development server, the settings are not always saved in a customizing request.

The following steps can be used to make sure that Agent Assignment is saved to an appropriate Customizing Request which can be transported to the new server while transporting objects.

Since this request is a Customizing Request, it should be sent after all Workbench request have been transported.

Creating Customizing Request to save Task Attributes (Agent Assignment) in case of Dialog Tasks:

Step 1: Go to transaction RE_RHMOVE30 or Execute Program RHMOVE30

Step 2:

Select Plan version: 01

Select Object Type: TS

Select Object ID : your 8 digit task id number e.g. 99900209

Also,

In the Transport section enter or create your change request

Select "**Transport Objects**" and

Deselect "**Test**" and "**With Lock**"

Manual Transport Link

Objects

Plan version: 01 All existing
Object type: TS All existing
Object ID: 99900209
Search Term:
Object status: All existing

Reporting period

Today
 Current month
 Current Year
 All
 Past
 Future

Structure parameters

Evaluation Path:
Status vector:
Display depth:
 Status overlap

Transport

Task:
Request:
 Transport objects
 Delete objects
 Replace person with user
 Test
 With lock

Step 3: Execute and go to next screen.

Manual Transport Link

Plan Ver. 01

Transport	Delete	OT	Object ID	Abbr.	Start date	End Date	Status
<input checked="" type="checkbox"/>	<input type="checkbox"/>	TS	99900209	zdummy	01.01.1900	31.12.9999	Active

Step 4:

On the next screen select the row with your task id Press **"Add to Transport"**

Then again select the row with your task id and press **"Transport/Delete"** this will bring up the prompt to create a customizing request as shown below.

Remember: After clicking on "Add to Transport" you need to further click on "Transport/Delete" without doing this together you won't see anything happening on your screen.

The screenshot shows the SAP Manual Transport Link interface. At the top, there is a menu bar with 'List', 'Edit', 'Goto', 'System', and 'Help'. Below the menu is a toolbar with various icons. The main title is 'Manual Transport Link'. Below the title, there are buttons for 'Transport', 'Transport', and 'Transport/Delete'. A second toolbar contains icons for search, print, and other functions. The text 'Plan Ver. 01' is displayed. Below this is a table with the following data:

Transp...	Delete	OT	Object ID	Abbr.	Start date	End Date	Status
<input checked="" type="checkbox"/>	<input type="checkbox"/>	TS	99900209	zdummy	01.01.1900	31.12.9999	Active

Below the table is a sub-dialog titled 'Prompt for Customizing request'. It contains two input fields: 'Request' and 'Short Description'. At the bottom of the sub-dialog, there is a button labeled 'Own Requests' with a checkmark icon on the left and a red 'X' icon on the right.

Step 5: Create the transport request to add the agent assignment in the transport by clicking on the create button.

List Edit Goto System Help

Manual Transport Link

Transport Transport Transport/Delete

Plan Ver. 01

Transp...	Delete	OT	Object ID	Abbr.	Start date	End Date	Status
<input checked="" type="checkbox"/>	<input type="checkbox"/>	TS	99900209	zdummy	01.01.1900	31.12.9999	Active

Prompt for Customizing request

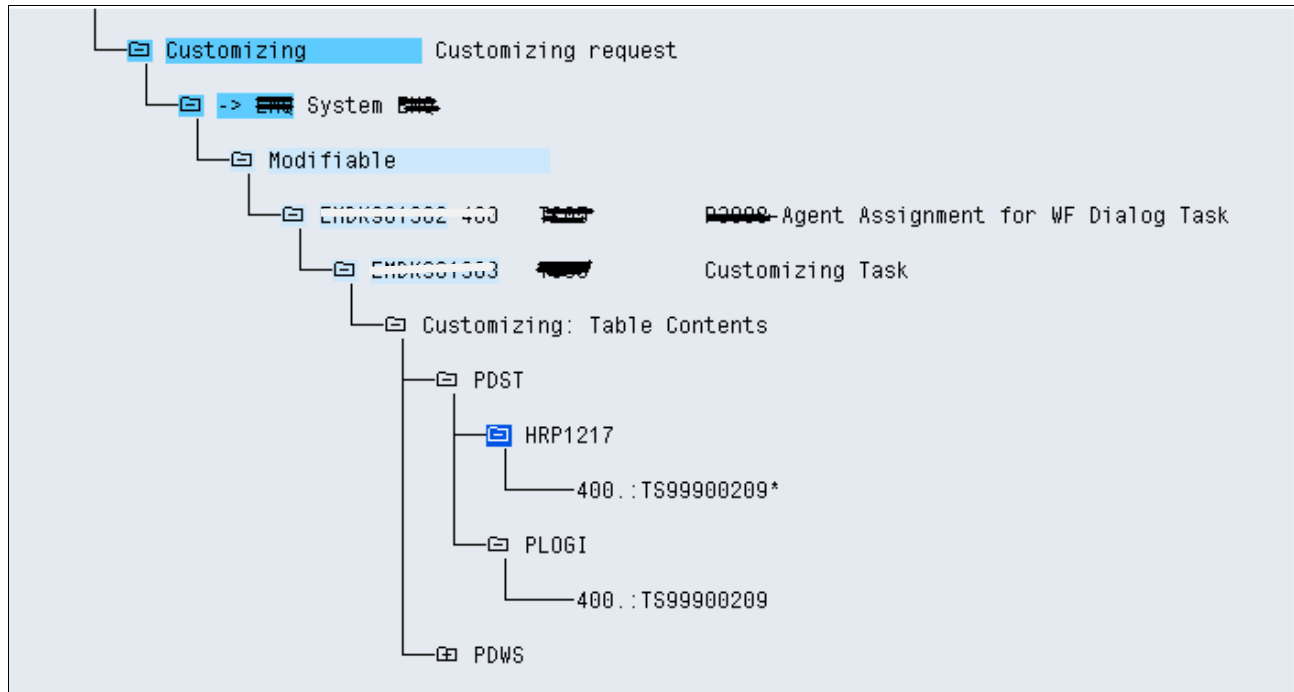
Request: **CMDK901302** Customizing request

Short Description: **Agent Assignment for WF Dialog Task**

Own Requests

Transport CMDK901302 successfully created

Step 6: Go to SE09 and the Customizing Request will have the agent assignment as shown below.



This Request can now be transported to the new server.

After transporting to new server always refresh the buffer using the Transaction **SWU_OBUF**.

Related Content

<http://forums.sdn.sap.com/thread.jspa?threadID=1504447>

<https://forums.sdn.sap.com/thread.jspa?threadID=1099553>

<https://forums.sdn.sap.com/thread.jspa?threadID=924761>

<https://forums.sdn.sap.com/thread.jspa?threadID=225491>

Disclaimer and Liability Notice

This document may discuss sample coding or other information that does not include SAP official interfaces and therefore is not supported by SAP. Changes made based on this information are not supported and can be overwritten during an upgrade.

SAP will not be held liable for any damages caused by using or misusing the information, code or methods suggested in this document, and anyone using these methods does so at his/her own risk.

SAP offers no guarantees and assumes no responsibility or liability of any type with respect to the content of this technical article or code sample, including any liability resulting from incompatibility between the content within this document and the materials and services offered by SAP. You agree that you will not hold, or seek to hold, SAP responsible or liable with respect to the content of this document.