

How to Automate a File Movement to and from SAP BW using a Program



Applies to:

SAP BW 3.x & SAP BI Net Weaver 2004s. For more information, visit the [Business Intelligence homepage](#).

Summary

This article explains step by step approach to write a custom program to transfer the file to/from BW Application Server from/to Local Workstation using a single program.

Author: Vikram Srivastava

Company: Infosys Technologies Ltd

Created on: 17 March 2011

Author Bio



Vikram Srivastava is working as Technology Analyst with Infosys Technologies Limited. He has got rich experience on various BW Implementation/Support Projects in both SAP BW 3.5 and SAP BW 7.0.

Table of Contents

Scenario	3
Step by Step Approach.....	3
Step 1:	3
Step 2:	3
Step 3:	4
Step 4:	4
Step 5:	5
Step 6:	6
Step 7:	6
Using the program	7
Related Content	8
Disclaimer and Liability Notice.....	9

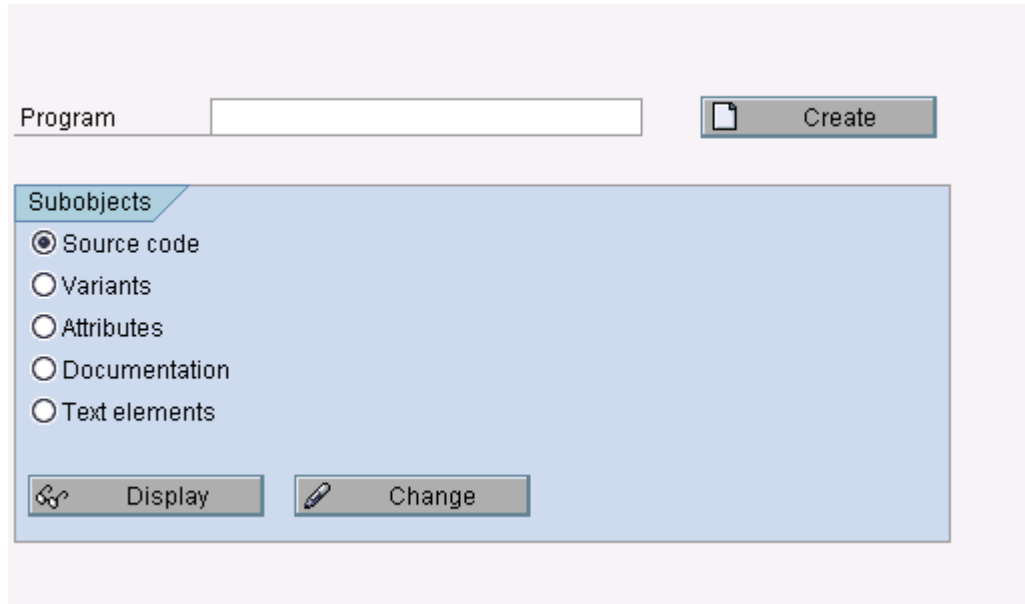
Scenario

In this article we will understand the step by step approach to write a custom program to transfer the file to/from BW Application Server from/to Local Workstation using a single program
This becomes very useful and handy during any developmental testing of process chains.

Step by Step Approach

Step 1:

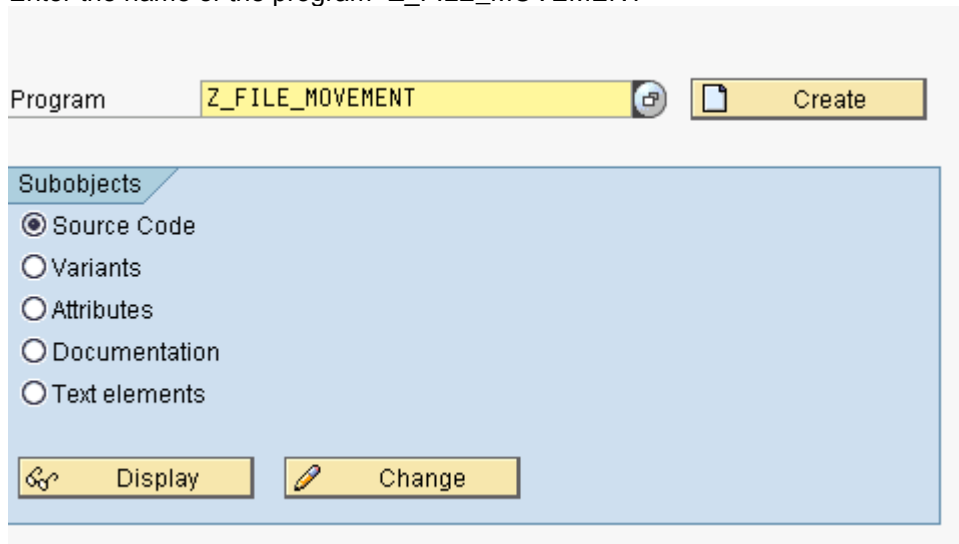
Go to TCode SE38



The screenshot shows the SAP SE38 interface. At the top, there is a 'Program' field which is currently empty, followed by a 'Create' button. Below this is a 'Subobjects' section with a list of options: 'Source code' (selected with a radio button), 'Variants', 'Attributes', 'Documentation', and 'Text elements'. At the bottom of the 'Subobjects' section are 'Display' and 'Change' buttons.

Step 2:

Enter the name of the program "Z_FILE_MOVEMENT"



The screenshot shows the SAP SE38 interface after the program name has been entered. The 'Program' field now contains 'Z_FILE_MOVEMENT', and the 'Create' button is highlighted in yellow. The 'Subobjects' section remains the same, with 'Source Code' selected and 'Display' and 'Change' buttons visible at the bottom.

Step 3:

Click on Create and specify the attributes as shown below and Click on Save
Below Screen appears:

ABAP: Program Attributes Z_FILE_MOVEMENT Display

Title: Transfer file from AI11 to Client station

Original language: EN English

Created: [] []

Last changed by: [] []

Status: Active

Attributes

Type: Executable program

Status: Customer Production Program

Application: Business Information Warehouse

Authorization Group: []

Package: \$TMP Temporary Objects (never transported!)

Logical database: []

Selection screen: []

Editor lock Fixed point arithmetic

Unicode checks active Start using variant

Step 4:

Write the program as mentioned below:

```
* &-----*
* & Report  Z_FILE_MOVEMENT
* &
* &-----*
* &
* &
* &-----*
```

```
REPORT  Z_FILE_MOVEMENT.
```

```
CONSTANTS: c_path(37) type c value '/usr/sap/XXX/interface/outbound/data/'.
```

```
selection-screen begin of block a with frame title text-001.
parameters: pcwpath type SAPB-SAPPFAD obligatory,
             palpath type SAPB-SAPPFAD obligatory default c_path.
selection-screen end of block a.
```

```
selection-screen skip 1.
```

```
selection-screen begin of block b with frame title text-002.
  parameter: pserver   radiobutton GROUP b1.
  parameter: pclient  radiobutton GROUP b1.

selection-screen end of block b.

selection-screen skip 1.

start-of-selection.

if pserver = 'X'.
  CALL FUNCTION 'ARCHIVFILE_CLIENT_TO_SERVER'
    EXPORTING
      PATH          = pcwpath
      TARGETPATH    = palpath
  EXCEPTIONS
    ERROR_FILE     = 1
    OTHERS         = 2
  .
  IF SY-SUBRC <> 0.
    MESSAGE ID SY-MSGID TYPE SY-MSGTY NUMBER SY-MSGNO
      WITH SY-MSGV1 SY-MSGV2 SY-MSGV3 SY-MSGV4.
  ELSE.
    MESSAGE 'File Transferred Successfully' TYPE 'S'.
  ENDIF.
endif.

if pclient = 'X'.
  CALL FUNCTION 'ARCHIVFILE_SERVER_TO_CLIENT'
    EXPORTING
      PATH          = palpath
      TARGETPATH    = pcwpath
  EXCEPTIONS
    ERROR_FILE     = 1
    OTHERS         = 2.
  .
  IF SY-SUBRC <> 0.
    MESSAGE ID SY-MSGID TYPE SY-MSGTY NUMBER SY-MSGNO
      WITH SY-MSGV1 SY-MSGV2 SY-MSGV3 SY-MSGV4.
  ELSE.
    MESSAGE 'File Transferred Successfully' TYPE 'S'.
  ENDIF.
endif.
```

Step 5:

Save and Activate

Step 6:

Go to Text Elements and enter the description as shown below
(Goto → Text Elements → Selection Texts)

Program Active

Text Symbols Selection Texts List Headings

Name	Text	Diction.
PALPATH	Server Path and File Name	<input type="checkbox"/>
PCLIENT	Send file to Local Workstation	<input type="checkbox"/>
PCWPATH	Workstation Path and File Name	<input type="checkbox"/>
PSEVER	Send file to Applicatn Server	<input type="checkbox"/>

Step 7:

Save and Activate. The program is ready.

Using the program

Go to TCode SE38 and execute the program "Z_FILE_MOVEMENT"

Transfer file from AI11 to Client station

Workstation Path and File Name

Server Path and File Name /usr/sap/000

Send file to Applicatn Server

Send file to Local Worstation

This program can now be used in process chains by creating the variants.

Related Content

www.help.sap.com

www.sdn.sap.com

www.service.sap.com

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.