

Step By Step Procedure to Create Logical File Path and Logical File Name



Applies to:

SAP BW (3.5) / SAP BI(7.0) For more information , visit [Business Intelligence Homepage](#).

Summary

These documents describe step by step procedure to create logical file path and logical file name.

Author: Jaimin Soni

Company: Infosys Technologies Limited

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Author Bio



Jaimin Soni is working with Infosys Technologies Limited. He has got rich experience in implementation of various project in both SAP BW 3.5 and SAP Bi 7.0.

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Scenario :

Many a times we have a situation whee we have a requirement to extract query's output to a .CSV file on Application Server.

For e.g., we have a query, which has 5 characteristics and 2 key figures in the report. But we need to load only 3 characteristics and 2 key figures in the file. Also we need to do the some formatting with the data before loading it to file. Like changing the length of the material from 18 to 8 characters.

There two possible ways to generate .CSV file from a Query.

1. RSCRM_BAPI
2. APD

RSCRM BAPI generates a file which is an exact copy of the report. It will contain all the fields present in the report, and we won't be able to do any kind of formatting before loading this data to file.

Where as, if we go for Analysis process designer, then both of these problems will be solved. Analysis process designer consist of three items. Data source, formatting and a data target. Here report will be the data source and data target will be the file, and in the formatting section we can do all this formatting on the data, and we can filter only those fields which we need in the file. Now, if we are using the APD to generate the file on application server, then first we need to create the logical file name and logical file path.

Procedure

Archive files are stored in the file system under a physical path and file name that is derived from a user-definable logical path or file name. The definition can be divided into the following steps:

1. Definition of the logical path name
2. Definition of the logical file name

Here logical file path name is nothing but a path where you want to create the file on application server. Logical file name is the name of the file.

Creating Logical Path name:

Here are the steps to create a Logical Path name:

1. Call transaction FILE

The screenshot displays the SAP 'Change View Logical File Path Definition: Overview' dialog. The main area contains a table with the following data:

Logical file path	Name
A2_GLOBALPATH	ArchiveLink path
ACC_INSTALLATION_PATH	WinGUI Check Tool Installation on PC
ACC_PROG_DEFAULT_PATH	WinGUI Check Tool Default Memory Location
ARCHIVELINK_CONNECT_CUSTOMIZE_UNIX	
ARCHIVELINK_CONNECT_CUSTOMIZE_WINDOWS	
ARCHIVELINK_DELIMITER	Separator between path and file name
ARCHIVELINK_VIEWER_CUSTOMIZE_WINDOWS	
ARCHIVE_APPLICATION	Archiving path for application archiving
ARCHIVE_BCSETS	BC Set Archiving
ARCHIVE_BI_PROTOCOL_PATH	Path for BI log data archiving
ARCHIVE_GLOBAL_PATH	Global path for archiving files
ARCHIVE_GLOBAL_PATH_WITH_ARCHIVE_LINK	
BUFR_DI_TEST01	Business partner relationship: Test
BUFR_DI_TEST02	Business partner relationships: Test direct input
BW_DEFAULT_CSV_OUTPUT_PATH	BW Standard Path for CSV Output File (InfoCube)

At the bottom of the dialog, there is a 'Position...' button and the text 'Entry 1 of 65'.

You will find this screen.

Change View "Assignment of Physical Paths to Logical Path": Details

Dialog Structure	
Logical File Path Definition	Logical path
Assignment of Physical Paths to Logical Path	Name
Logical File Name Definition, Cross-Client	Syntax group
Definition of Variables	Physical path
Syntax Group Definition	
Assignment of Operating System to Syntax Group	

Logical path	Z_BDC_SALES_EXTRACT
Name	BDCSales Extract
Syntax group	UNIX Unix compatible
Physical path	

4. Now assign a physical path name to the logical path name.

Change View "Assignment of Physical Paths to Logical Path": Details

Dialog Structure	
Logical File Path Definition	Logical path
Assignment of Physical Paths to Logical Path	Name
Logical File Name Definition, Cross-Client	Syntax group
Definition of Variables	Physical path
Syntax Group Definition	
Assignment of Operating System to Syntax Group	

Logical path	Z_BDC_SALES_EXTRACT
Name	BDCSales Extract
Syntax group	UNIX Unix compatible
Physical path	/usr/sap/<SYSID>/interface/outbound/data/<FILENAME>

Physical path is the path where your file will be stored on the application server. When dynamically generating the file SYSID will be the ID of the system you are working, like D03 or P03.

When assigning path names, the symbol <FILENAME> must appear at the end. This symbol is replaced at runtime by the physical file (or path) name. No part of the physical file name in the path name must be defined.

And then save this new entry.

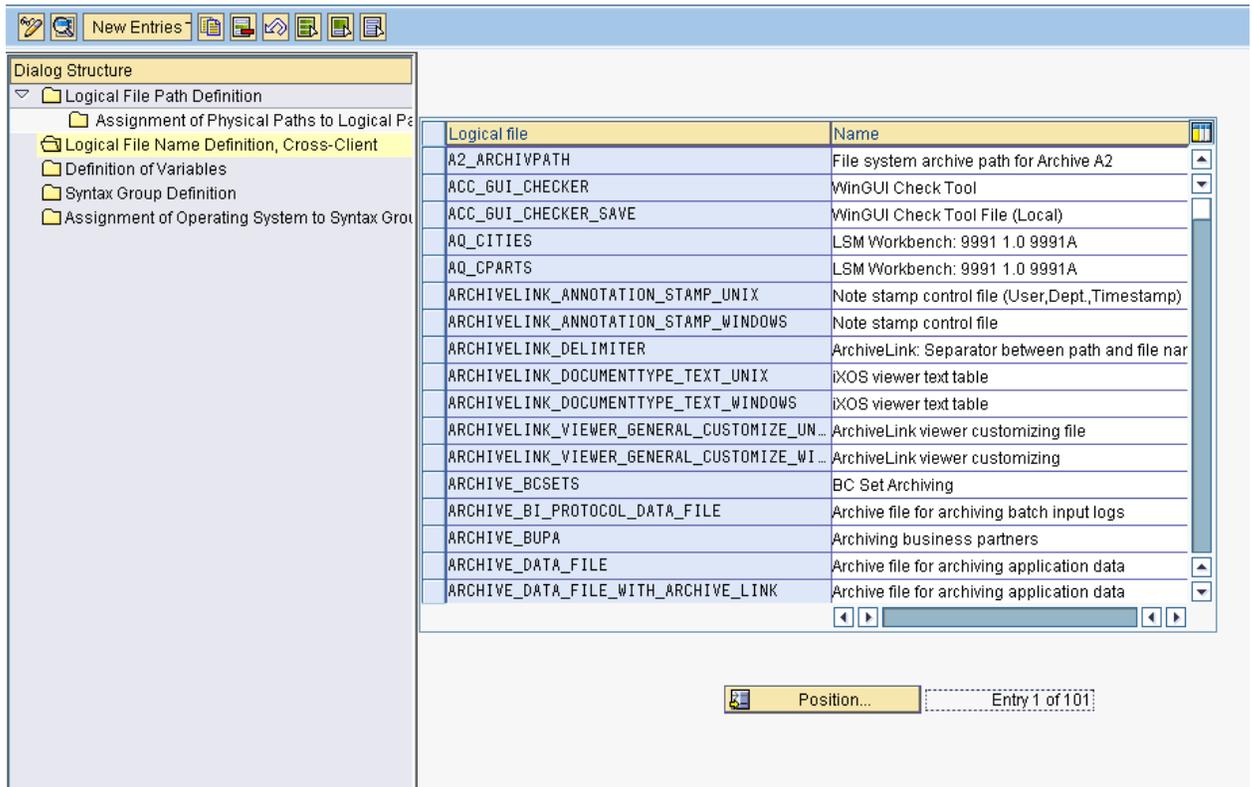
Creating logical file name:

Logical file names can be defined as client-specific (transaction *SF01*) or cross-client (transaction *FILE*). A client-specific definition always overrides a cross-client definition. Ensure, therefore, that in every client any unnecessary client-specific definitions are deleted.

The following describes the procedure for creating a cross-client definition using the transaction *FILE*. You create the client-specific definition in the same way using transaction *SF01*.

1. Call transaction *FILE*:

Change View "Logical File Name Definition, Cross-Client": Overview



The screenshot shows the SAP Change View interface for 'Logical File Name Definition, Cross-Client'. The left pane displays the 'Dialog Structure' with the following items:

- Logical File Path Definition
 - Assignment of Physical Paths to Logical Paths
 - Logical File Name Definition, Cross-Client** (selected)
 - Definition of Variables
 - Syntax Group Definition
 - Assignment of Operating System to Syntax Groups

The main area displays a table of logical files:

Logical file	Name
A2_ARCHIVPATH	File system archive path for Archive A2
ACC_GUI_CHECKER	WinGUI Check Tool
ACC_GUI_CHECKER_SAVE	WinGUI Check Tool File (Local)
AQ_CITIES	LSM Workbench: 9991 1.0 9991A
AQ_CPARTS	LSM Workbench: 9991 1.0 9991A
ARCHIVELINK_ANNOTATION_STAMP_UNIX	Note stamp control file (User,Dept,Timestamp)
ARCHIVELINK_ANNOTATION_STAMP_WINDOWS	Note stamp control file
ARCHIVELINK_DELIMITER	ArchiveLink: Separator between path and file name
ARCHIVELINK_DOCUMENTTYPE_TEXT_UNIX	iXOS viewer text table
ARCHIVELINK_DOCUMENTTYPE_TEXT_WINDOWS	iXOS viewer text table
ARCHIVELINK_VIEWER_GENERAL_CUSTOMIZE_UNIX	ArchiveLink viewer customizing file
ARCHIVELINK_VIEWER_GENERAL_CUSTOMIZE_WINDOWS	ArchiveLink viewer customizing
ARCHIVE_BCSETS	BC Set Archiving
ARCHIVE_BI_PROTOCOL_DATA_FILE	Archive file for archiving batch input logs
ARCHIVE_BUPA	Archiving business partners
ARCHIVE_DATA_FILE	Archive file for archiving application data
ARCHIVE_DATA_FILE_WITH_ARCHIVE_LINK	Archive file for archiving application data

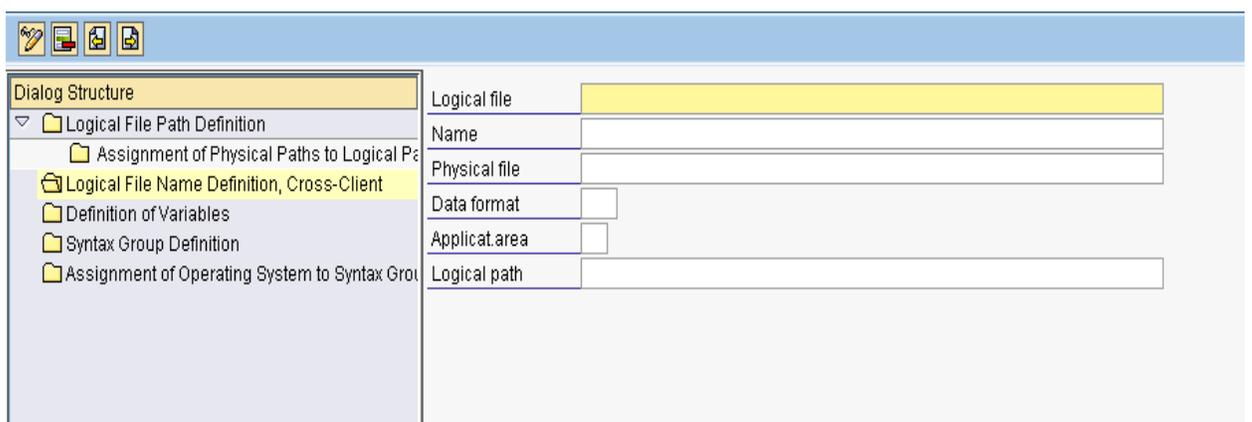
At the bottom of the table, there is a 'Position...' field showing 'Entry 1 of 101'.

Double click on "Logical File Name Definition, Cross-Client."

And then select New Entries.

2. Give the name of the file, which should reflect its function.

New Entries: Details of Added Entries



The screenshot shows the 'New Entries: Details of Added Entries' dialog box. The left pane displays the 'Dialog Structure' with the following items:

- Logical File Path Definition
 - Assignment of Physical Paths to Logical Paths
 - Logical File Name Definition, Cross-Client** (selected)
 - Definition of Variables
 - Syntax Group Definition
 - Assignment of Operating System to Syntax Groups

The main area displays the following fields:

Logical file	
Name	
Physical file	
Data format	
Applicat.area	
Logical path	

New Entries: Details of Added Entries

Dialog Structure	
Logical File Path Definition	Logical file
Assignment of Physical Paths to Logical Paths	Name
Logical File Name Definition, Cross-Client	Physical file
Definition of Variables	Data format
Syntax Group Definition	Applicat.area
Assignment of Operating System to Syntax Group	Logical path

Logical file	Z_BDC_SALES_EXTRACT_FILE
Name	BDC Sales Extract
Physical file	
Data format	<input type="checkbox"/>
Applicat.area	<input type="checkbox"/>
Logical path	

When this file will be generated in the application server, it will have the name that you have given in the **PHYSICAL FILE**.

New Entries: Details of Added Entries

Dialog Structure	
Logical File Path Definition	Logical file
Assignment of Physical Paths to Logical Paths	Name
Logical File Name Definition, Cross-Client	Physical file
Definition of Variables	Data format
Syntax Group Definition	Applicat.area
Assignment of Operating System to Syntax Group	Logical path

Logical file	Z_BDC_SALES_EXTRACT_FILE
Name	BDC Sales Extract
Physical file	BDCEXTRACT_DAILY[.csv]
Data format	<input type="checkbox"/>
Applicat.area	<input type="checkbox"/>
Logical path	

If we give physical name as following,

"<YEAR><MONTH><DATE>_<HOUR><MINUTE><SECOND>_PP0.csv"

When file is generated, these parameters will be replaced according to current system date and current time. For Example, the file is generated on 20/11/2008 at 9.53.22 a.m., then the file name will be

“20081120_095322_PP0.csv”

Specify the data format whether it is ASC or Binary. Following formats are available.

Transfer Format for Data	Short Description
ASC	ASCII
BIN	Binary
DBF	DBASE Format
IBM	ASCII with IBM code page conversion(DOS)
WK1	Spreadsheet format
DAT	ASCII data table with column tab

Enter the application area.

Application Area	Short Description
XF	Non-application-dependent from Financial Accounting view
AM	Asset Accounting
BC	SAP NetWeaver
CO	Controlling
FI	Financial Accounting
GL	General Ledger
HR	Human Resources
IS	Industry Solutions
MC	Logistics Controlling
MM	Materials Management
OC	Office & Communication
PM	Plant Maintenance
PP	Production planning
PS	Project System
QM	Quality Management
SD	Sales and Distribution
EC	Enterprise Controlling
TR	Treasury
CA	General cross-application
CR	Customer Relationship Management (CRM)
BW	Business Information Warehouse (BW)
EB	EBP (Enterprise Buyer Professional)

And enter the logical path where you want to store the generated file. Select the name of the logical path name.

New Entries: Details of Added Entries

The screenshot shows the 'New Entries: Details of Added Entries' dialog box. The 'Dialog Structure' tree on the left is expanded to show 'Logical File Name Definition, Cross-Client'. The main area displays the following fields:

- Logical file: Z_BDC_SALES_EXTRACT_FILE
- Name: BDC Sales Extract
- Physical file: BDC_EXTRACT_DAILY.csv
- Data format: ASC
- Applicat.area: BC
- Logical path: Z_BDC_SALES_EXTRACT

3. Now save this new entry.

By doing this, we have specified the platform-specific physical path and name under which the archive files were stored.

Now for example, if your requirement is to fetch data in a logical file on application server using Analysis Process Designer, then in the target file name , specify the name of the file that you have written in the “**Logical file**” field while creating it. On scheduling this APD a file will be generated on application server with the name, which you have specified in the “**Physical File**” field.

Related Content

<https://forums.sdn.sap.com/thread.jspa?threadID=418819>

http://help.sap.com/saphelp_nw04/helpdata/en/8d/3e4edc462a11d189000000e8323d3a/frameset.htm

http://help.sap.com/saphelp_nw04/helpdata/en/2c/4a0d40854ee569e10000000a155106/frameset.htm

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