

IBM WebSphere Transformation Extender



Archive (Zip) Adapter

Version 8.1

Note

Before using this information, be sure to read the general information in "Notices" on page 11.

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This edition of this document applies to IBM WebSphere Transformation Extender Version 8.1; and to all subsequent releases and modifications until otherwise indicated in new editions.

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Contents

Chapter 1. Archive (Zip) adapter	1
Overview	1
System requirements	1
Chapter 2. Command alias	3
Chapter 3. Archive (Zip) commands	5
List of commands	5
Archive File (FILE)	5
Archive Data (MEMORY)	5
Archive Restore	6
Chapter 4. Syntax summary	7
Data sources	7
Data targets	7
Examples	7
Chapter 5. Return codes and error messages	9
Messages	9
Notices	11
Programming interface information	13
Trademarks and service marks	13
Index	15

Chapter 1. Archive (Zip) adapter

This is an introduction to the Archive (Zip) adapter. Use the adapter with a Command Server, Launcher, Software Development Kit, or map in a map rule.

Overview

Use the Archive (Zip) adapter to compress or extract Windows files for use as a backup or archive. This adapter is for use on Windows platforms only. To archive files on UNIX platforms, use the Archive (Tar) adapter.

System requirements

The minimum system requirements and operating system requirements for the Archive (Zip) adapter are detailed in the release notes. It is assumed that a Command Server has already been installed on the computer where the adapter is to be installed for run-time purposes.

Chapter 2. Command alias

Adapter commands can be specified by using a command string on the command line or by creating a command file that contains adapter commands. The execution command syntax is:

```
-IA[alias] card_num  
-OA[alias] card_num
```

where -IA is the Input Source Override execution command and -OA is the Output Target Override execution command, *alias* is the adapter alias, and *card_num* is the number of the input or output card. The following table shows the adapter alias and its execution command.

Adapter	Alias	As Input	As Output
Archive (Zip)	ZIP	-IAZIP <i>card_num</i>	-OAZIP <i>card_num</i>

Chapter 3. Archive (Zip) commands

This is a description of the functions and use of the Archive (Zip) adapter commands and their options.

List of commands

The following table lists valid commands for the Archive (Zip) adapter, the command syntax, and whether the command is supported (✓) for use with data sources, data targets, or both.

The Archive (Zip) adapter commands do not require a hyphen before the command. The Archive (Zip) adapter commands do not follow the command syntax of other adapter

Command	Syntax	Source	Target
Archive File (FILE)	FILE, <i>archive_name,files_to_zip</i>		✓
Archive Data (MEMORY)	MEMORY, <i>archive_name,files_to_zip</i>		✓
Archive Restore	<i>archive_name,files_to_unzip</i>	✓	

Archive File (FILE)

Use the Archive File adapter command (FILE) to produce a compressed archive file in the map directory. Data passed from the output card is ignored.

FILE,*archive_name,files_to_zip*

Option Description

archive_name

Specify the name of the resulting archive file.

,

The comma is a required separator between options.

files_to_zip

Specify the file to be archived. Specify multiple files using a space-delimited list. You can also use standard DOS wildcards (* and ?). Enclose long filenames in double quotation marks (" *longfilename* ").

Note: The *files_to_zip* must be a fully qualified path. If the file name is not a fully qualified path, a success status is returned by the adapter, but the file is not added to the archive.

Archive Data (MEMORY)

Use the Archive Data adapter command (MEMORY) to produce a compressed archive file in the map directory. The data is added to the archive.

MEMORY,*archive_name,files_to_zip*

Option Description

archive_name

Specify the name of the resulting archive file.

, The comma is a required separator between options.

files_to_zip

Specify the file to be archived. Specify multiple files using a space-delimited list. You can also use standard DOS wildcards (* and ?). Enclose long filenames in double quotation marks (" *longfilename* ").

Archive Restore

Use the Archive Restore command to retrieve files from a specified archive. You must specify the following arguments with no preceding adapter command:

archive_name,files_to_unzip

Option Description

archive_name

Specify the name of the archive that contains the files to be restored.

, The comma is a required separator between options.

files_to_unzip

Specify the files to be restored from archive.

Chapter 4. Syntax summary

This is a description of the Archive (Zip) adapter syntax summary and how it is used.

Data sources

The following is the syntax of the Archive (Zip) adapter commands used for data sources:

```
archive_name,files_to_unzip
```

Data targets

The following is the syntax of the Archive (Zip) Adapter commands used for data targets:

```
FILE,archive_name,files_to_zip  
MEMORY,archive_name,files_to_zip
```

Examples

For the **Source** setting in an input card, select **Archive (Zip)**. In the **GET** → **Source** → **Command** field, enter the Restore adapter command:

```
data.txt,SavRecord
```

The Archive Restore command extracts and restores a file named **data.txt** from an archive file named **SavRecord**.

To override Archive (Zip) adapter settings for the first output card and create an archive file named **SavRecord** containing the file **data.txt**, the Archive file adapter command string is:

```
-0AZIP1 'FILE,SavRecord,data.txt'
```

Chapter 5. Return codes and error messages

Return codes and messages are returned when the particular activity completes. Return codes and messages might also be recorded as specified in the audit logs, trace files, execution summary files, and so on.

Messages

The following is a listing of all the codes and messages that can be returned as a result of using the Archive (Zip) adapter for sources or targets.

Adapter return codes with positive numbers are warning codes that indicate a successful operation. Adapter return codes with negative numbers are error codes that indicate a failed operation.

Return Code

Message

0	OK
-1	Invalid command line: missing zip file name after 'file' keyword.
-1	Invalid command line: missing zip file name after 'memory' keyword.
-1	Invalid command line: missing zip file name after 'echo' keyword.
-1	Invalid command line: missing zip member name (after zip file name).
-1	Invalid command line: expected 'file', 'memory', or 'echo' as first argument.
-1	Invalid command line: missing zip file name.
-600	Internal Error: Resource Manager Error
-?	ZIP_ADD: DynaZip error occurred (????).
-?	ZIP_MEMTOFILE: DynaZip error occurred (????).
-?	UNZIP_COUNTALLZIPMEMBERS: DynaZip error occurred (????).
-?	UNZIP_COUNTNAMEDZIPMEMBERS: DynaZip error occurred (????).
-?	UNZIP_GETNEXTNAMEDZIPINFO: DynaZip error occurred (????).
-?	UNZIP_FILETOEMEM: DynaZip error occurred (????).

-? is a DynaZip API error return (non-zero) made negative if > 0 and where ??? is a DynaZip API supplied error message.

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IBM WebSphere Transformation Extender, Version 8.1

Index

A

alias 3
Archive (Zip) adapter 1
Archive Data (MEMORY) adapter command 5
Archive File (FILE) adapter command 5
Archive Restore adapter command 6

C

commands 5
 Archive Data (MEMORY) 5
 Archive File (FILE) 5
 Archive Restore 6

E

error messages 9

R

return codes 9

S

syntax summary 7



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