

Archive Decomposer

Archive Decomposer

The Decomposer represents the plug-in family of all classes/programs of varied packed/compressed files that handle a decomposition.

The decompression of containers is invoked from two areas of the system:

1. Web Deposit – according to the material flow definition, the container (e.g. zip file) is decomposed into the inner files using the plug-in. In this case, the container is disregarded and only the inner files are ingested into Rosetta as they were in the original streams.
2. Validation Stack – according to decomposition rules, a container (e.g. multi-page TIFFs) is decomposed into bitStreams (retained only in the operational DB). These inner files, the bitStreams, also pass through the ValidationStack (that is, identification, tech-md-extraction, risk-extraction) and participate in the risk report.

Plug-in Parameters

The Archive Decomposer requires two parameters:

- Full file name (including full path) – full name of the container input file
- Directory name - where the inner files will be extracted to

Usage

Once installed, the Archive Decomposer can be used as the decomposing tool in the following decomposition rules setup.

Decompose at the Time of Loading

Rosetta can decompose a compound file while loading it onto the deposit server so that only the inner files are loaded while the original compound file is not. The tool used for decomposing the compound file is one of the installed Archive Decomposer plug-ins, which is accessible in the Automatic Decomposition Rules rule editor (**Administration > Deposit > Automatic Decomposition Rules**).

Home / Automatic Decomposition Rules / Details

Rule Editor

* Name:

Description:

Created By: System Created on: 14/09/2010 14:30:16
 Updated By: Last Update on:

Input General Parameters

Parameter	Operator	Value
File Extension *	=	zip

Output Parameters:

Parameter	Result
Extractor Plugin Name *	Unzip with encoding

Decomposition Rule

ByteStream Extraction

Another use of the Archive Decomposer plug-in is the ByteStream extraction. This mechanism allows Rosetta to extract and store technical MD (needed for preservation) of each of the inner files. The tool to be used for decomposing the compound file is one of the installed Archive Decomposer plug-ins which will be accessible in the Rules for Bytestream MD Extraction rule editor.

Home / Rules for Bytestream MD Extraction / Details

Rule Editor

* Name:

Description:

Created By: John Smith Created on: 27/05/2021 10:54:33
 Updated By: Ex Libris Last Update on: 27/05/2021 10:54:33

Input Dynamic Parameters:

Dnx Section	Dnx Section Key	Operator	Value
generalFileCharacteristics	label	Any	

Output Parameters:

Parameter	Result
Extractor Plugin Name *	decomposeArcFile

Bytestream Metadata Extraction Rule - Details

Implementations

Rosetta includes three implementations of the Archive Decomposer plug-in:

- decomposerArcFile – A script plug-in to decompose ARC files
- Unzip – A script plug-in to decompose ZIP files
- Unzip With Encoding – A script plug-in to decompose ZIP files that require special encoding for the inner files

Plug-in Management

Bundled Custom

Filter: Decomposer Plugins Find: in: All Go

Add Plug-In Instance View 100 Records 1 - 3 of 3 Plug-In

	Active	Plug-In Type Name	Plug-In Name	Description	Contact Person	Plug-In Version			
1	<input checked="" type="checkbox"/>	DecomposerPlugin	decomposeArcFile	decomposeArcFile	National Library Ne...	2.0	View	Edit	Delete
2	<input checked="" type="checkbox"/>	DecomposerPlugin	ZipExtractor	unzip	Exlibris Ltd	2.0	View	Edit	Delete
3	<input checked="" type="checkbox"/>	DecomposerPlugin	UnzipWithEncoding	Unzip with encoding	Exlibris Ltd	3.0	View	Edit	Delete

1 - 3 of 3 Plug-In

Back

Decomposer Plug-in Management