

Tools - Version Organizer

What's new?

Please see [Tools - Version Organizer - Release Notes](#) for more information.

Purpose

The purpose of the Version Organizer is to free some disk space from the [delivery folder](#) :

- By [archiving](#) all application versions that have been accepted and deployed, except for "Current Version" and a given number of previous ones
- Or [destroying](#) all application versions that have not yet been accepted
- Or both at the same time

The screenshot displays the Version Organizer interface with three main sections of version data:

- Not delivered:** A table with columns 'Version Name', 'Version Date', and 'Previous Version'. It shows version 14.0 (dated 17/12/19, previous 13.0) and version 13.0 (dated 15/12/19, previous 12.0). A red circle highlights this section with the text 'CANDIDATES TO DESTROY OPERATION'.
- Delivery accepted:** A table with columns 'Version Name', 'Is Current Version', 'Version Date', and 'Previous Version'. It lists versions 8.0, 11.0, 10.0, and 12.0. Version 12.0 is marked as the current version. A blue circle highlights this section with the text 'CANDIDATES TO ARCHIVE OPERATION (if NUMBER = 2)'. A green circle highlights the 'Delivery without source code' section below it with the text 'ALREADY ARCHIVED VERSIONS'.
- Delivery without source code:** A table with columns 'Version Name', 'Is Current Version', 'Version Date', and 'Previous Version'. It lists versions 1.0 through 5.0, all marked as not current.

For more information on Version Status, refer to [DMT - Version status](#)

The Version Organizer may be used for a single application, or in an automated multi-application mode.

Its main component is a Groovy script that can be used in many different ways. Hence the following file tree:

File Tree

- Main Component : *PmcCleanUpVersions.cgroovy*.
- Folder *SingleApplication*:
 - Batch for archiving only : *SingleApplicationArchiveDeployedVersions.bat*
 - Batch for destroying only : *DestroyedUnacceptedVersions.bat*
 - Batch for doing both: *SingleApplicationDestroyAndArchive.bat*
- Folder *MultiApplications*:
 - Folder *generator*:
 - Tool *generate_batch_for_version_archiver.py*
 - Generator Batch for archiving only : *GenerateBatchArchiveDeployedVersions.bat*
 - Generator Batch for destroying only : *GenerateBatchDestroyUnacceptedVersions.bat*
 - Generator Batch for doing both: *GenerateBatchDestroyAndArchive.bat*

This tool is provided by Maintenance Team, and published as an extension [com.castsoftware.labs.tools.versionorganizer](#)

Applicable in CAST Version

Release	Yes/No
8.3.x	✓

Applicable RDBMS

RDBMS	Yes/No
CSS3	✓
CSS2	✓

Prerequisites

Follow the below prerequisites before running the tool:



CAST-AIP

CAST-AIP must be installed on the server where you launch the scripts.



Delivery Folder

The delivery folder should be accessible from the server where you launch the scripts.



BACKUPS

Take a backup of the triplet before proceeding.
Take a zip of the delivery folder before proceeding

Single-Application Mode

If you mean to process one application only, configure one of the batch files in subfolder *SingleApplication*, depending on the operation you mean to run:

- *SingleApplicationArchiveDeployedVersions.bat* : Archive all versions that have been accepted and deployed, except for "Current Version" and a given number of previous ones
- *SingleApplicationDestroyUnacceptedVersions.bat* : Destroy all version that have not yet been accepted
- *SingleApplicationDestroyAndArchive.bat* : Both at the same time

Configuration

The batch file must be configured with the following mandatory variables : FLATDIR, LOGDIR, CONNECTION_PROFILE, APP_NAME

There are optional variables : TEMPDIR, NUMBER

Configuration - Single-Application Mode

```
REM Mandatory
set "FLATDIR=<CAST AIP Installation PATH>"
set "LOGDIR=<Path to the log folder>"
set "CONNECTION_PROFILE=<Connection Profile>"
set "APP_NAME=<Application Name>"

REM Optional
set "TEMPDIR=%TEMP%"
set NUMBER=2
```

FLATDIR must be set to the CAST Installation path

LOGDIR must be set to the folder where the log file of the Main Component should be generated

CONNECTION_PROFILE must be set to the connection profile to the application

APP_NAME must be set to the application name

TEMPDIR is a temporary folder. Your user must have read, write and execute rights on it. Default is %TEMP%
NUMBER is the number of deployed versions to keep (including "Current Version"). Default is 2 (ie Current Version and its previous version)

Simulate then execute

Usage

First launch the batch you have configured with no argument. It will run in Simulation mode, and write to the log file what it would do in Execution mode

cmd

```
C:\ProgramData\CAST\CAST\Extensions\com.castsoftware.versionorganizer.1.0.0\SingleApplication> SingleApplicationDestroyAndArchive.bat
```

DestroyAndArchive-20191212174634.log

Running action: Executes a groovy script

```
Version Manager - version 1.0  
Using CAST-AIP version 8.3.16
```

```
Script running in SIMULATION MODE
```

```
Application Hopefully Last Test found
```

```
Keeping Current Version : 10.0 (dmtid:41917dd8-3424-40c0-9a22-a557239889f9)  
Keeping version 8.0 (dmtid:4dc4df21-c622-4161-ac4b-932d4b394960)
```

```
Examining 9.0; entry = dmtid:c06763f3-1d6b-4c1b-b926-b5d9f00e1f0f  
Version 9.0 (dmtid:c06763f3-1d6b-4c1b-b926-b5d9f00e1f0f) is already purged
```

```
Examining 7.0; entry = dmtid:4224e9f7-cef6-41d7-9464-74a7bebda7b6  
Adding 7.0 (dmtid:4224e9f7-cef6-41d7-9464-74a7bebda7b6) to archive
```

```
Examining 10.0; entry = dmtid:41917dd8-3424-40c0-9a22-a557239889f9  
Version 10.0 (dmtid:41917dd8-3424-40c0-9a22-a557239889f9) must be kept
```

```
Examining 8.0; entry = dmtid:4dc4df21-c622-4161-ac4b-932d4b394960  
Version 8.0 (dmtid:4dc4df21-c622-4161-ac4b-932d4b394960) must be kept
```

```
Simulation finished
```

Saving document: Executes a groovy script

If you are satisfied with the simulation, then run the batch with argument **doit**. It will run in Execution mode.

cmd

```
C:\ProgramData\CAST\CAST\Extensions\com.castsoftware.versionorganizer.1.0.0\SingleApplication> SingleApplicationDestroyAndArchive.bat  
doit
```

DestroyAndArchive-20191212175235.log

```
Running action: Executes a groovy script

Version Manager - version 1.0
Using CAST-AIP version 8.3.16

Script running in EXECUTION MODE

Application Hopefully Last Test found

Cleaning-up Management Base
Done cleaning-up Management Base : removed 0 entries

Keeping Current Version : 10.0 (dmtid:41917dd8-3424-40c0-9a22-a557239889f9)
Keeping version 8.0 (dmtid:4dc4df21-c622-4161-ac4b-932d4b394960)

Examining 9.0; entry = dmtid:c06763f3-1d6b-4c1b-b926-b5d9f00e1f0f
Version 9.0 (dmtid:c06763f3-1d6b-4c1b-b926-b5d9f00e1f0f) is already purged

Examining 7.0; entry = dmtid:4224e9f7-cef6-41d7-9464-74a7bebda7b6
Adding 7.0 (dmtid:4224e9f7-cef6-41d7-9464-74a7bebda7b6) to archive

Examining 8.0; entry = dmtid:4dc4df21-c622-4161-ac4b-932d4b394960
Version 8.0 (dmtid:4dc4df21-c622-4161-ac4b-932d4b394960) must be kept

Examining 10.0; entry = dmtid:41917dd8-3424-40c0-9a22-a557239889f9
Version 10.0 (dmtid:41917dd8-3424-40c0-9a22-a557239889f9) must be kept

Start processing...
Archiving 7.0 (dmtid:4224e9f7-cef6-41d7-9464-74a7bebda7b6)
starting Task Delete source code from Delivery
Remaining iterations : 1
Done !
Saving document: Executes a groovy script
Document saved: Executes a groovy script (Duration: 1829 ms)
Return value: 0
[ ... ]
Running action: Executes a groovy script

Version Manager - version 1.0
Using CAST-AIP version 8.3.16

Script running in EXECUTION MODE

Application Hopefully Last Test found

Cleaning-up Management Base
Done cleaning-up Management Base : removed 0 entries

Keeping Current Version : 10.0 (dmtid:41917dd8-3424-40c0-9a22-a557239889f9)
Keeping version 8.0 (dmtid:4dc4df21-c622-4161-ac4b-932d4b394960)

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Version 9.0 (dmtid:c06763f3-1d6b-4c1b-b926-b5d9f00e1f0f) is already purged

Examining 8.0; entry = dmtid:4dc4df21-c622-4161-ac4b-932d4b394960
Version 8.0 (dmtid:4dc4df21-c622-4161-ac4b-932d4b394960) must be kept

Examining 10.0; entry = dmtid:41917dd8-3424-40c0-9a22-a557239889f9
Version 10.0 (dmtid:41917dd8-3424-40c0-9a22-a557239889f9) must be kept

Start processing...
Final run
Done !
Saving document: Executes a groovy script
Document saved: Executes a groovy script (Duration: 1829 ms)
Return value: 0
```

You can now reopen CAST-MS and check the results :

Version Name	Version Date	Previous Version	
Not delivered			
Delivery done			
Delivery accepted			
Version Name	Is Current Version	Version Date	Previous Version
11.0	<input type="checkbox"/> false	13/12/19	10.0
12.0	<input checked="" type="checkbox"/> true	14/12/19	11.0
Delivery without source code			
Version Name	Is Current Version	Version Date	Previous Version
10.0	<input type="checkbox"/> false	30/11/19	8.0
8.0	<input type="checkbox"/> false	28/11/19	7.0
9.0	<input type="checkbox"/> false	25/11/19	8.0
7.0	<input type="checkbox"/> false	21/11/19	6.0

Multi-Application Mode

Running the Version Organizer on several applications in a row requires a multi-application batch file.

The multi-application batch file depends on the connection profiles defined for the CAST AIP Installation you are running.

This is why a generator tool needs to be launched on the machine to generate it.

The generator tool is located in the generator subfolder, and can be launched with different options, depending on the operation you mean to run.

That is why there are three different generator batch files in the generator subfolder.

Configure one of the generator batch files in subfolder *MultiApplications\generator*, depending on the operation you mean to run:

- *GenerateBatchArchiveDeployedVersions.bat*: Archive all versions that have been accepted and deployed, except for "Current Version" and a given number of previous ones
- *GenerateBatchDestroyUnacceptedVersions.bat*: Destroy all version that have not yet been accepted
- *GenerateBatchDestroyAndArchive.bat*: Both at the same time

Generator Configuration

The generator batch file must be configured with the following mandatory variables : FLATDIR, LOGDIR, CAST_VERSION

There are optional variables : TEMPDIR, NUMBER, DB_USERNAME, DB_PASSWORD

Generator Configuration - Multi-Application Mode

```
REM Mandatory
set "FLATDIR=<CAST AIP Installation PATH>"
set "LOGDIR=<Path to the log folder>"
set CAST_VERSION=<CAST Version>

REM Optional
set "TEMPDIR=%TEMP%"
set NUMBER=2
set DB_USERNAME=operator
set DB_PASSWORD=CastAIP
```

FLATDIR must be set to the CAST Installation path

LOGDIR must be set to the folder where the log file of the Main Component should be generated

CAST_VERSION must be set to the version of CAST AIP

TEMPDIR is a temporary folder. Your user must have read, write and execute rights on it. Default is %TEMP%

NUMBER is the number of deployed versions to keep (including "Current Version"). Default is 2 (ie Current Version and its previous version)

DB_USERNAME should be the username to connect to your DB servers (here we assume it is the same for all connection profiles) Default is operator

DB_PASSWORD should be the password to connect to your DB servers (here we assume it is the same for all connection profiles) Default is CastAIP

Generate batch file

Launch the generator batch file you have configured. The output will be a multi-application batch file located in subfolder *MutiApplications*

- *GenerateBatchArchiveDeployedVersions.bat* will generate *ArchiveDeployedVersions.bat*
- *GenerateBatchDestroyUnacceptedVersions.bat* will generate *DestroyUnacceptedVersions.bat*
- *GenerateBatchDestroyAndArchive.bat* will generate *DestroyAndArchive.bat*

Simulate then execute

Usage

First launch the multi-application batch you have generated, with no argument. It will run in Simulation mode, and write to the log file what it would do in Execution mode

cmd

```
C:\ProgramData\CAST\CAST\Extensions\com.castsoftware.versionorganizer.1.0.0\MultiApplications> DestroyAndArchive.bat
```

If you are satisfied with the simulation, then run the multi-application batch with argument **doit**. It will run in Execution mode.

cmd

```
C:\ProgramData\CAST\CAST\Extensions\com.castsoftware.versionorganizer.1.0.0\MultiApplications> DestroyAndArchive.bat doit
```

Related Pages

Notes