

Upgrading ADK 3.0.0+ to ADK 3.0.3

Technical Motivation for Restructuring

There have been some changes in library structure of ADK to accommodate the need of different webapps running in tomcat to use their own local version of jar files placed in web-inf/lib. This child-first classloader model is the standard to select which library to use in Jakarta-tomcat. However due to the fact that ADK uses Apache commons-logging and commons-logging, when located in the commons/lib directory, obstructs the tomcat classloader hierarchy, all AGETOR related libraries have been moved to jakarta-tomcat/shared/lib. This change restores the natural child-first classloader in tomcat.

IMPORTANT: *If for some reason one wish to upgrade to 3.0.3 without moving the jar files, please skip section 1 and consult section 2 instead.*

1. Recommended Installation Upgrade Steps:

- Ensure all AGETOR services related to installation are stopped before proceeding
- Place the ADK-install3_0_3.zip in AGETOR_HOME
- Unzip the ADK-install3_0_3.zip in AGETOR_HOME. (This does not overwrite any of your configurations but simply ensures that the install-tool is updated (classes/scripts) and that the ADK/AXT 3.0.3 files are placed in your packages directory (AGETOR_HOME/install/packages)
- Start an AGETOR prompt and execute the command: *prepareADK303Upgrade*
- Close the open AGETOR prompt and start a new one (environment variables has changed)
- Invoke the install tool and install the ADK package (remember **not** to replace the database)
- If you wish to use nt-services the package wrapper3_0_1.apa must be installed
- Remember to kill all old AGETOR prompts since they are now invalid

1.1 Running the Upgrade Script prior to installing the new ADK

AGETOR_HOME/bin/install/prepareADK303upgrade

The above script deletes the files AGETOR_HOME \bin\agetor, AGETOR_HOME \bin\agetor.bat and AGETOR_HOME \bin\install\install.properties. (These three files are generated later by the script)

It then moves all *.jar and *.dll from AGETOR_HOME/jakarta-tomcat/common/lib to AGETOR_HOME/jakarta-tomcat/shared/lib except for the native tomcat jars listed below:

```
commons-el.jar
jasper-compiler.jar
jasper-compiler-jdt.jar
jasper-runtime.jar
jsp-api.jar
naming-factory.jar
naming-factory-dbcsp.jar
naming-resources.jar
servlet-api.jar
```

It will overwrite any existing files in the shared/lib with the ones from common/lib. This step can also be performed manually, in case some jars should not be moved from common/lib to shared/lib. Furthermore if there are any project specific classes in the common/classes directory they should

most likely be moved to shared/classes directory (this is usually not the case). And finally it recreates the deleted files with the new updated paths.

2. 3.0.x Common/Lib Installation Upgrade Instructions:

If you have already completed the upgrade as described in section 1 please skip this section. This section is kept for those wanting to upgrade with the functionality and bugfixes of 3.0.3, but wishing to obtain their current Tomcat library structure i.e. keeping library files in the common/lib folder.

In this case the adk3_0_3.apa package is downloaded from the AGETOR download center and installed using install tool as usual. (Since this is a full package release, care must be taken when answering the question during the installation process, to ensure that installation specific data such is not replaced with the default data)

NOTE: Do not install the NT-service-wrapper 3.0.1 since these point to the shared/lib folders

NOTE: Do unzip or run the full adk3_0_3install.zip/exe since these will update environment variables

NOTE: Consider upgrading using the library paths following the guidelines of section 1 instead.