Modify a Distribution to Change the Aspire Version

WARNING: if you want to change your current Aspire version to 2.0, then you should use the Migration Tool.

The methods detailed below will allow you to change the version of Aspire you use. However, they will not change the version of Apache Felix that Aspire runs inside.

If you want to run Aspire under Java 7, you need to make sure that the distribution in use is from Aspire 1.1 or later.

The easiest way to upgrade if you're not on Felix 4.0.3 or later is to use the distribution archetype, and generate a new distribution. You can then transfer across any custom applications and files, and merge the settings.xml into the new copy.

Run Aspire under Java 7

Note: *If you're already running under Java 7, or you're running under Java 6 with no intention of moving to Java 7, then you can ignore this section.*

To run Aspire under Java 7, you need to run Aspire in Apache Felix version 4.0.3 or later.

1. You can check which version of Apache Felix you're using by going to the Felix console and typing *ps*.
2. Look for the version of the system bundle:

```
Felix> ps
START LEVEL 1
   ID   State         Level  Name
[   0] [Active     ] [    0] System Bundle (4.3.0)
[   1] [Active     ] [    1] Apache Commons FileUpload Bundle (1.2.1)
[   2] [Active     ] [    1] Commons IO (2.4.0)
[   3] [Active     ] [    1] Apache Geronimo Bundles: json-20090211 (20090211.0.0.1)
[   4] [Active     ] [    1] Apache Felix Shell Service (1.4.3)
[   5] [Active     ] [    1] Apache Felix Configuration Admin Service (1.4.0)
[   6] [Active     ] [    1] Apache Felix Log Service (1.0.1)
[   7] [Active     ] [    1] Apache Felix Metatype Service (1.0.4)
[   8] [Active     ] [    1] Apache Felix Http Jetty (2.2.0)
[   9] [Active     ] [    1] Apache Felix Web Management Console (4.0.0)
[  11] [Active     ] [    1] Aspire Application (2.0.0.SNAPSHOT)
```

Internet Connected Installations

If your Aspire instance is configured to automatically load bundles from Maven via the network, follow the instructions below to update the version of Aspire you're running. If your server is not connected to the internet, instructions for updating can be found here.

Version 1.2 or earlier

If you're using an Aspire distribution project that was created using the distribution archetype version 1.2 or earlier and you want to change the version of Aspire it uses, you'll need to:

- Change the default version in your distribution's **config/settings.xml** file to the desired version:

```
<repository type="maven">
  <defaultVersion>AspireVersion</defaultVersion>                      <<<<<<<< Change this
  <remoteRepositories>
    <remoteRepository>
      <id>stPublic</id>
      <url>http://repository.searchtechnologies.com:8081/artifactory/simple/community-public/</url>
      <user>YOUR_MAVEN_USER</user>
      <password>YOUR_MAVEN_PASSWORD</password>
    </remoteRepository>
  </remoteRepositories>
</repository>
```

- Change the reference to the jar file in your distribution's **config/felix.properties** to the desired version:

```
 felix.auto.start.1= \
   file:bundles/system/org.apache.felix.shell.jar \
   file:bundles/system/org.apache.felix.shell.tui.jar \
   file:bundles/system/org.apache.felix.configadmin.jar \
   file:bundles/system/org.apache.felix.log.jar \
   file:bundles/system/org.apache.felix.metatype.jar \
   file:bundles/system/org.apache.felix.http.jetty.jar \
   file:bundles/system/org.apache.felix.webconsole.jar \
   file:bundles/system/org.apache.felix.shell.remote.jar \
   file:bundles/aspire/aspire-application-AspireVersion.jar            <<<<<<<< Change this
```

- Change the aspire-application dependency in your distribution's **_pom.xml_** to the desired version:

```
<dependency>
  <groupId>com.searchtechnologies</groupId>
  <artifactId>aspire-application</artifactId>
  <version>AspireVersion</version>                                    <<<<<<<< Change this
  <type>jar</type>
</dependency>
```

- Rebuild your distribution using Maven:

```
 mvn install
```

Warning: if you use the goal _clean_ in the command above, any changes made to the distribution since the initial build will be lost

Note: in the above, **_AspireVersion_** refers to the version of Aspire you wish to use, and will be of the form **#.#[.#][-SNAPSHOT]**

e.g. 0.9-SNAPSHOT 0.9.1-SNAPSHOT 1.0 1.0.1

Version 1.3 and later

If your distribution was created from the distribution archetype version 1.3 or later, it will by default be using the Bootloader.

You can tell if it's using the Bootloader since when you start Aspire, you'll see a message (either to the console or felix.log file) similar to:

```
*************************************************************************
*
* ASPIRE BOOTLOADER
*
* Bundle id : 12
*
* Location  : file:bundles/boot/aspire-bootloader-1.3-SNAPSHOT.jar
*

Maven update policy: always
```

If this is the case, you only need to change the default version in your distribution's **_config/settings.xml_** file to the desired version:

```
 <repository type="maven">
   <defaultVersion>AspireVersion</defaultVersion>                       <<<<<<<< Change this
   <remoteRepositories>
     <remoteRepository>
       <id>stPublic</id>
       <url>http://repository.searchtechnologies.com:8081/artifactory/simple/community-public/</url>
       <user>YOUR_MAVEN_USER</user>
       <password>YOUR_MAVE_PASSWORD</password>
     </remoteRepository>
   </remoteRepositories>
 </repository>
```

Restarting Aspire will then download the configured version of Aspire.

If you're not using the bootloader, use the same process for versions before 1.3 (above).

Servers without Internet access

In the case of a server that has no internet access, you will already have modified the pom file to add _<dependency>_ tags for all of the bundles you're using.

To update the version of Aspire, update these to the desired version and follow the same process for the versions before 1.3 (above).

Important: You must remove the old versions of the bundles from the _bundles/aspire_ directory either manually or by running a _clean_ - but beware: using _clean_ will remove any modifications you made to the configuration.