

# Assembling a server using GEP

## Creating and using a custom server assembly

In this section we discuss how to use the Geronimo Eclipse Plugin to create and use a custom server assembly. Before you begin, you must have [Eclipse](#) and [Geronimo Eclipse Plugin](#) installed, and define a [Geronimo server and server runtime](#) in Eclipse.

### Creating a custom server assembly

In order to create a custom server assembly, you must already have a Geronimo Server installed and started.

1. Double-clicking the Geronimo server will bring up the server editor in the main window.
2. Selecting *Plugin* page and clicking **Create Custom Assembly** will bring up the *New Server Custom Assembly* dialog that is shown below.
3. Select relevant plugins or plugins group to be extracted from the server. Items for working with the server can be found on the [Plugin Group](#) page.
4. Enter in the pertinent information and select all the items that you desire to have in the new server. Press **Ctrl** key to select multiple items in the list. Note that **Geronimo Assembly :: Boilerplate** or **Geronimo Plugin Group :: Framework** MUST be selected in order to create a working server.

**New Server Custom Assembly**

**Server Custom Assembly Details**  
Provide details for this server custom assembly.

Group Id:

Artifact Id:

Version:

Type:

Path:

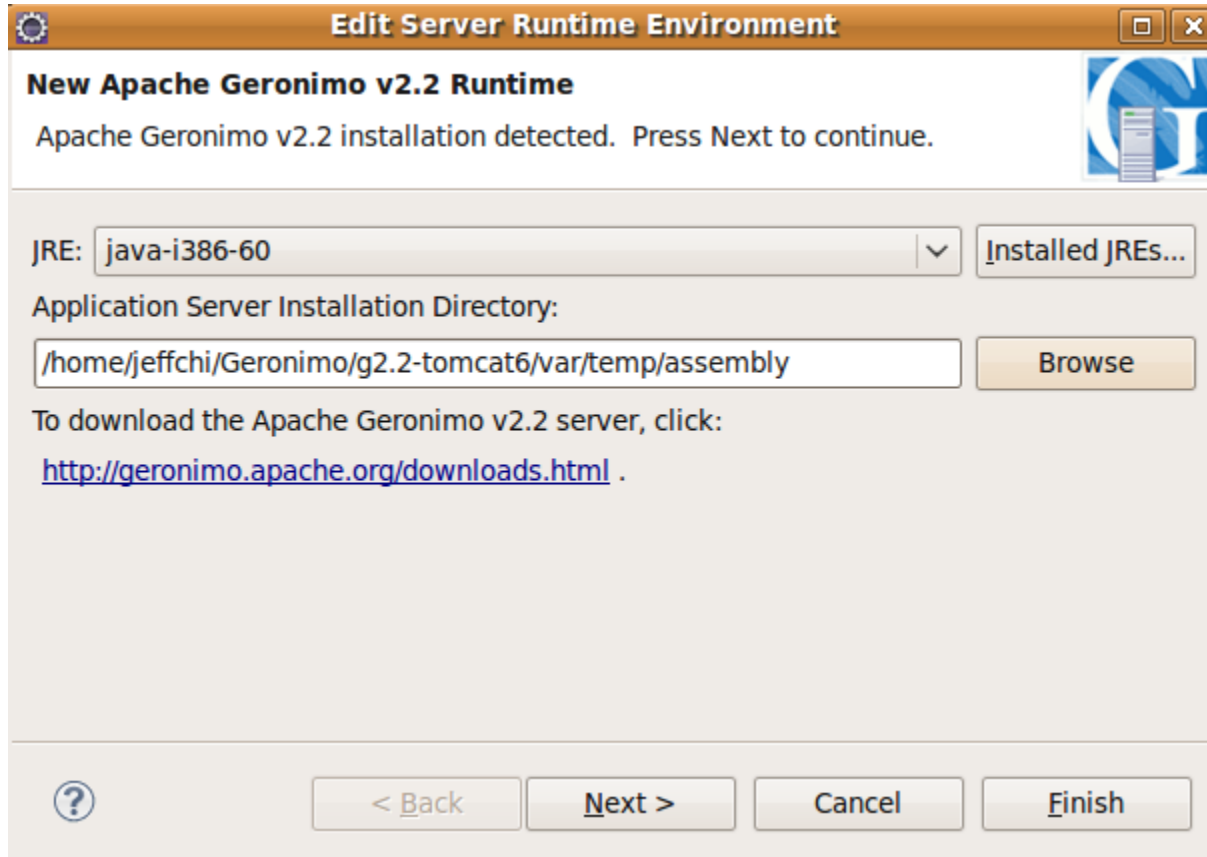
Plugin

- Geronimo Plugin Group :: Web Little-G Tomcat
- Geronimo Plugin Group :: Client
- Geronimo Plugin Group :: EJB
- Geronimo Plugin Group :: Framework**
- Geronimo Plugin Group :: Java EE 5 Tomcat
- Geronimo Plugin Group :: Persistence**
- Geronimo Plugin Group :: WADI Clustering Tomcat
- Geronimo Plugin Group :: Web Services Axis2
- Geronimo Plugin Group :: Web Services CXF

The assembled server will be placed under the directory that you specified. A .tar ball or .zip file will also be placed under the <Geronimo\_home>/var/temp directory of the running server for easy distribution.

### Using the server assembly

Now we have created a customized server assembly, it is time to use it. Stop the original server and uninstall it (easiest done by selecting **Windows->Preferences->Server**, and removing the server runtime environment. See [Defining Geronimo server runtimes and servers](#) page for the details). Use the same approach that you used to install the original server except for one tiny difference. This time, the location of \*Application Server Installation Directory\* should be the one where the newly created server was extracted to.



The screenshot shows a window titled "Edit Server Runtime Environment" with a standard Windows title bar. Inside, the header says "New Apache Geronimo v2.2 Runtime" and "Apache Geronimo v2.2 installation detected. Press Next to continue." with a Geronimo logo. Below this, there's a "JRE:" dropdown menu set to "java-i386-60" and a button "Installed JREs...". The "Application Server Installation Directory:" section has a text box containing "/home/jeffchi/Geronimo/g2.2-tomcat6/var/temp/assembly" and a "Browse" button. A message says "To download the Apache Geronimo v2.2 server, click:" followed by the URL <http://geronimo.apache.org/downloads.html>. At the bottom, there are four buttons: a help icon (?), "< Back", "Next >", "Cancel", and "Finish".

In place of a full stack of Geronimo server that you started with, you should now have a valid and customized Geronimo Server for development.