# Installing Geronimo Eclipse Plugin

{scrollbar}We will be using Eclipse Galileo and Sun JDK 6.0+ for the illustration. Geronimo Eclipse Plugin (GEP) can be installed using the following options:

INLINE

This page describes how to install the current release of the GEP (GEP 3.0-M1).

For information about installing previous releases, see this page.

Note that v3.0-M1 Geronimo server adapter feature provides server adapters for the v1.1.x, v2.0.x, v2.1.x, v2.2 and v3.0-M1 Geronimo servers. The reason for supporting v1.1.x server is to make v1.1.x server adapter compatible with latest version of eclipse. But since Geronimo 1.1 did not officially support JDK 6, it's not recommended to use v1.1.x server adapter with JDK 6. See the requirement in GERONIMODEVTOOLS-578.

If you plan to upgrade GEP to the latest version, you have to uninstall the existing one from your Eclipse first. See Uninstalling GEP for more details.

## Prerequisites Prereqs

- Java SE 1.6.0
- Eclipse IDE for Java EE Developers (Helios (Eclipse 3.6))
  - Eclipse Helios Download
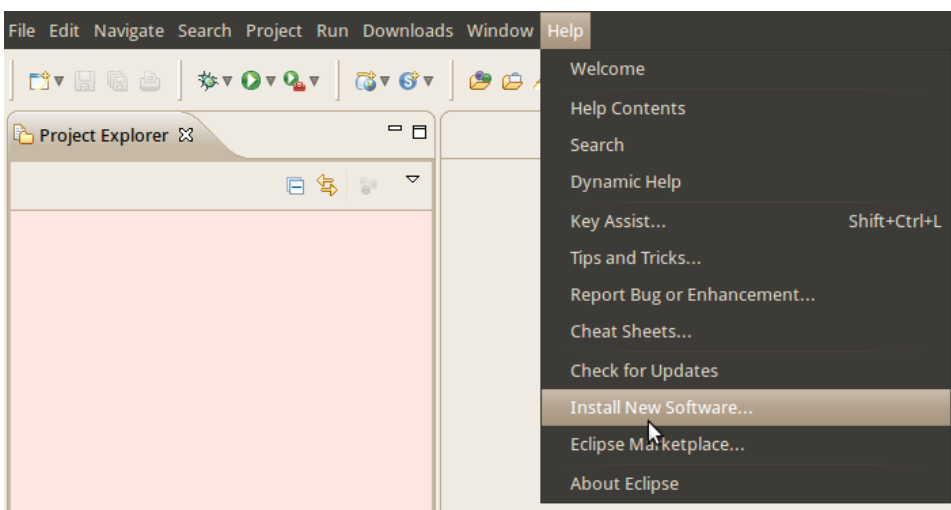- Apache Geronimo 3.0-M1 server
  - Apache Geronimo downloads

Sun JDK 6.0 can be downloaded from Sun's J2SE 6.0 Downloads site. The Eclipse IDE for Java EE Developers can be downloaded from the Eclipse Downloads site. Download and extract the **Eclipse IDE for Java EE Developers** archives to a directory of your choice (for e.g. C:\eclipse). The archive will be extracted to a directory named eclipse under the directory you specified (for e.g. C:\eclipse\eclipse), referred to as *<ECLIPSE_HOME>* from now on. Make sure that the JDK in the PATH is Sun JDK 6.0. Launch Eclipse by running `<ECLIPSE_HOME>/eclipse`.

To install the Geronimo server, download the Geronimo 3.0-M1 server from http://www.apache.org/dist/geronimo/ and extract the archive to a directory of your choice (for e.g. C:\g). The archive will be extracted to a directory **geronimo-tomcat6-javaee5-3.0-M1** (for e.g. C:\g\geronimo-tomcat7-javaee5-3.0-M1) or **geronimo-jetty7-javaee6-3.0-M1** depending on whether you downloaded Geronimo 3.0-M1 distribution with Tomcat or Jetty as the web container. We will refer to this directory as *<GERONIMO_HOME>* from now on.

## Installing GEP using Eclipse update manager

⭐ A video desktop demonstration of Installing the Apache Geronimo Eclipse Plugin with the Eclipse Update Manager is available.

1. Once you have all the prerequisites installed. Launch Eclipse from `<ECLIPSE_HOME>/eclipse`. By default Eclipse will be launched with Java EE perspective.
2. Select **Help->Install New Softwares...** from the menu.



3. On the next screen click **Add**.

**Available Software**

Select a site or enter the location of a site.

Work with: | type or select a site | ▼ | Add...

Find more software by working with the "Available Software Sites" preferences.

type filter text

| Name | Version |
| --- | --- |
| ☐ ⓘ There is no site selected. | |

4. Copy and paste the following site to **Add Site** window and Select **OK**. html http://apache.org/dist/geronimo/eclipse/updates/
5. Expand **Geronimo WTP Server Adapters** and select **Geronimo v3.0 Server Adapter**, then click **Next**.

Work with: | Apache - http://apache.org/dist/geronimo/eclipse/updates/ | ▼ | Add...

Find more software by working with the "Available Software Sites" preferences.

type filter text

| Name | Version |
| --- | --- |
| ☐ ▣ 〰 Geronimo WTP Server Adapters | |
| ☐ 🔧 Geronimo Core Feature | 2.1.1 |
| ☐ 🔧 Geronimo v1.0 Server Adapter | 2.0.0 |
| ☐ 🔧 Geronimo v1.1.x Server Adapter | 2.0.0 |
| ☐ 🔧 Geronimo v2.0 Server Adapter | 2.1.2 |
| ☐ 🔧 Geronimo v2.1 Server Adapter | 2.1.7 |
| ☐ 🔧 Geronimo v2.2 Server Adapter | 2.2.1 |
| ✔ 🔧 Geronimo v3.0 Server Adapter | 3.0.0 |

| Select All | Deselect All | 1 item selected |

**Details**

This feature provides the WTP Server Adapters and additional development tools for the Apache Geronimo
v2.0, v2.1, v2.2, and v3.0 servers.

6. Wait until Eclipse finish resovling the requirements and dependencies. Review the details and click **Finish**.

**Install Details**

Review the items to be installed.

| Name | Version | Id |
|---|---|---|
| ⊟ Geronimo v3.0 Server Adapter | 3.0.0 | org.apache.geronimo.v30.feature.feature.group |
| ⊞ Eclipse Java EE Developer Tools | 3.2.2.v201008190400-7 | org.eclipse.jst.enterprise_ui.feature.feature.group |
| JST Server UI | 3.2.2.v20100908-7A5FE | org.eclipse.jst.server_ui.feature.feature.group |
| ⊞ JST Web UI | 3.2.2.v201008170029-7 | org.eclipse.jst.web_ui.feature.feature.group |

Size: Unknown

Details

?      < Back   Next >   Cancel   Finish

**7.** Review the license and accept the agreement.

**Review Licenses**

Licenses must be reviewed before the software can be installed. This includes licenses for software required to complete the install.

Licenses:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND

1. Definitions.

"License" shall mean the terms and conditions for use, repre
and distribution as defined by Sections 1 through 9 of this c

License text:

Common Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED
UNDER THE TERMS OF THIS COMMON
PUBLIC LICENSE ("AGREEMENT"). ANY USE,
REPRODUCTION OR DISTRIBUTION OF THE

● I accept the terms of the license agreements

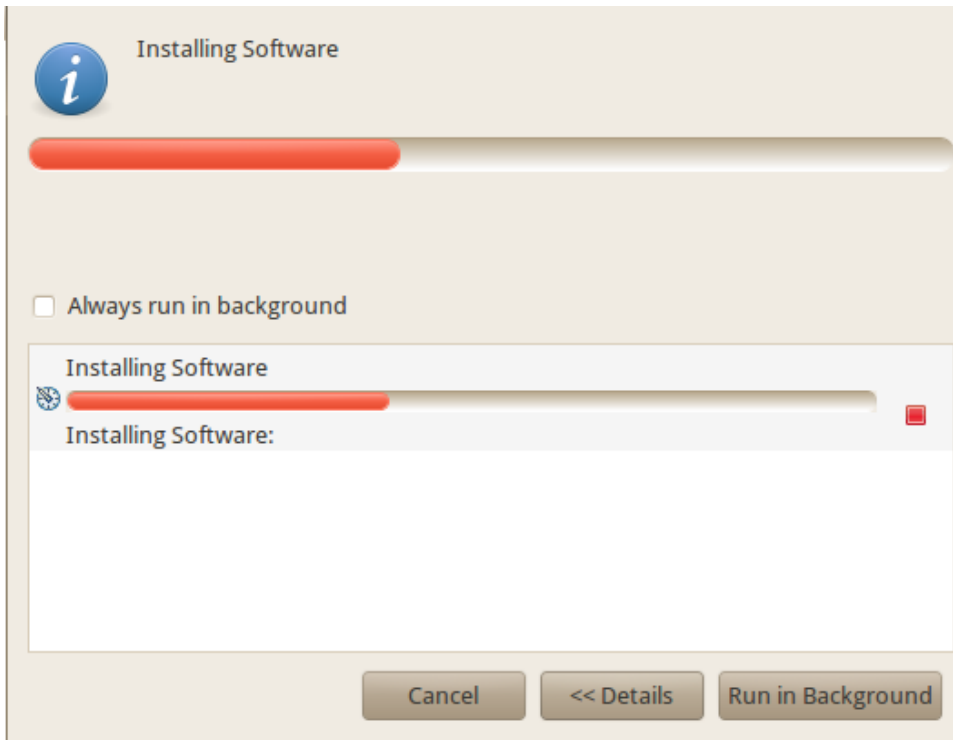○ I do not accept the terms of the license agreemen
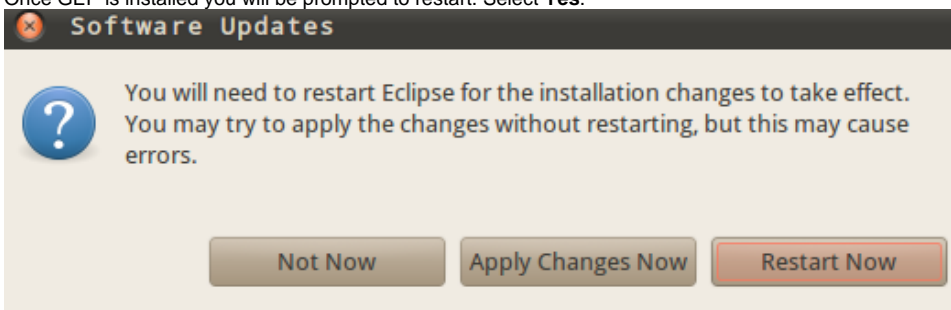
?      < Back   Next >   Cancel   Finish

**8.** You have to wait a few seconds while Eclipse resolves dependencies.

9. Select the items that you trust and select **OK**. You can review the details of these certificates by clicking on **details**.
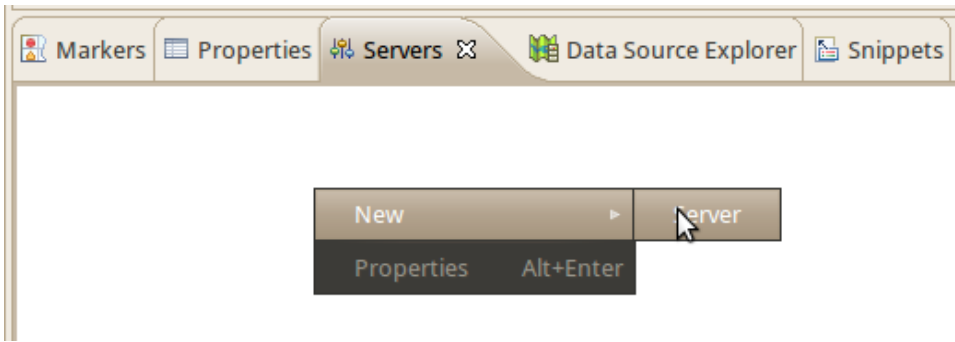
Do you trust these certificates?

☑ http://geronimo.apache.org; Geronimo; Apache

[Select All] [Deselect All]

— http://geronimo.apache.org; Geronimo; Apache
     http://geronimo.apache.org; Geronimo; Apache

[Details]

(?)          [Cancel]      [OK]

10. Once GEP is installed you will be prompted to restart. Select **Yes**.

⊗ **Software Updates**

(?) You will need to restart Eclipse for the installation changes to take effect. You may try to apply the changes without restarting, but this may cause errors.
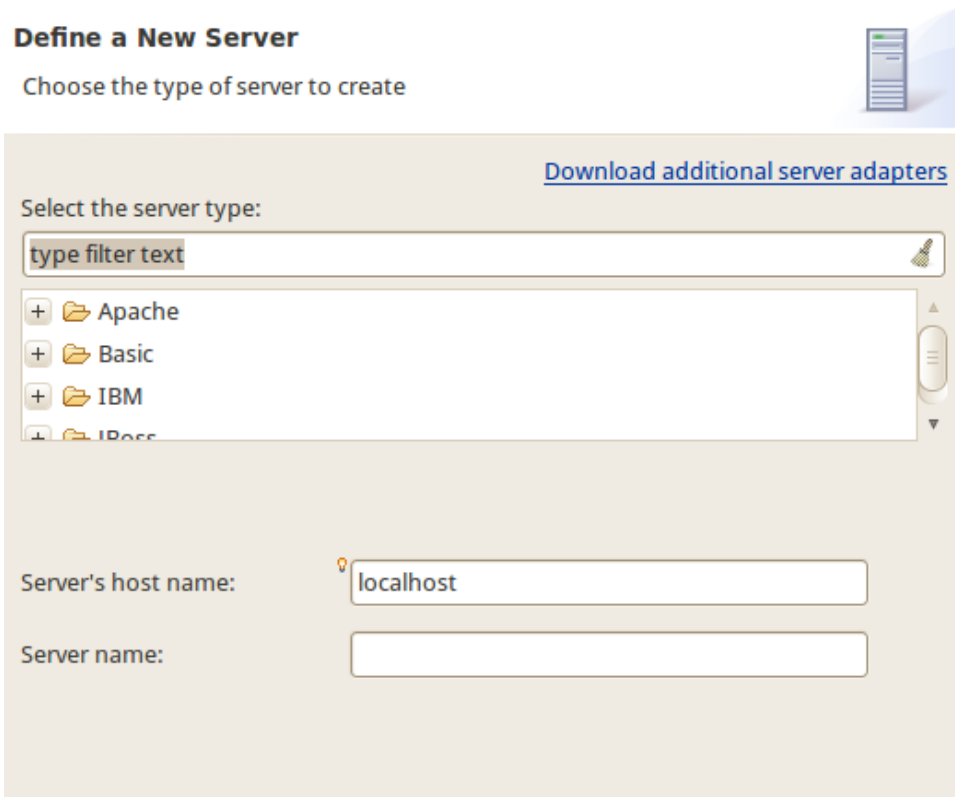
[Not Now]    [Apply Changes Now]    [Restart Now]

# Installing GEP within WTP

1. Once you have all the #Prerequisites installed, launch Eclipse from `<ECLIPSE_HOME>/eclipse`.By default Eclipse will be launched with Java EE perspective.
2. Select the *Servers* tab as shown in the figure and select **New->Server**.

3. On the next screen select **Download Additional Server Adapters**.



4. Select **Geronimo v3.0 Server Adapter** and select **Next**.
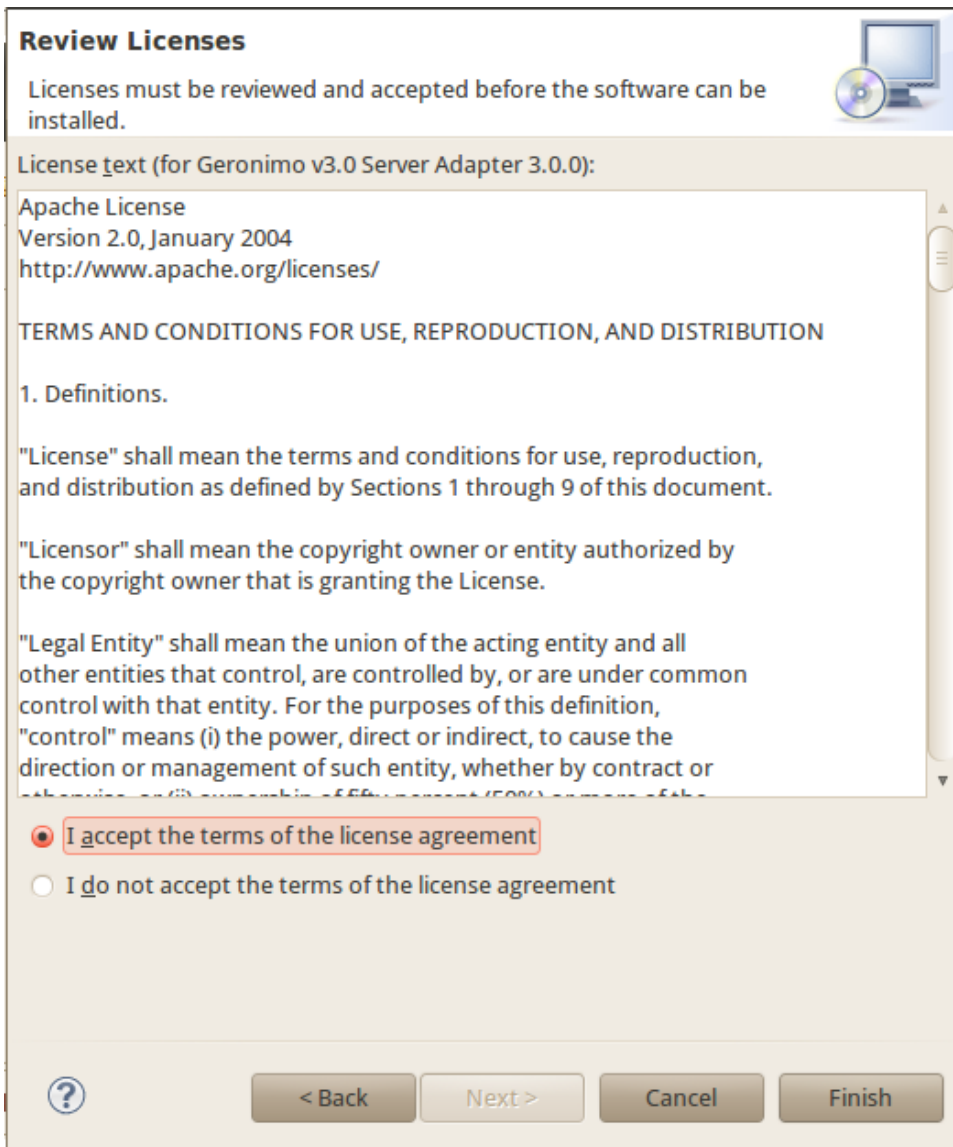
**Install New Extension**

Download and install support for a new server

The following server adapters have been found on remote sites. Select a server adapter to download and install.

| | | |
|---|---|---|
| **Geronimo v1.0 Server Adapter** | | |
| Apache Software Foundation | | 2.0. |
| **Geronimo v1.1.x Server Adapter** | | |
| Apache Software Foundation | | 2.0. |
| **Geronimo v2.0 Server Adapter** | | |
| Apache Software Foundation | | 2.1. |
| **Geronimo v2.1 Server Adapter** | | |
| Apache Software Foundation | | 2.1. |
| **Geronimo v2.2 Server Adapter** | | |
| Apache Software Foundation | | 2.2. |
| **Geronimo v3.0 Server Adapter** | | |
| Apache Software Foundation | | 3.0. |

**5.** Accept the license agreement and select Finish.

**Review Licenses**

Licenses must be reviewed and accepted before the software can be installed.

License text (for Geronimo v3.0 Server Adapter 3.0.0):

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or

- ⦿ I accept the terms of the license agreement
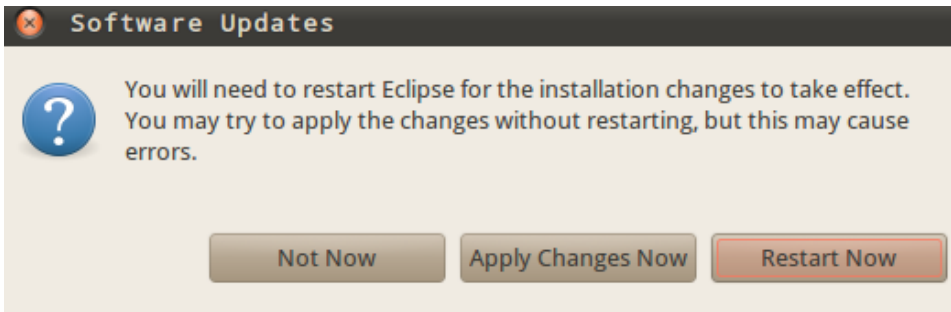- ○ I do not accept the terms of the license agreement

< Back | Next > | Cancel | Finish

6. Next screen will ask for confirmation. Select **OK**. Once done Geronimo V3.0 server adapter will be downloaded and installed.

**Installing Geronimo v3.0 Server Adapter**

Operation in progress...

Fetching org.apache.geronimo.jee.v21.ja...he.geronimo.jee.v21.jaxbmodel_3.0.0.jar

☐ Always run in background

Installing Geronimo v3.0 Server Adapter

Fetching org.apache.geronimo.ru...onimo.runtime.common_3.0.0.jar

7. Once the adapter is installed you will be prompted to restart the server. Select Yes.



From version 3.4, Eclipse adopted a new update manager called P2. The update manager can't uninstall plug-ins that isn't installed by P2. As a result, with this method, GEP can't be uninstalled by eclipse update manager in eclipse 3.4. See Bug245469 for details.
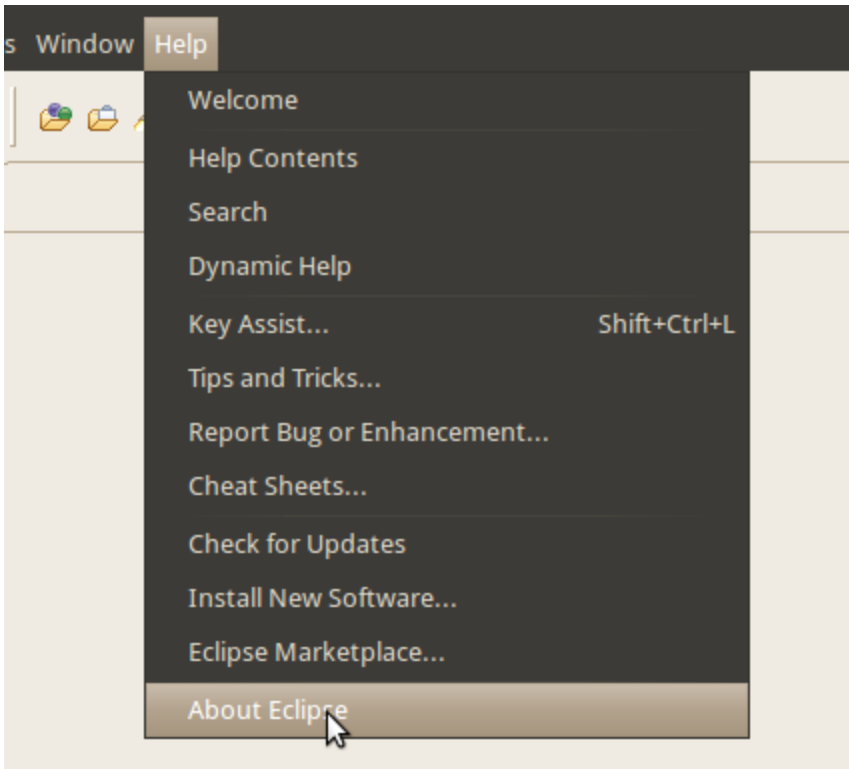
# Manual Installation

## Using updatesite.zip

1. Download the package **geronimo-eclipse-plugin-3.0_M1-updatesite.zip** from http://apache.org/dist/geronimo/eclipse/3.0-M1/.
2. Once done, extract the package into a directory on your machine.
3. Follow the instructions in #Installing GEP using Eclipse update manager section. When adding a an update site in step 5, choose **Local**, and navigate to the directory where you unzipped the updatesite.zip package in the previous step.

## Using deployable.zip

1. Download the package **geronimo-eclipse-plugin-3.0_M1-deployable.zip** from http://apache.org/dist/geronimo/eclipse/3.0-M1/.
2. Once done, extract the package into your eclipse installation directory. You may get a prompt regarding file replacement. Select All.
3. Restart eclipse with the -clean option.
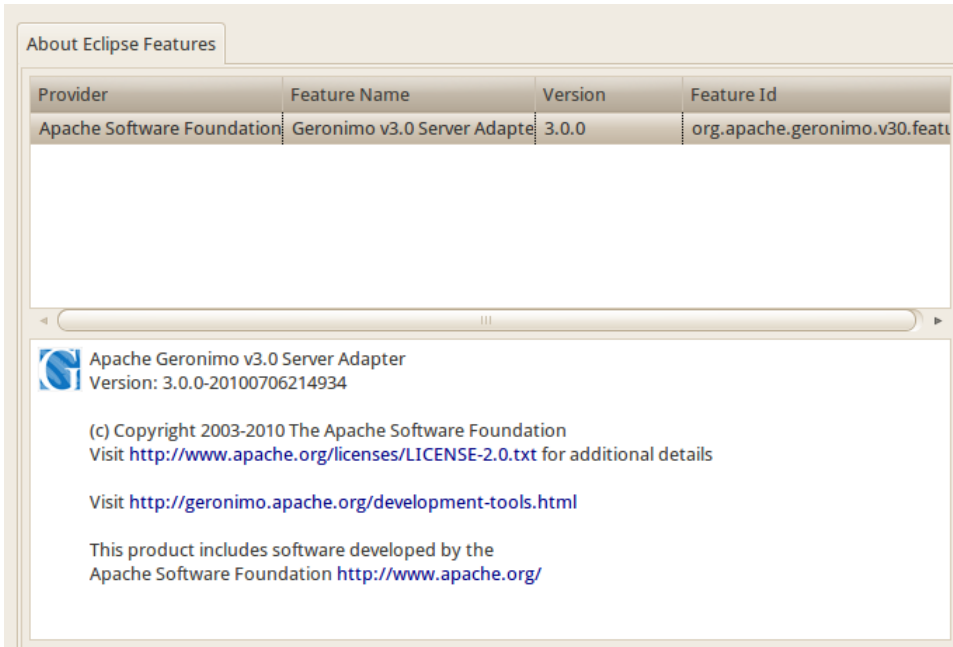
# Verify GEP installation

1. Select Help->About Eclipse Platform.

2. You can see a **G** icon in the **About Eclipse Platform**. This confirms the successful installation of GEP. Click the icon.

**3.** On the next screen you can view details- License, Plug-in-Details and set the Columns of the table being displayed.



# Uninstalling GEP UninstallGEP

GEP may be uninstalled in a similar manner in which it was installed.

Uninstall does not work well on Helios, especially for GEP. It will uninstall GEP, but then you can't reinstall it, as it doesn't really get uninstalled. The only way to reinstall GEP in Helios is to reinstall Helios itself! See Eclipse Bugzilla 244935 for details, and hopefully a fix soon!