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 2.2).

For information about installing previous releases, see this page.

Note that with v2.2, the v2.2 Geronimo server adapter feature provides server adapters for the v1.1.x, v2.0.x, v2.1.x and v2.2 Geronino 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), Galileo (Eclipse 3.5), Ganymede (Eclipse 3.4))
 - Eclipse Helios Download
 - Eclipse Galileo Download
 - Eclipse Ganymede Download
- Apache Geronimo 2.2 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 2.2 server from Apache Geronimo downloads 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-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomcat6-javaee5-2.2 (for e.g. C:\g). The archive will be extracted to a directory geronimo-tomca

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.

🚼 Markers 🔲 Prope	rties 👭 Servers 🕱 🛛 🙀	Data Source Expl	Lorer 🔚 Snippets
	Ne <u>w</u>	🚏 Server	
	Properties Alt+Enter		,

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

💽 New Server					
Define a New Serv Choose the type of	ver Server to crea	te			
Server's <u>h</u> ost name	: localhost		Downlo	ad addition	al server adapters
Select the <u>s</u> erver type filter text	type:				
 Apache Basic Basic					
Server na <u>m</u> e:					
?	< Back	Next	>	<u>F</u> inish	Cancel

4. Select Geronimo V2.2 Server Adapter and select Next.

5. Accept the license agreement and select Finish.

Install New Extension		_ 🗆 X	linstall New Server Adapter
Install New Extension Download and install support for a new serve	er		Feature License This license must be accepted before
The following server adapters have been foun	d on remote sites. Select a server adapter to download	l and install.	
Geronimo v1.0 Server Adapt Apache Software Foundation	er	2.0.0	Apache License Version 2.0, January 2004 http://www.apache.org/licenses/
Apache Software Foundation	hici	2.0.0	TERMS AND CONDITIONS FOR USE, F
Geronimo v2.0 Server Adapt Apache Software Foundation	er	2.1.2	1. Definitions.
Geronimo v2.1 Server Adapt Apache Software Foundation	er	2.2.0	"License" shall mean the terms and co and distribution as defined by Section
Geronimo v2.2 Server Adapt Apache Software Foundation	er	2.2.0	"Licensor" shall mean the copyright ov the copyright owner that is granting t
ChaosEich Invo EE E Invo EE	٤ 		"Legal Entity" shall mean the union of other entities that control, are contro control with that entity. For the purpe "control" means (i) the power, direct
?	< <u>Back</u> <u>Next</u> > <u>Finish</u>	Cancel	direction or management of such enti
			I <u>a</u> ccept the terms of the license ○ I <u>d</u> o not accept the terms of the
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6. Next screen will ask for confirmation. Select OK. Once done Geronimo V2.2 server adapter will be downloaded and installed.

🗢 Installing Geronimo v2.1 Server Adapter 📃 🗖 🔀
Downloading:
plugins/org.apache.geronimo.runtime.common_2.1.2.jar (122K of 1157K bytes)
Always run in background
Run in <u>B</u> ackground Cancel <u>D</u> etails >>

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.

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->Software Updates.. from the menu.



4. Copy and paste the following site to Add Site window and Select OK. html http://apache.org/dist/geronimo/eclipse/updates/

5. Expand http://apache.org/dist/geronimo/eclipse/updates/. Select Geronimo v2.2 Server Adapter v2.2 and click Next.

 Wait until Eclipse finish resovling the requireme nts and dependenc ies. Review the details and click F inish.

💭 Install		_ 🗆 X
Available Software		
Check the items that you wish to install.		
Work with: update site: http://people.apache.org/di	st/geronimo/eclipse/unstable/updates/ - http://pe	eople.apache.org/
	Find more software by working with the	'Available Software Sites' preferences.
type filter text		
Name	Version	
🔲 🏶 Geronimo 2.1.1 (Tomcat) Runtime	2.1.1	
🗉 🗹 🚥 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	
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∣ ⊤Details		
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Show only the latest versions of available software	Hide items that are already in	istalled
Group items by category	What is <u>already installed</u> ?	
Contact all update sites during install to find require	ed software	
3	< <u>B</u> ack <u>N</u> ext >	Einish Cancel

license and accept the agreement.

💽 Install		
Review Licenses Licenses must be reviewed before the so the install.	oftware can be installed. Th	is includes licenses for software required to complete
Items with licenses:		License text:
Name Geronimo v2.1 Server Adapter Geronimo v2.2 Server Adapter Mylyn Bridge: Eclipse IDE Mylyn Bridge: Java Development Mylyn Bridge: Java Development Mylyn Taske: Sen Support Mylyn Connector: Bugrilla Mylyn Task List (Required) Mylyn Task-Focused Interface (Rec Mylyn WikiText	Version 2.2.0 2.2.0 3.2.1.v20090722-0200-e3x 3.2.1.v20090722-0200-e3x 3.2.1.v20090722-0200-e3x 3.2.1.v20090722-0200-e3x 3.2.1.v20090722-0200-e3x 1.1.1.v20090722-0200-e3x	Apache License Version 2.0, January 2004 http://www.spache.org/licenses/ TERMS AND CONDITIONS FOR USE, REFRODUCTION, 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
		I do not accept the terms of the license agreements
?		< Back Mext > Finish Cancel

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



7. Review the

💽 Install	X
The user operation is waiting for background work to complete.	
)
Fetching org.eclipse.mylyn.monitor.corere_3.2.1.v20090722-0200-e3x.jar.pack.gz	
Always run in background	
No Install	1
Downloading org. eclipse. mylyn. monitor. core	
🛞 Install (Finished) 🗱	
Run in Background Cancel << Details	

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

🗑 Selection Needed 🛛 🔀
Do you trust these certificates?
Mattp://geronimo.apache.org; Geronimo; Apache
Select All Deselect All
http://geronimo.apache.org; Geronimo; Apache http://geronimo.apache.org; Geronimo; Apache
Details
OK Cancel

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



Manual Installation

Using updatesite.zip

- 1. Download the package geronimo-eclipse-plugin-2.2-updatesite.zip from http://apache.org/dist/geronimo/eclipse/2.2.0/.
- 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-2.2-deployable.zip from http://apache.org/dist/geronimo/eclipse/2.2.0/.
- 2. Once done, extract the package into your eclipse installation directory. For Ganymede and Galileo, extract to eclipse/dropins 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 A bout Eclipse Platform. This confirms the successful installation of GEP. Click the icon.

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



Uninstalling GEP UninstallGEP

You can cleanly uninstalled GEP only if you have installed it cleanly. To do so, install your GEP by using Eclipse update manager. If your GEP was installe d within WTP, reinstall it with Eclipse update manager to update some meta information so that a clean uninstallation can be preformed.

You can uninstall GEP by selecting either of the followings:

- Help->Install New Software-> What is already installed?
- Help->About Eclipse->Installation Details

Uninstall does not work well on Ganymede, 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 Ganymede is to reinstall Ganymede itself! See Eclipse Bugzilla 244935 for details, and hopefully a fix soon!