**Installations**

System Requirements:

OS: Windows 7 Professional

Processor: Intel core i5

System type: 64 bit operating system

System Resolution: 1366 X 768

* NetBeans:

<https://www.google.com/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#q=netbeans%20download>

Steps to install

* In the upper right area of the page, select the language and platform from the drop-down list. You can also choose to download and use the platform-independent zip file.
* Click the Download button for the download option that you want to install.
* Save the installer file to your system
* For Windows, the installer executable file has the .exe extension. Double-click the installer file to run it.
* If you downloaded the All or Java EE bundle, you can customize your installation. Perform the following steps at the Welcome page of the installation wizard:
  + Click Customize.
  + In the Customize Installation dialog box, make your selections.
  + Click OK.
* At the Welcome page of the installation wizard, click Next.
* At the License agreement page, review the license agreement, click the acceptance check box, and click Next.
* At the NetBeans IDE installation page, do the following:
  + Accept the default installation directory for the NetBeans IDE or specify another directory.
  + Note: The installation directory must be empty and the user profile you are using to run the installer must have read/write permissions for this directory.
  + (Applicable only to All or Java EE bundle.) Accept the default JDK installation to use with the NetBeans IDE or select a different installation from the drop-down list. If the installation wizard did not find a compatible JDK installation to use with the NetBeans IDE, your JDK is not installed in the default location. In this case, specify the path to an installed JDK and click Next, or cancel the current installation. After installing the required JDK version you can restart the installation.
  + Note: If the JDK version is older than the recommended JDK 7 Update 10, download and install the latest JDK update from Java SE Downloads page and restart the NetBeans IDE installer.
* If the GlassFish Server Open Source Edition 4.1.1 installation page opens, accept the default installation directory or specify another installation location.
* If you are installing Apache Tomcat, on its installation page, accept the default installation directory or specify another installation location. Click Next.
* At the Summary page, do the following:
  + Verify that the list of components to be installed is correct.
  + Select the Check for Updates check box if you want to check the Update Center for possible updates.
  + Verify that you have adequate space on your system for the installation.
* Click Install to begin the installation.
* At the Setup Complete page, provide anonymous usage data if desired, and click Finish
* Apache Tomcat:

<https://www.google.com/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#q=apache%20tomcat>

Steps to install:

* + Installing Tomcat on Windows can be done easily using the Windows installer. Its interface and functionality is similar to other wizard based installers, with only a few items of interest.
* **Installation as a service**: Tomcat will be installed as a Windows service no matter what setting is selected. Using the checkbox on the component page sets the service as "auto" startup, so that Tomcat is automatically started when Windows starts. For optimal security, the service should be run as a separate user, with reduced permissions (see the Windows Services administration tool and its documentation).
* **Java location**: The installer will provide a default JRE to use to run the service. The installer uses the registry to determine the base path of a Java 6 or later JRE, including the JRE installed as part of the full JDK. When running on a 64-bit operating system, the installer will first look for a 64-bit JRE and only look for a 32-bit JRE if a 64-bit JRE is not found. It is not mandatory to use the default JRE detected by the installer. Any installed Java 6 or later JRE (32-bit or 64-bit) may be used.
* **Tray icon**: When Tomcat is run as a service, there will not be any tray icon present when Tomcat is running. Note that when choosing to run Tomcat at the end of installation, the tray icon will be used even if Tomcat was installed as a service.
* Refer to the [Windows Service HOW-TO](https://tomcat.apache.org/tomcat-7.0-doc/windows-service-howto.html) for information on how to manage Tomcat as a Windows service.

The installer will create shortcuts allowing starting and configuring Tomcat. It is important to note that the Tomcat administration web application can only be used when Tomcat is running.