

NetBeans IDE 8.2 Installation Instructions

July 9, 2018

PART 1: Download and install Java SE Development Kit (JDK)

Step 1: Go to the download page at <http://www.oracle.com/technetwork/java/javase/downloads>

The screenshot shows the Oracle Java SE Downloads page. The Oracle logo is in the top left. A navigation menu is in the top center. A search bar is in the top right. Below the navigation bar, the breadcrumb trail reads "Oracle Technology Network / Java / Java SE / Downloads". On the left, there is a sidebar with links to Java SE, Java EE, Java ME, Java SE Subscription, Java Embedded, Java Card, Java TV, Community, and Java Magazine. The main content area has tabs for Overview, Downloads, Documentation, Community, Technologies, and Training. The "Downloads" tab is selected. The page title is "Java SE Downloads". There are two large download buttons: "Java Platform (JDK) 10" and "NetBeans with JDK 8". Below these, there is a section for "Java Platform, Standard Edition". This section contains a link to "Java SE 10.0.1" with a note that it is the latest feature release. Below this, there is a list of links: "Installation Instructions", "Release Notes", "Oracle License", "Java SE Licensing Information User Manual" (which includes "Third Party Licenses"), "Certified System Configurations", and "Readme". To the right of this list are three download buttons: "JDK DOWNLOAD", "Server JRE DOWNLOAD", and "JRE DOWNLOAD". Below this, there is a section titled "Which Java package do I need?" with three bullet points: "Software Developers: JDK (Java SE Development Kit). For Java Developers. Includes a complete JRE plus tools for developing, debugging, and monitoring Java applications.", "Administrators running applications on a server: Server JRE (Server Java Runtime Environment) For deploying Java applications on servers. Includes tools for JVM monitoring and tools commonly required for server applications, but does not include browser integration (the Java plug-in), auto-update, nor an installer. Learn more", and "End user running Java on a desktop: JRE: (Java Runtime Environment). Covers most end-users needs. Contains everything required to run Java applications on your system." Below this, there is a link to "Java SE 8u171/ 8u172" with a note that it includes important bug fixes and is recommended for all Java SE 8 users. An arrow points from the text "Download this Java 8 version" to this link. Another arrow points from the text "NetBeans 8.2 is NOT compatible with Java 9 or 10" to the "Java SE 10.0.1" link.

NetBeans 8.2 is NOT compatible with Java 9 or 10

Download this Java 8 version

Step 2: Click the **Java SE 8u171/ 8u172** link pointed to with the arrow above. 8u172 means version 8 update 172.

Step 3: On the **Java SE Development Kit 8 Downloads** page, select the section for **8u172**, click the **Accept License Agreement**.

Java SE Development Kit 8u172		
You must accept the Oracle Binary Code License Agreement for Java SE to download this software.		
<input checked="" type="radio"/> Accept License Agreement <input type="radio"/> Decline License Agreement		
Product / File Description	File Size	Download
Linux ARM 32 Hard Float ABI	77.99 MB	jdk-8u172-linux-arm32-vfp-hflt.tar.gz
Linux ARM 64 Hard Float ABI	74.9 MB	jdk-8u172-linux-arm64-vfp-hflt.tar.gz
Linux x86	170.07 MB	jdk-8u172-linux-i586.rpm
Linux x86	184.91 MB	jdk-8u172-linux-i586.tar.gz
Linux x64	167.15 MB	jdk-8u172-linux-x64.rpm
Linux x64	182.08 MB	jdk-8u172-linux-x64.tar.gz
Mac OS X x64	247.87 MB	jdk-8u172-macosx-x64.dmg
Solaris SPARC 64-bit (SVR4 package)	140.05 MB	jdk-8u172-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	99.35 MB	jdk-8u172-solaris-sparcv9.tar.gz
Solaris x64 (SVR4 package)	140.63 MB	jdk-8u172-solaris-x64.tar.Z
Solaris x64	97.06 MB	jdk-8u172-solaris-x64.tar.gz
Windows x86	199.11 MB	jdk-8u172-windows-i586.exe
Windows x64	207.3 MB	jdk-8u172-windows-x64.exe

Step 4: Click the download filename for your operating system to download it.
e.g., **jdk-8u172-macosx-x64.dmg** for Mac OS X

Step 5: Double-click the downloaded file to start the installation.
e.g., double click **jdk-8u172-macosx-x64.dmg**

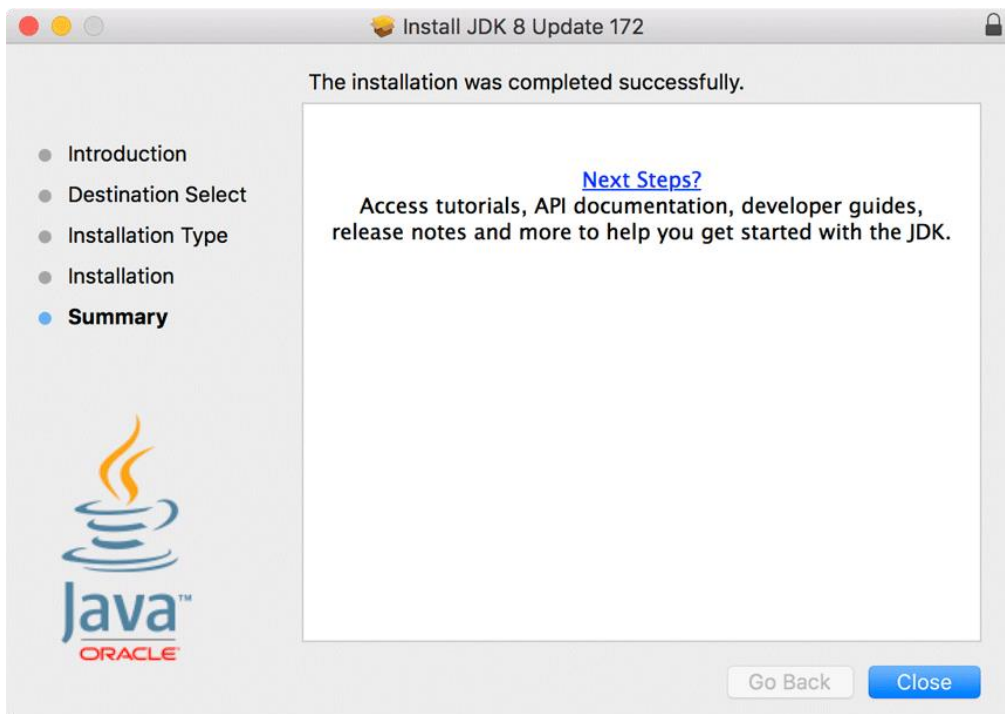
Step 6: Double click the package named **JDK 8 Update 172.pkg** to start the installation.



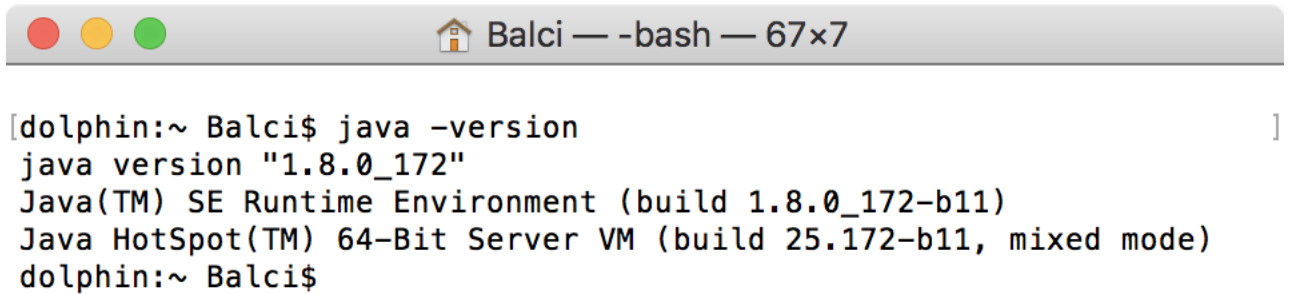
Step 7: The installation wizard guides you through the installation. Click Continue and follow the instructions.



Step 8: You should see the “The installation was completed successfully” message at the end of the installation. Click Close to finish.



Step 9: Make sure that the installation is successful by checking the Java version installed by entering `java -version` on the Terminal app on Mac as shown below.

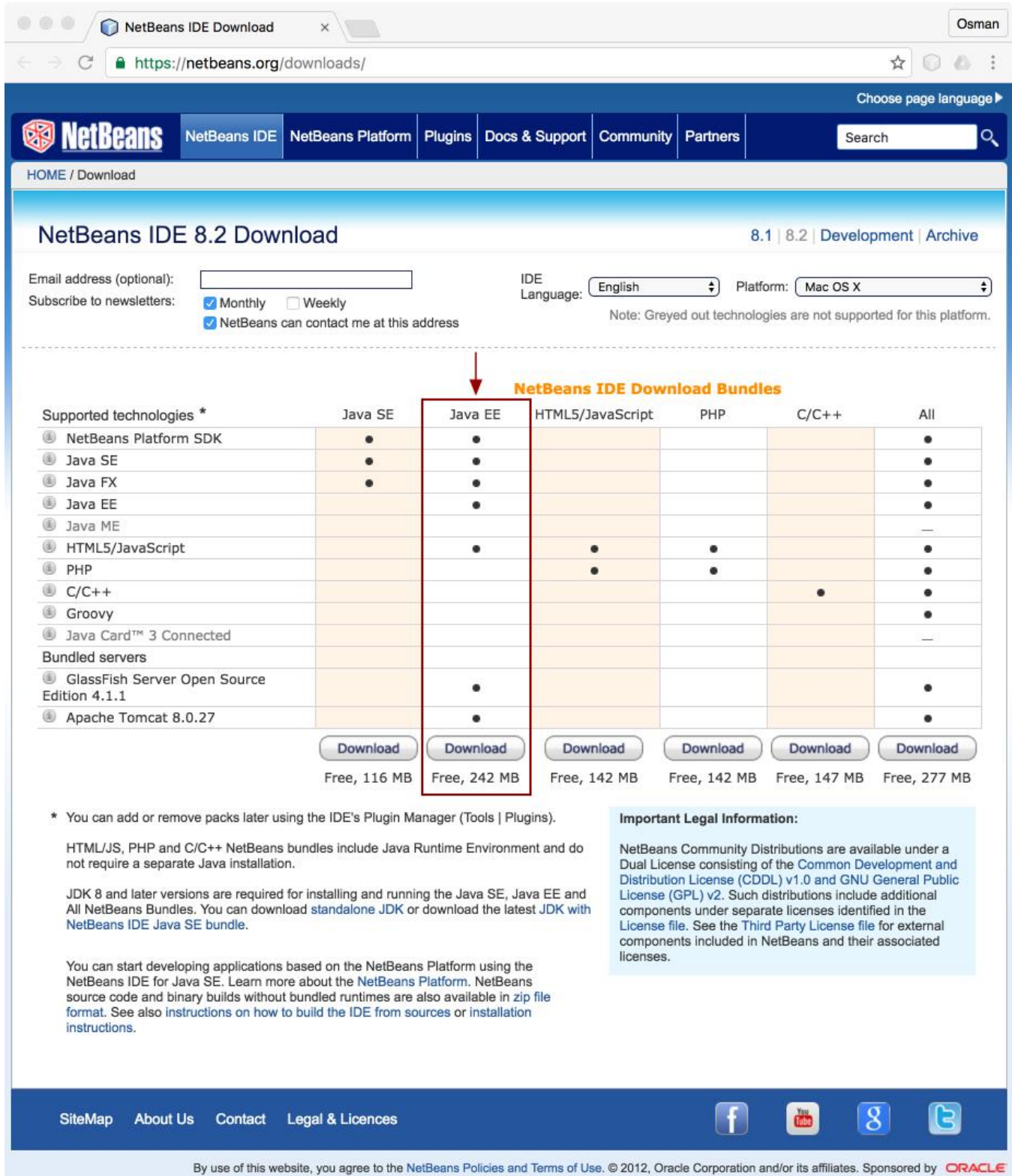
A screenshot of a macOS Terminal window. The title bar at the top shows three colored window control buttons (red, yellow, green) on the left, a home icon, and the text "Balci — -bash — 67x7". The terminal content shows a user prompt "[dolphin:~ Balci\$]" followed by the command "java -version". The output consists of three lines: "java version \"1.8.0_172\"", "Java(TM) SE Runtime Environment (build 1.8.0_172-b11)", and "Java HotSpot(TM) 64-Bit Server VM (build 25.172-b11, mixed mode)". The prompt returns to "[dolphin:~ Balci\$]".

```
[dolphin:~ Balci$ java -version  
java version "1.8.0_172"  
Java(TM) SE Runtime Environment (build 1.8.0_172-b11)  
Java HotSpot(TM) 64-Bit Server VM (build 25.172-b11, mixed mode)  
dolphin:~ Balci$
```

PART 2: Download and Install NetBeans IDE 8.2

NetBeans IDE 8.2 Installation Instructions

Step 1: Go to the download page at <https://netbeans.org/downloads/>



NetBeans IDE 8.2 Download

8.1 | 8.2 | Development | Archive

Email address (optional):

Subscribe to newsletters: ☒ Monthly ☐ Weekly

☒ NetBeans can contact me at this address

IDE Language: Platform:

Note: Greyed out technologies are not supported for this platform.

NetBeans IDE Download Bundles

Supported technologies *	Java SE	Java EE	HTML5/JavaScript	PHP	C/C++	All
NetBeans Platform SDK	•	•				•
Java SE	•	•				•
Java FX	•	•				•
Java EE		•				•
Java ME						—
HTML5/JavaScript		•	•	•		•
PHP			•	•		•
C/C++					•	•
Groovy						•
Java Card™ 3 Connected						—
Bundled servers						
GlassFish Server Open Source Edition 4.1.1		•				•
Apache Tomcat 8.0.27		•				•

Download buttons and file sizes:

- Java SE: Free, 116 MB
- Java EE: Free, 242 MB
- HTML5/JavaScript: Free, 142 MB
- PHP: Free, 142 MB
- C/C++: Free, 147 MB
- All: Free, 277 MB

* You can add or remove packs later using the IDE's Plugin Manager (Tools | Plugins).

HTML/JS, PHP and C/C++ NetBeans bundles include Java Runtime Environment and do not require a separate Java installation.

JDK 8 and later versions are required for installing and running the Java SE, Java EE and All NetBeans Bundles. You can download [standalone JDK](#) or download the latest JDK with [NetBeans IDE Java SE bundle](#).

You can start developing applications based on the NetBeans Platform using the NetBeans IDE for Java SE. Learn more about the [NetBeans Platform](#). NetBeans source code and binary builds without bundled runtimes are also available in [zip file format](#). See also [instructions on how to build the IDE from sources or installation instructions](#).

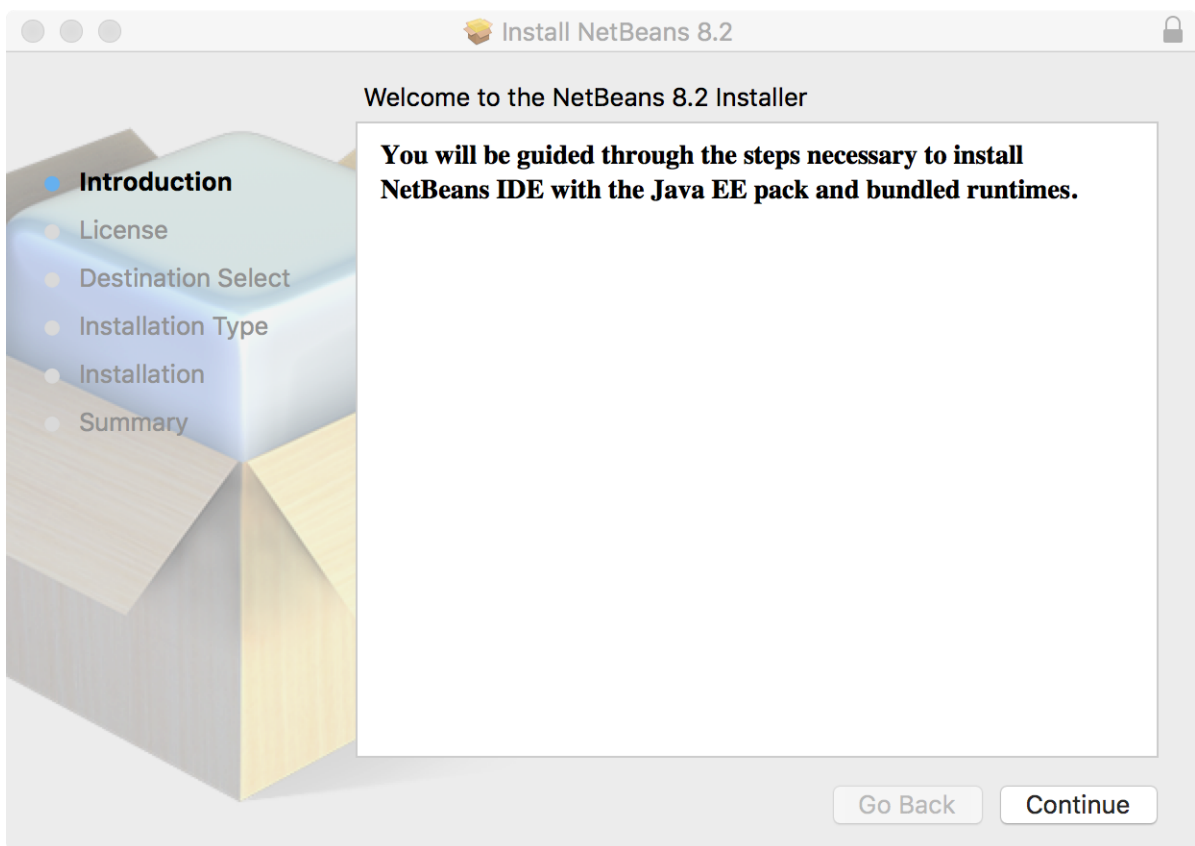
Important Legal Information:

NetBeans Community Distributions are available under a Dual License consisting of the Common Development and Distribution License (CDDL) v1.0 and GNU General Public License (GPL) v2. Such distributions include additional components under separate licenses identified in the License file. See the [Third Party License file](#) for external components included in NetBeans and their associated licenses.

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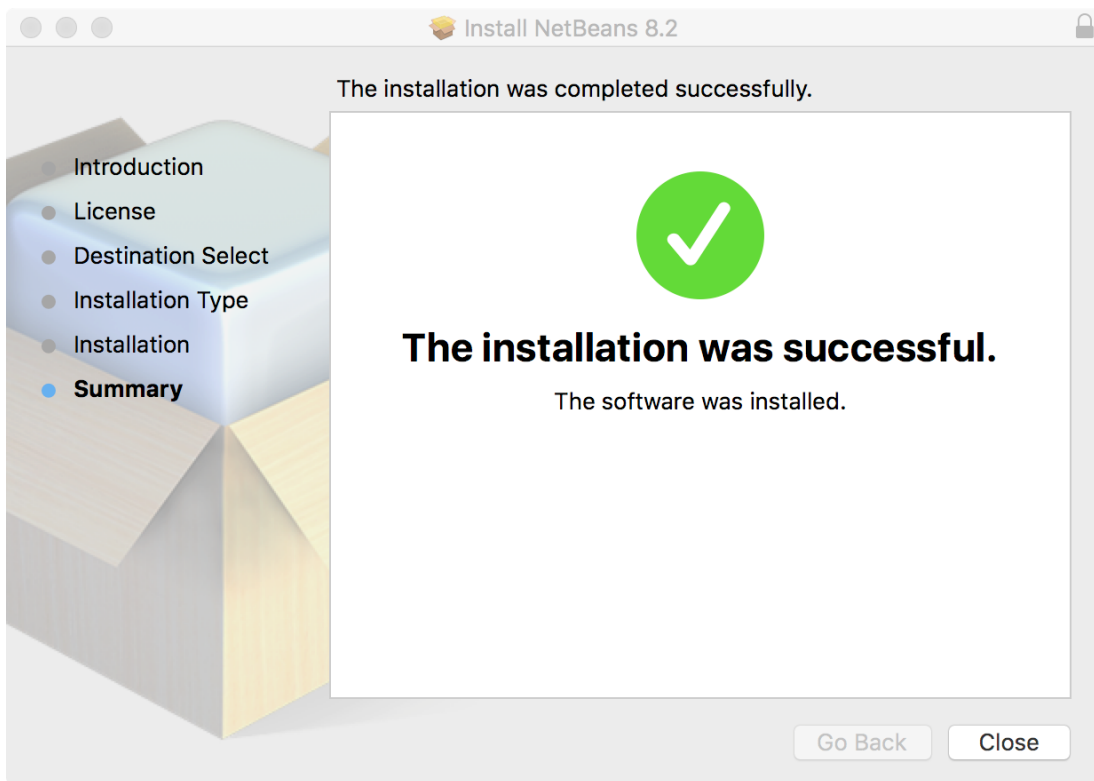
By use of this website, you agree to the [NetBeans Policies and Terms of Use](#). © 2012, Oracle Corporation and/or its affiliates. Sponsored by **ORACLE**

- Step 2: Click **Download** under the **Java EE** bundle as shown above.
- Step 3: The installation file named `netbeans-8.2-javaee-macosx.dmg` is downloaded.
- Step 4: Double-click the downloaded `netbeans-8.2-javaee-macosx.dmg` installer file.
- Step 5: On the panel that opens, double-click the `NetBeans 8.2.pkg` package icon.
- Step 6: Click Continue when the *"This package will run a program to determine if the software can be installed."* dialog box is displayed.
- Step 7: On the *Welcome* dialog box, click Continue.



- Step 8: Review the license agreement and click Continue.
- Step 9: Click *Agree* in the pop-up window to accept the software license agreement.
- Step 10: On the Standard Install dialog box, click *Install* to install on the default location.
- Step 11: Enter the administrator's name and password for your laptop/desktop and click OK to begin the installation.

Step 12: The following is displayed for a successful installation.

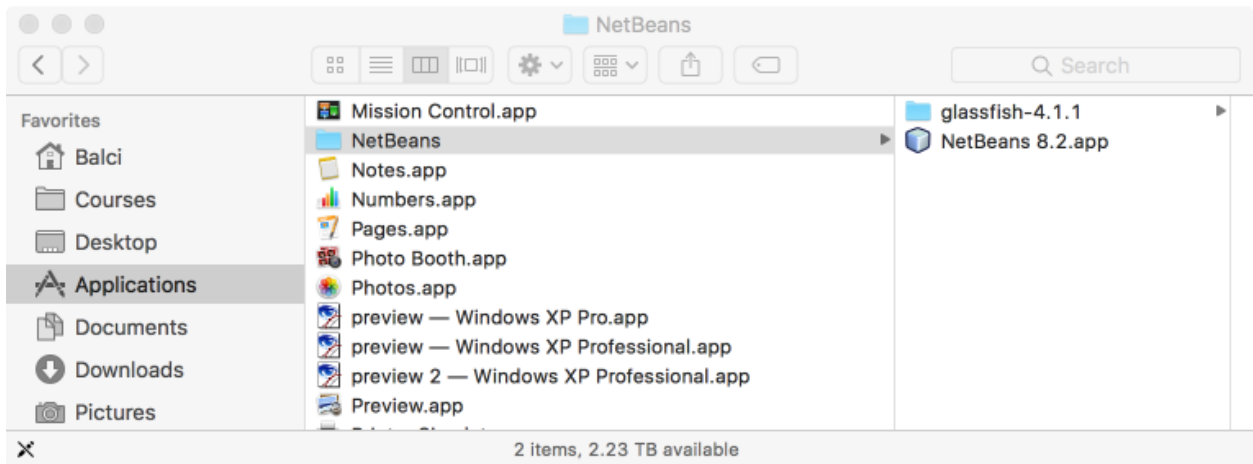


Click Close to finish.

PART 3: Download and Install GlassFish Application Server version 4.1

GlassFish 4.1 Installation Instructions

Step 1: Locate glassfish-4.1.1 within the NetBeans installation directory as shown below.

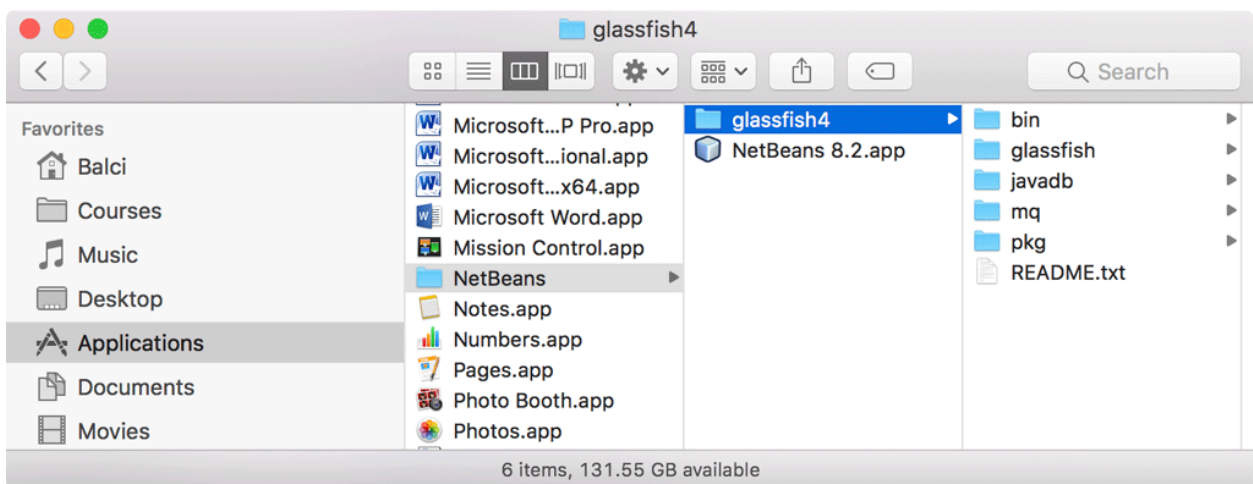


Step 2: Move the glassfish-4.1.1 folder to the Trash bin and confirm its deletion.

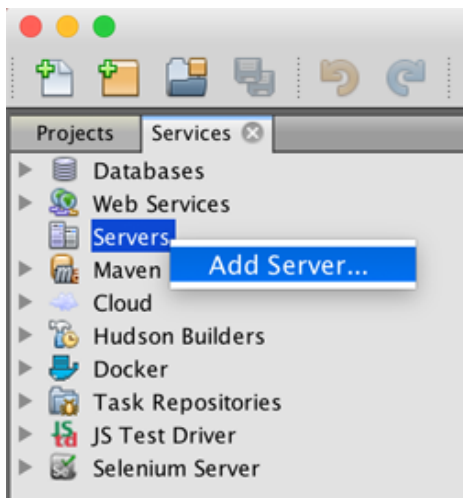
Step 3: Download **GlassFish 4.1** from the course website at <https://manta.cs.vt.edu/cs3754/StudentsOnly/Resources/resources.html>

Step 4: Double click the downloaded glassfish-4.1.zip file to unzip it to the glassfish4 folder.

Step 5: Drag the glassfish4 folder and drop it into the NetBeans installation directory as shown below.

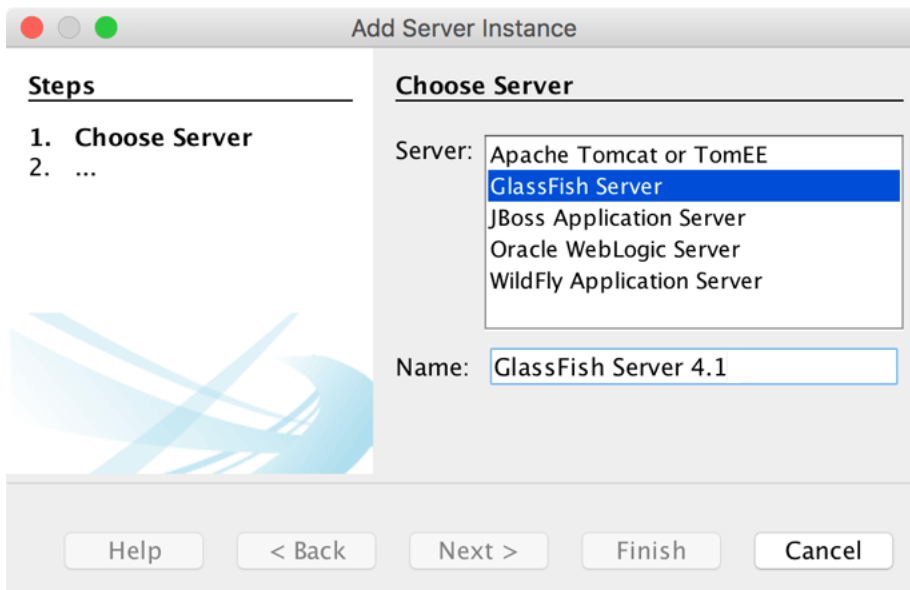


Step 6: Launch NetBeans IDE. If not shown, show Projects and Services tabs by selecting Projects and Services from the Window menu.

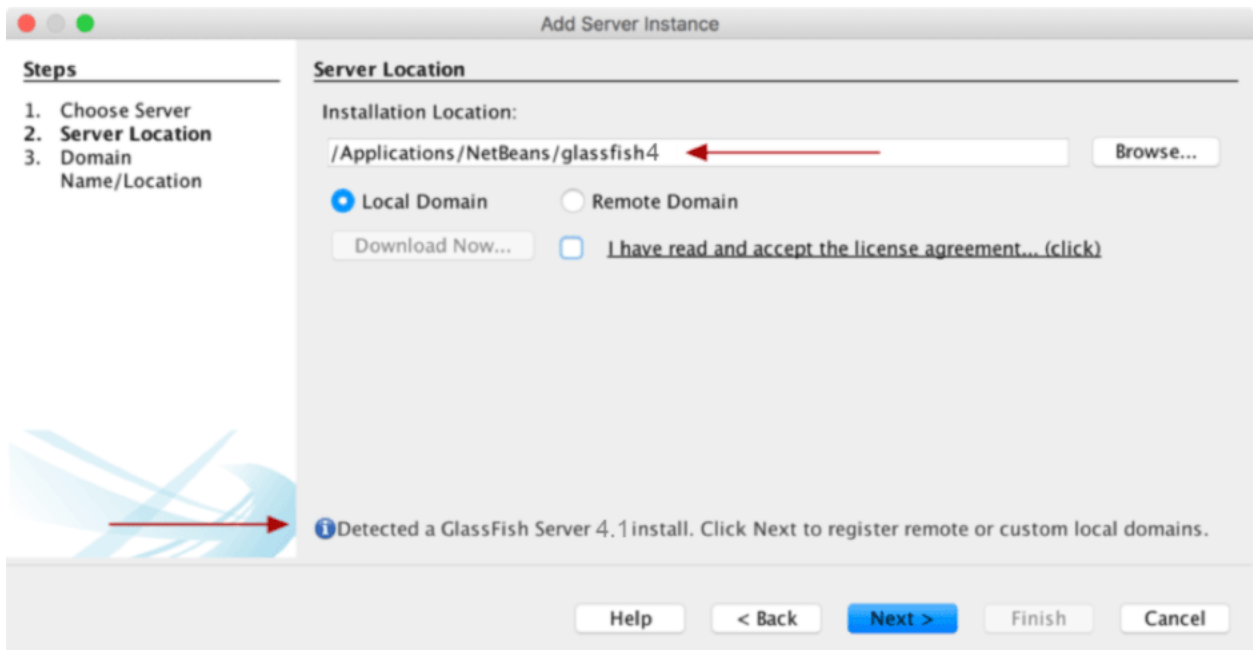


Right click Servers under the Services tab and select **Add Server...** as shown above.

Step 7: In the *Choose Server* dialog, select GlassFish Server and **add version number 4.1** to its name as shown below. Click Next.

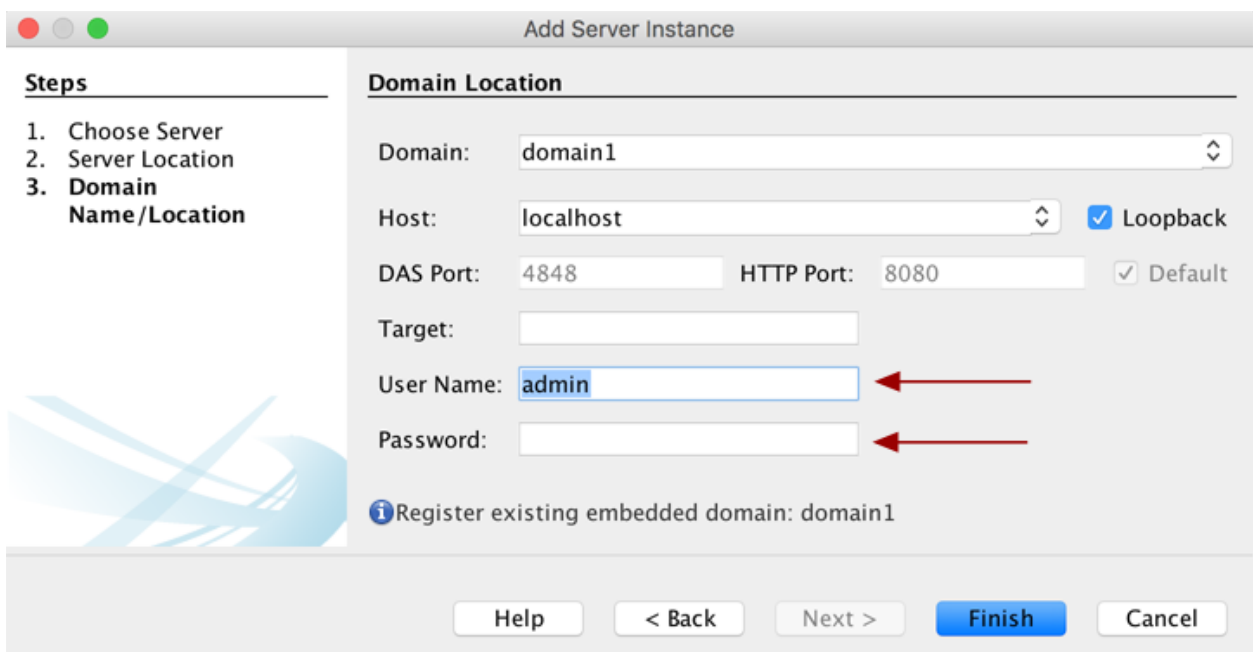


Step 8: In the *Server Location* dialog, click **Browse...** to browse to the location of the GlassFish application server as shown below.

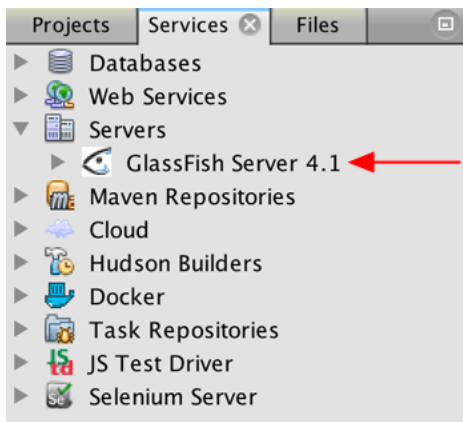


You must see the “Detected a GlassFish Server 4.1 install” message. Click Next.

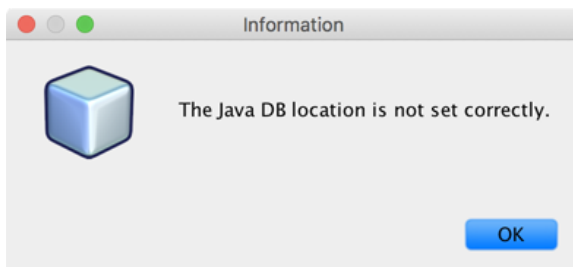
Step 9: In the *Domain Location* dialog, enter **admin** as the User Name and leave the Password field blank as shown below. Click Finish.



Step 10: You should now see GlassFish Server 4.1 listed under Servers.



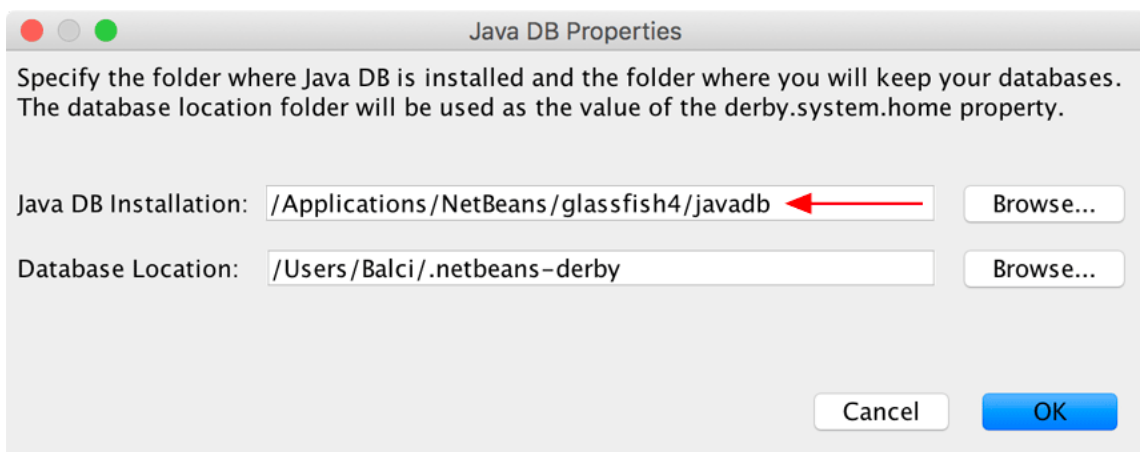
Step 11: Right click GlassFish Server 4.1 and select **Start**. You will get the following error message.



Step 12: We will now correct this problem. Expand Databases under the Services tab to see Java DB.

Step 13: Right click **Java DB** and select **Properties...**

Step 14: Click **Browse...** for Java DB Installation and locate the new location for javadb as shown below.



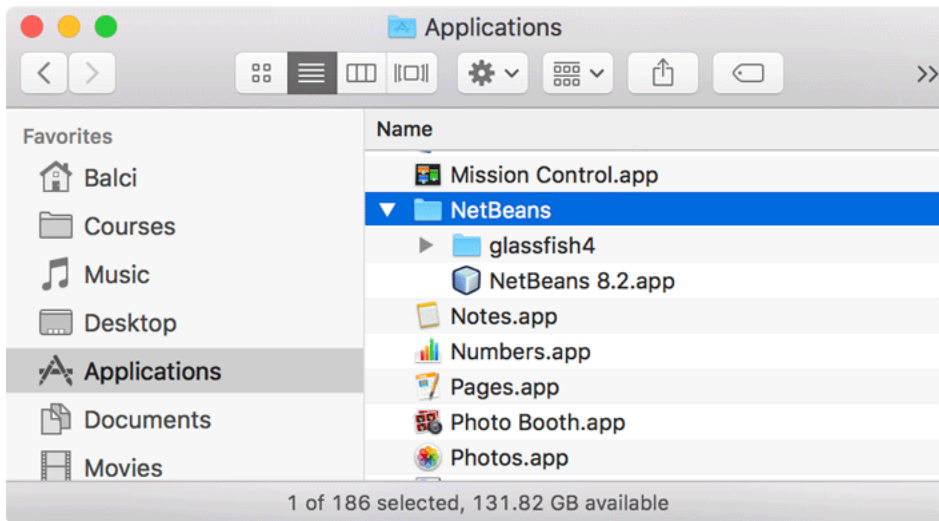
Click OK to finish.

Step 15: Now right click GlassFish Server 4.1 and select **Start**. It should start showing a green arrow on its icon.

NetBeans IDE 8.2 Uninstall Instructions for Mac OS

July 9, 2018

Step 1: Drag the **NetBeans** folder in the **Applications** directory to the Trash bin to delete it.



Step 2: Delete the **NetBeans** folder in the user's home directory's **Library / Caches** folder on Mac OS.

Balci / Library / Caches / NetBeans folder.

Step 3: Restart your computer.