

Software Download and Installation for Java Curriculum



Objectives

- List the software needed for the course
- Download, install and launch the Java Development Kit (JDK)
- Download and install Greenfoot
- Download and install Alice 3 (beta version)
- Download and install Eclipse
- Identify software support locations



Required Software

Prior to virtual training you must download and install the following software:

1. Java Development Kit (JDK)
2. Greenfoot
3. Alice 3 (beta version)
4. Eclipse

Note: Install the most recent version of the JDK first

Download & Install the JDK

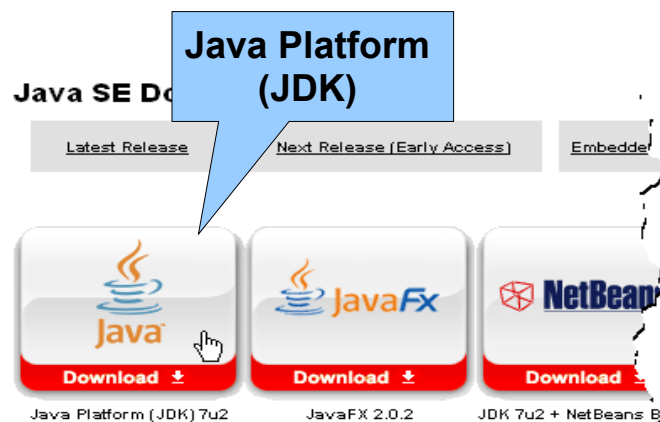


Download & Install JDK

Open your Internet Browser and type the following URL in the address bar:

<http://www.oracle.com/technetwork/java/javase/downloads/index.html>

1. From the Oracle Technology Network website, click Java Platform (JDK).





Download & Install JDK (cont.)

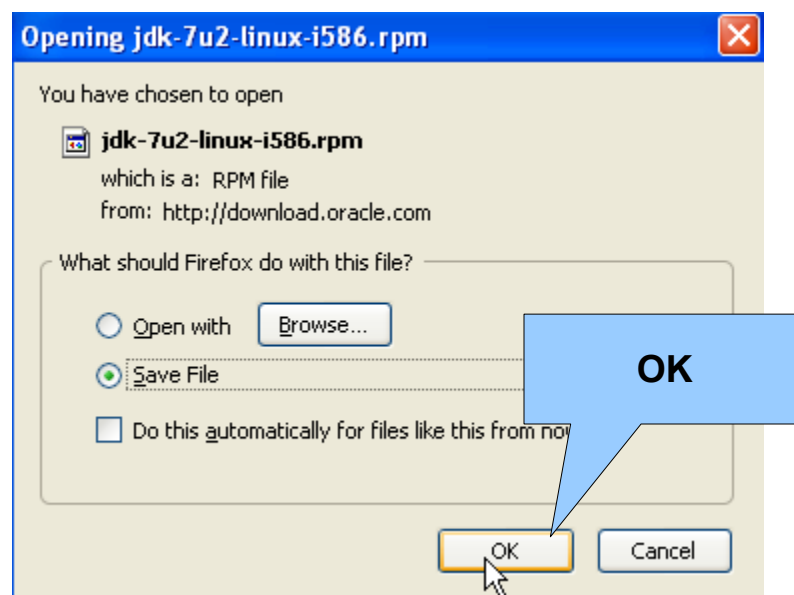
2. From the Java SE Development Kit 7 Downloads page, review the License Agreement.
3. Accept or Decline the License Agreement (if you decline, the software will not download).



Download & Install JDK (cont.)

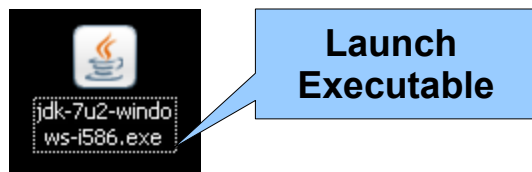
4. Locate and select the Java SE Development Kit for your computer operating system.

5. When prompted, save the file to a location you easily remember. Click OK.

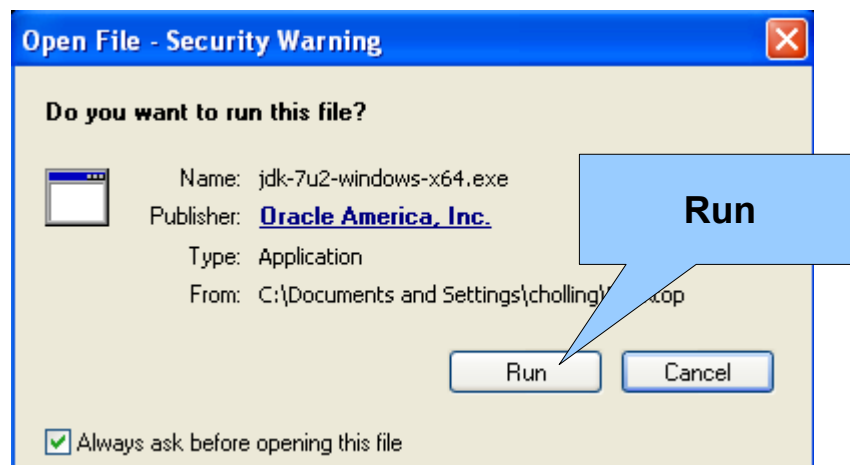


Download & Install JDK (cont.)

6. Locate the executable file and double click it to execute.



7. When prompted to run the executable file, click Run.

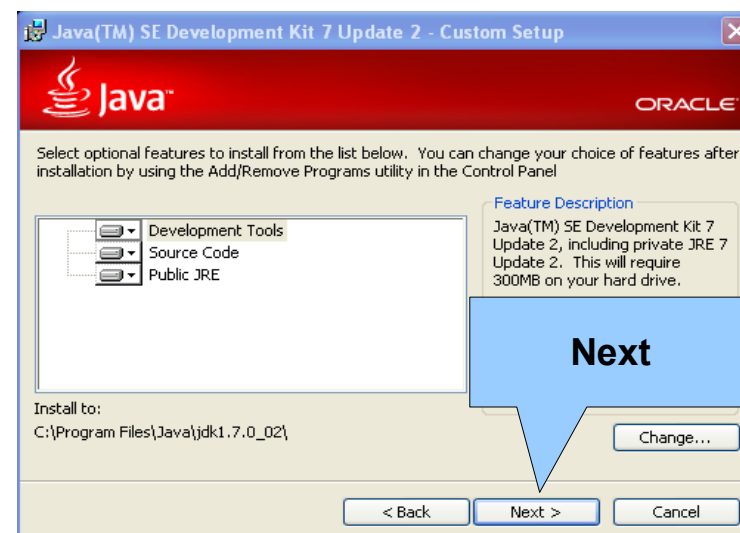


Download & Install JDK (cont.)

8. From the Installation Wizard dialog box, click Next>.



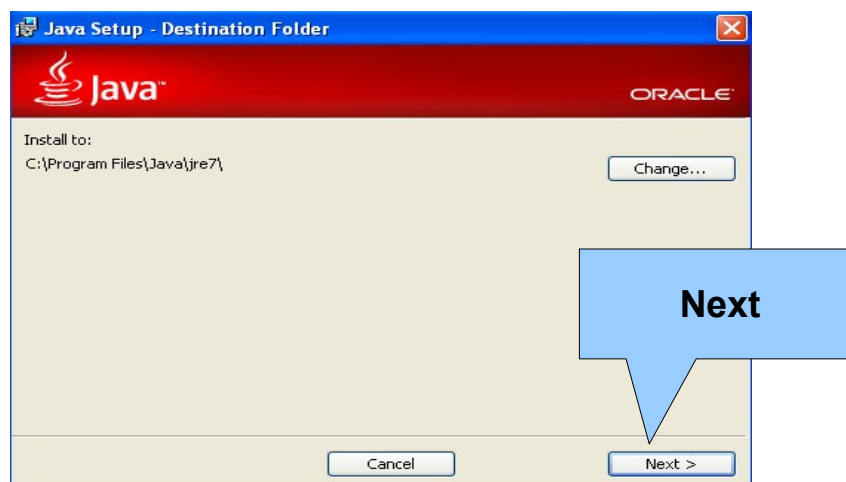
9. To accept the default settings, Click Next>.





Download & Install JDK (cont.)

10. When prompted for installation location, click Next>.



If prompted, close the Internet browser window.



Download & Install JDK (cont.)

11. Click Continue to acknowledge the successful installation.





Download & Install JDK (cont.)

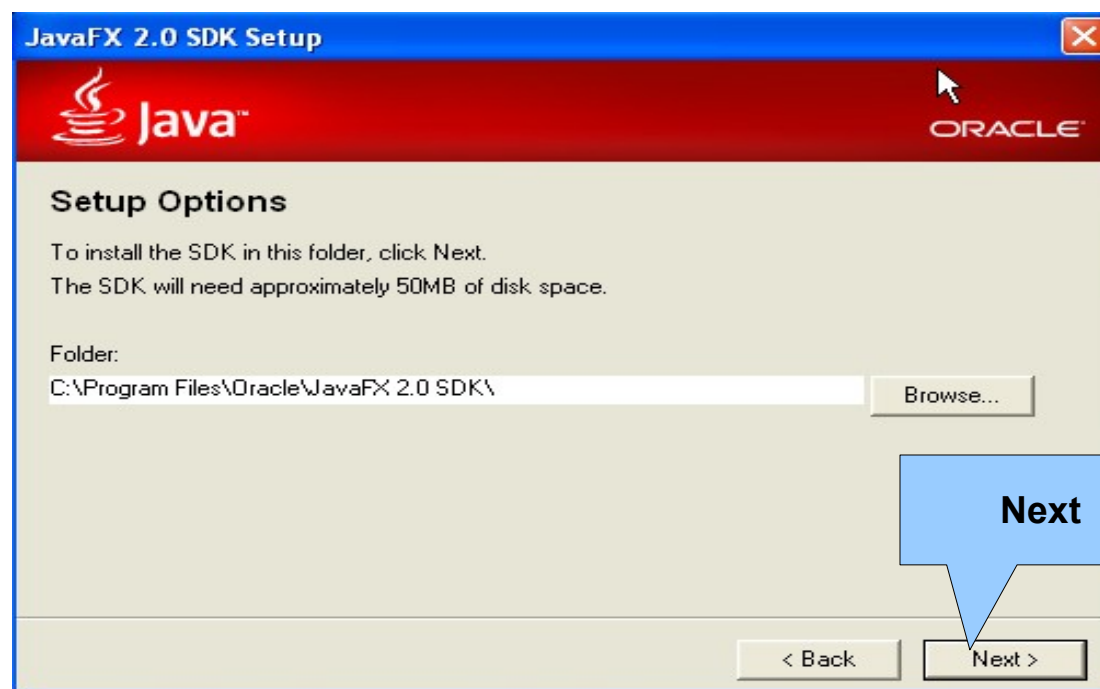
12. You will be prompted to set-up the Software Developer Kit (SDK). Click Next.





Download & Install JDK (cont.)

13. When prompted for the installation location, click Next>.





Download & Install JDK (cont.)

14. When the set-up is complete, click Close.



Download & Install Greenfoot

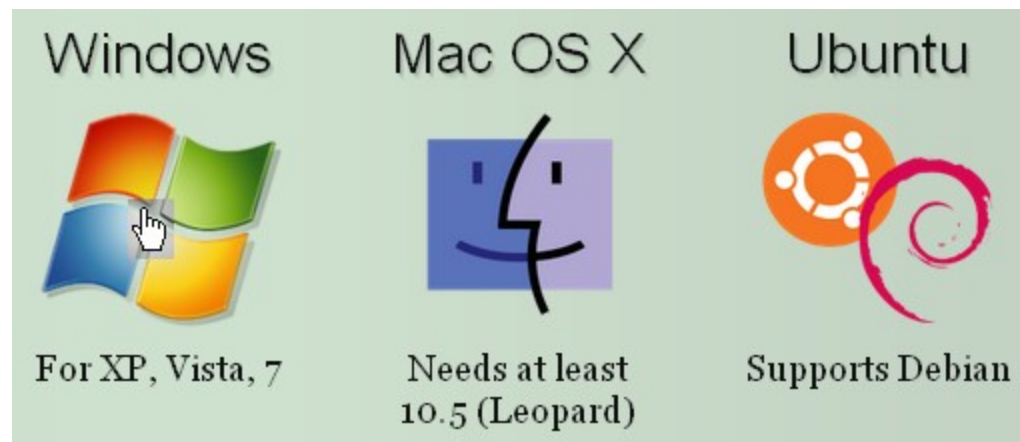


Download & Install Greenfoot

1. Open your Internet Browser and type the following URL in the address bar:

<http://www.greenfoot.org/download>.

2. Select your computer operating system.



The Greenfoot installer package will automatically download.

Download & Install Greenfoot (cont.)

3. From the Installer Package prompt, click Run.



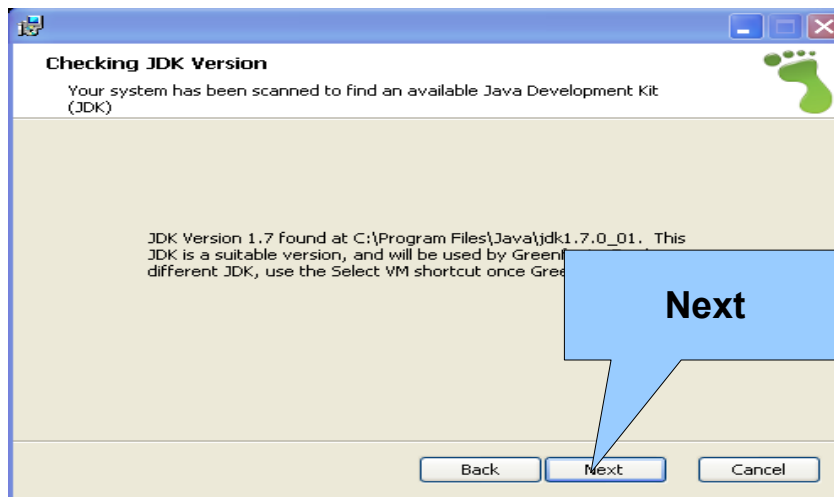
4. From the Setup Wizard, click Next.



Download & Install Greenfoot (cont.)

5. The Setup Wizard will identify the JDK version installed on your computer.

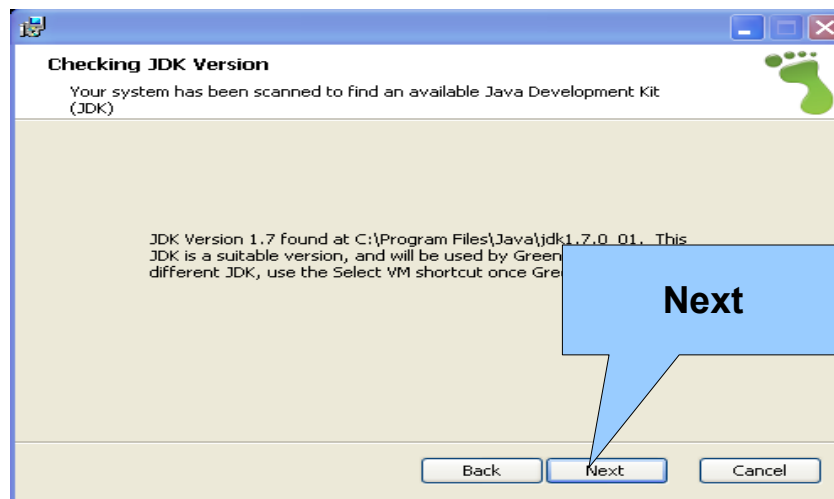
- If the Setup Wizard reports that a suitable JDK version is installed, click Next.
- If prompted to select a JDK version, select the most recent version, then click Next.





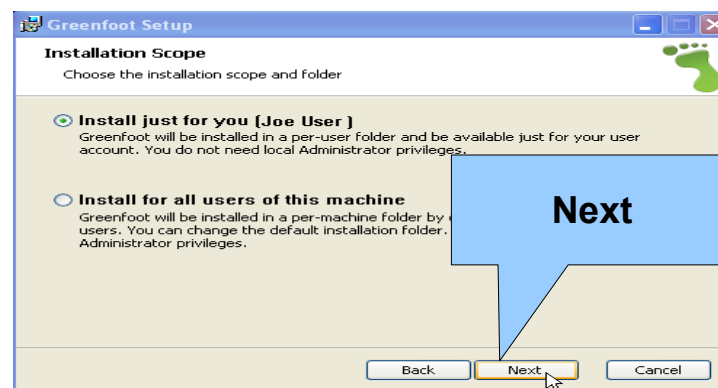
Download & Install Greenfoot (cont.)

If the JDK version you installed previously is not acceptable, you will need to install another version. Go back to the slides entitled “Download & Install the JDK”. Once you download and install a recent version of JDK, return to this slide.



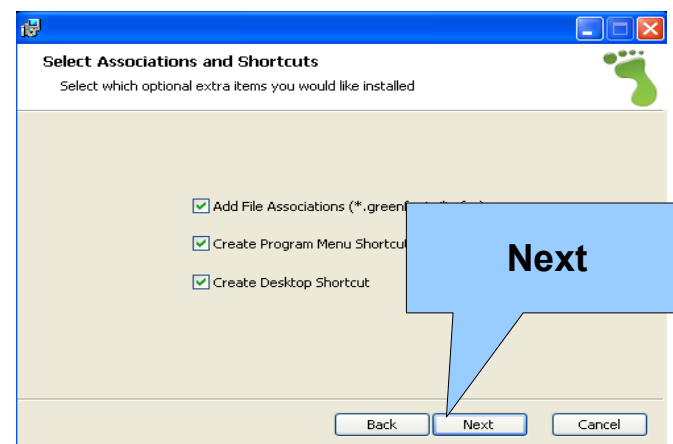
Download & Install Greenfoot (cont.)

6. Select the Installation Scope, then click Next.



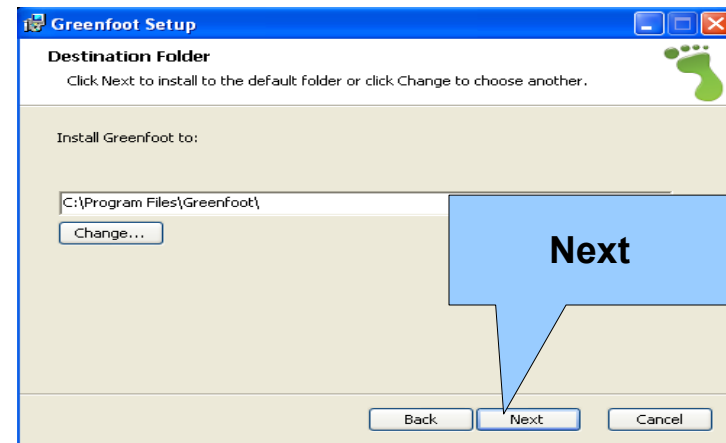
7. Select Associations and Shortcuts, then click Next.

Be sure to select Add File Associations (*.greenfoot, *.gfar).



Download & Install Greenfoot (cont.)

8. Specify the destination folder (where Greenfoot will install), then click Next.



9. Click Install.



Download & Install Greenfoot (cont.)

10. The Setup Wizard will install Greenfoot. When the completed message displays, click Finish.



Launch Greenfoot

To launch Greenfoot, double-click the Greenfoot icon on your desktop with your mouse, or select it from your list of computer programs.



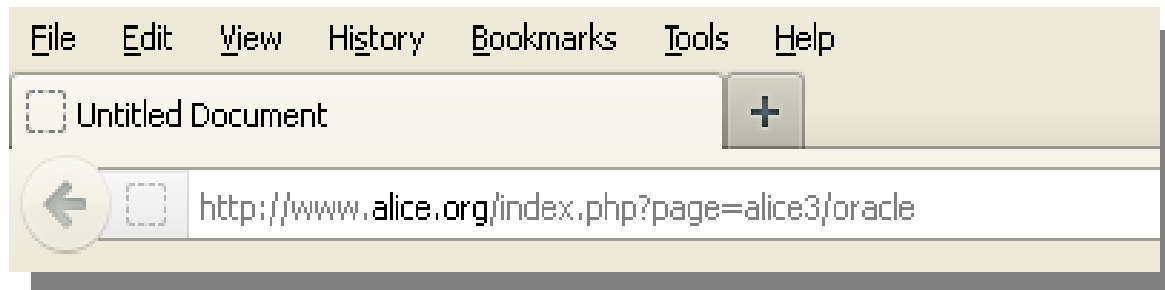
Download & Install Alice 3 Beta



Download & Install Alice 3 Beta

1. Open your Internet Browser and type the following URL in the address bar:

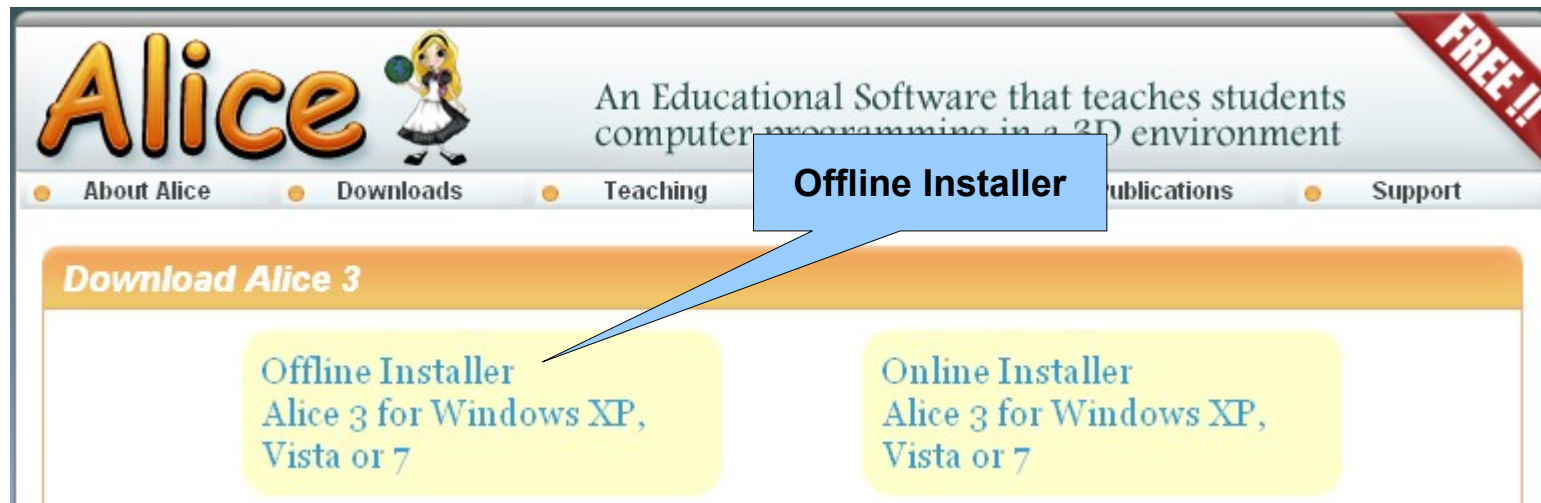
<http://www.alice.org/index.php?page=alice3/oracle>





Download & Install Alice 3 Beta (cont.)

2. Locate and select the Alice 3 Offline Installer option.

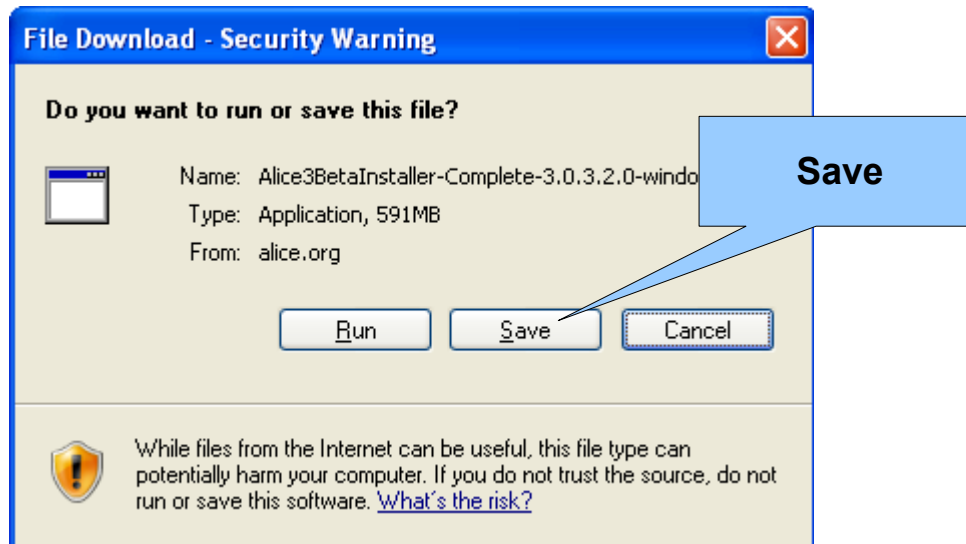


Please note that the Offline Installer can take up to 60 minutes to download.



Download & Install Alice 3 Beta (cont.)

3. When prompted, click Save to save the Alice 3 Beta Installer file.

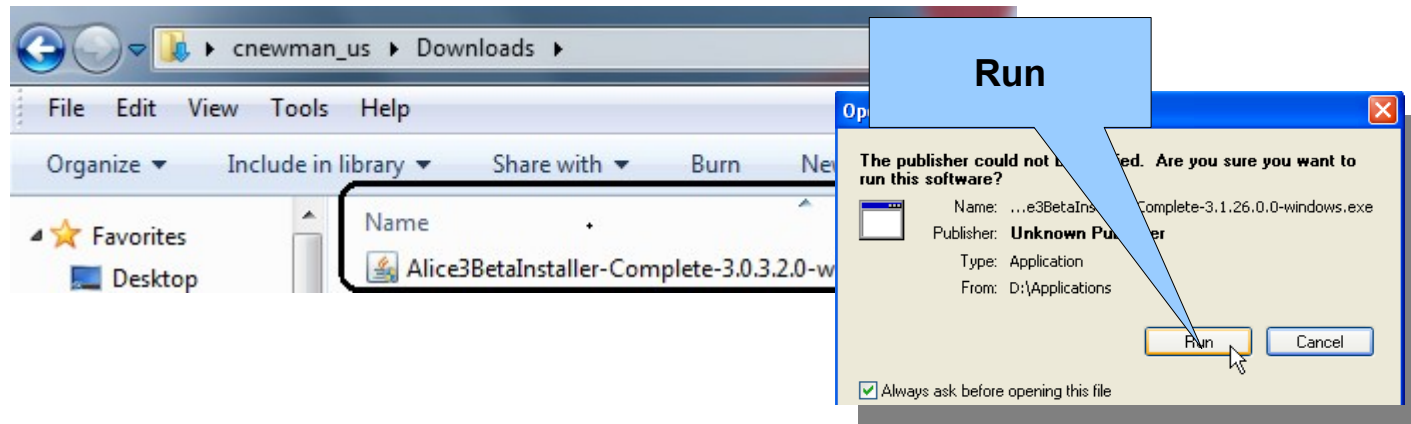


Save the file to a location you will remember and then let the download complete.

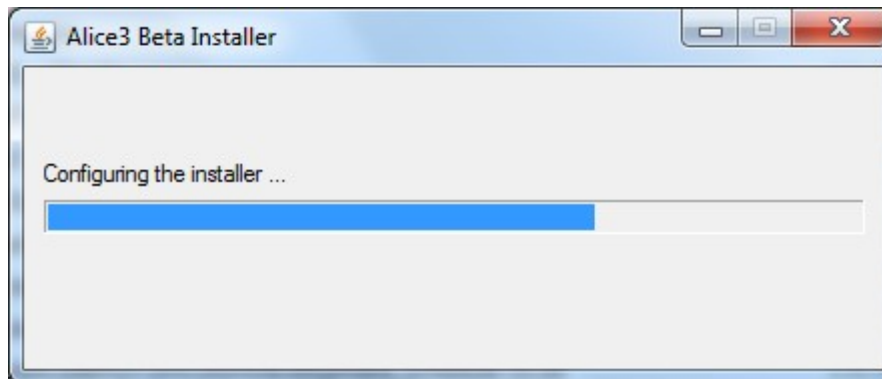


Download & Install Alice 3 Beta (cont.)

4. Locate the folder in which you saved the file. Double click the executable file and then click Run.



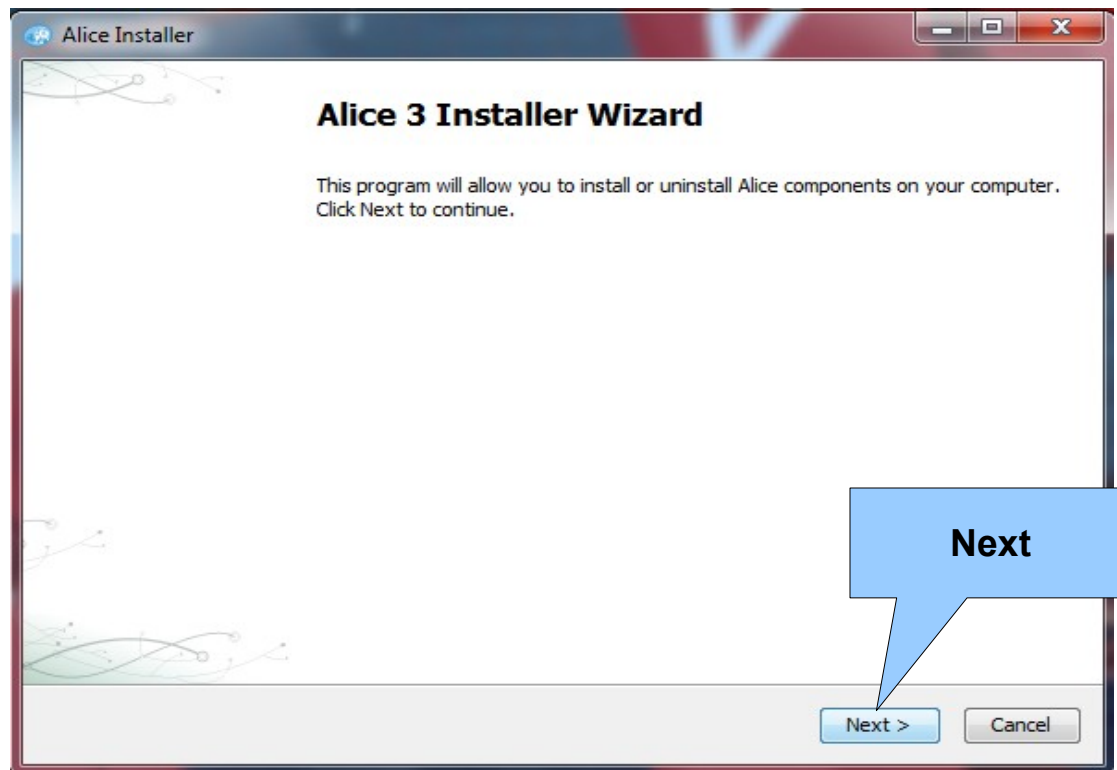
5. You will see the following window appear.





Download & Install Alice 3 Beta (cont.)

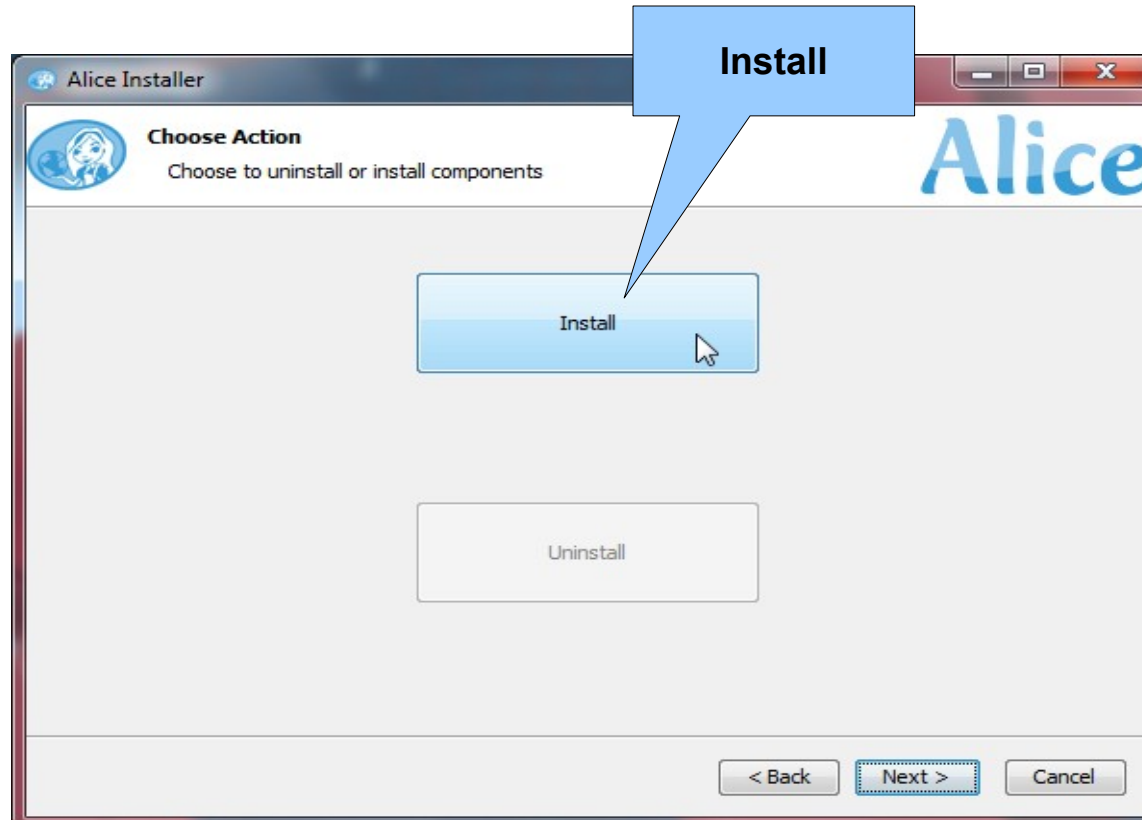
6. Once the installer has completed downloading you'll see the following window. To begin the installation, click Next.





Download & Install Alice 3 Beta (cont.)

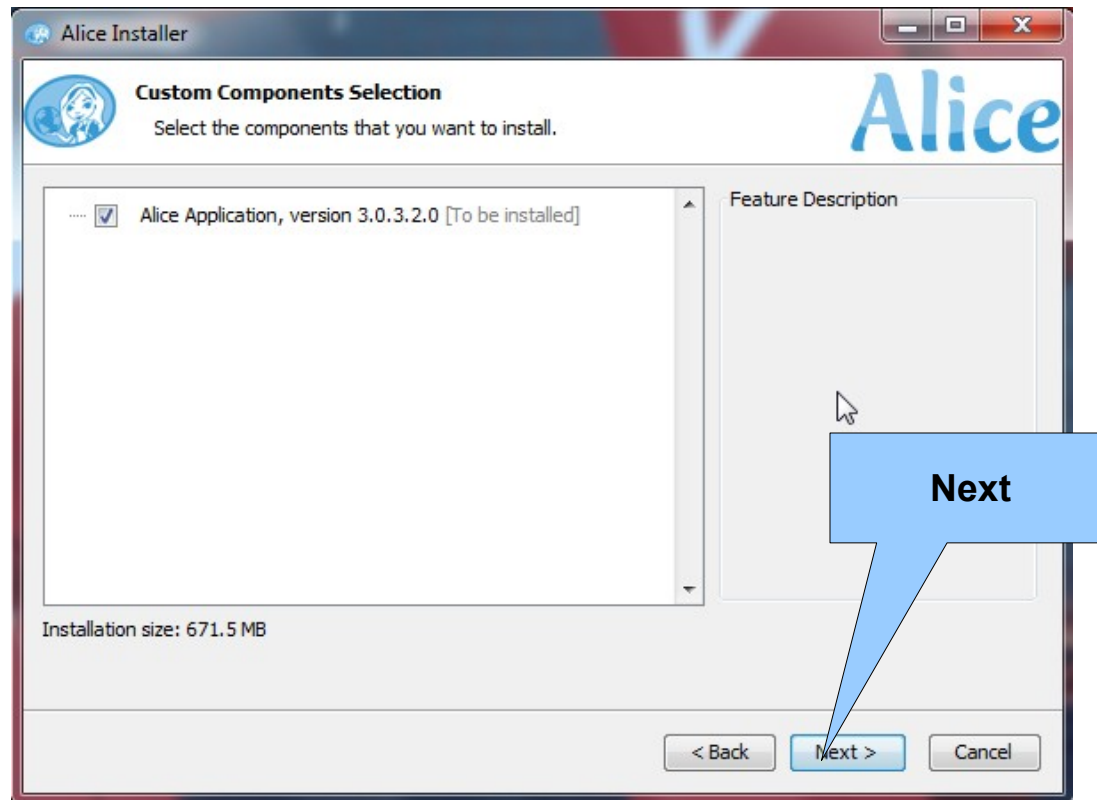
7. Select the Install option.





Download & Install Alice 3 Beta (cont.)

8. To accept the default installation option, click Next> .

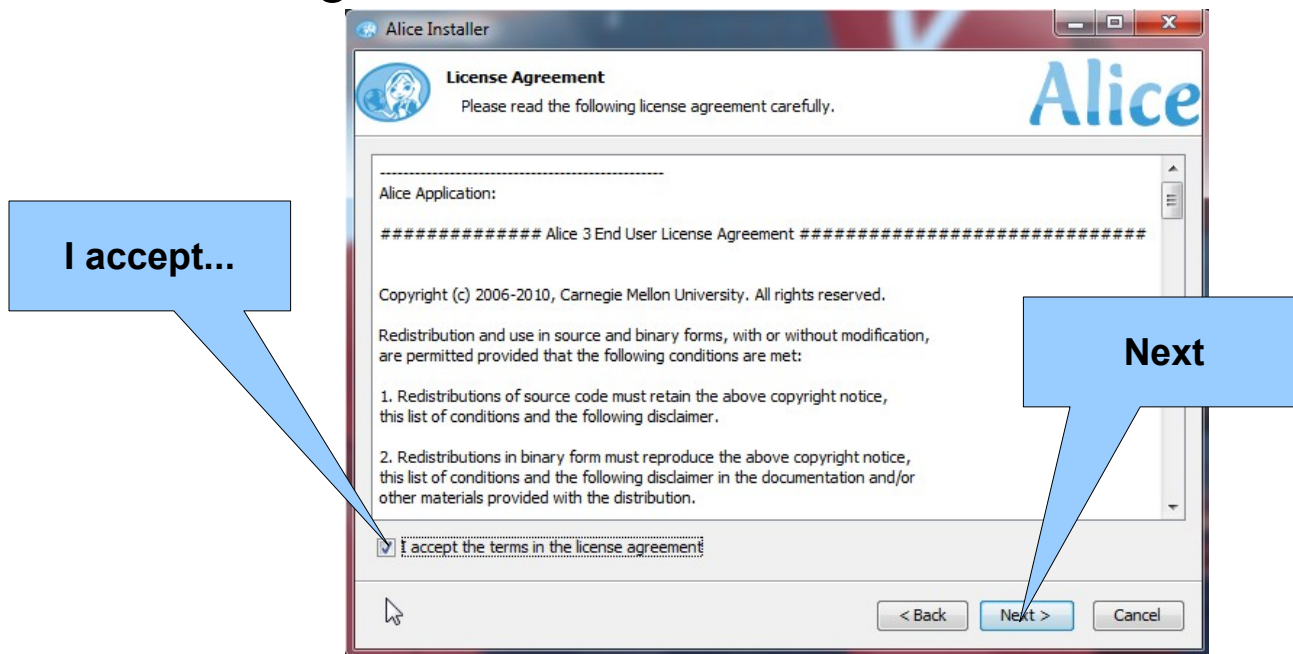




Download & Install Alice 3 Beta (cont.)

9. Review the License Agreement.

10. If you agree, select the box next to “I accept the terms in the license agreement.” Click Next> to continue.

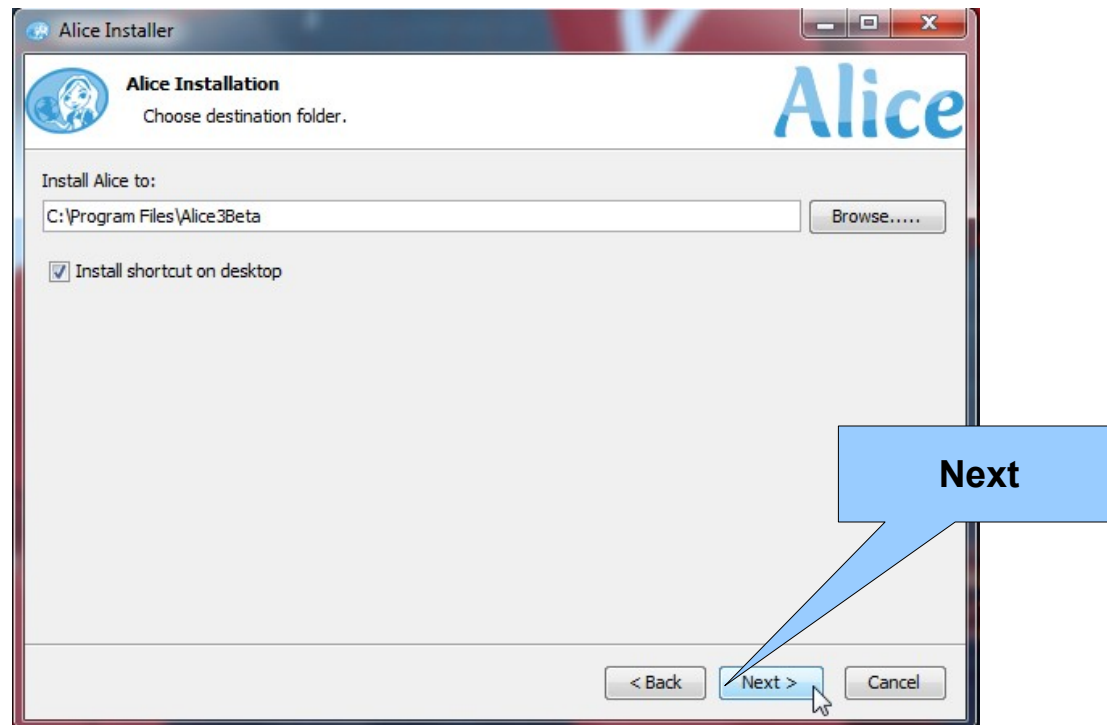


You will not be able to install the software unless you accept the terms of the license agreement.



Download & Install Alice 3 Beta (cont.)

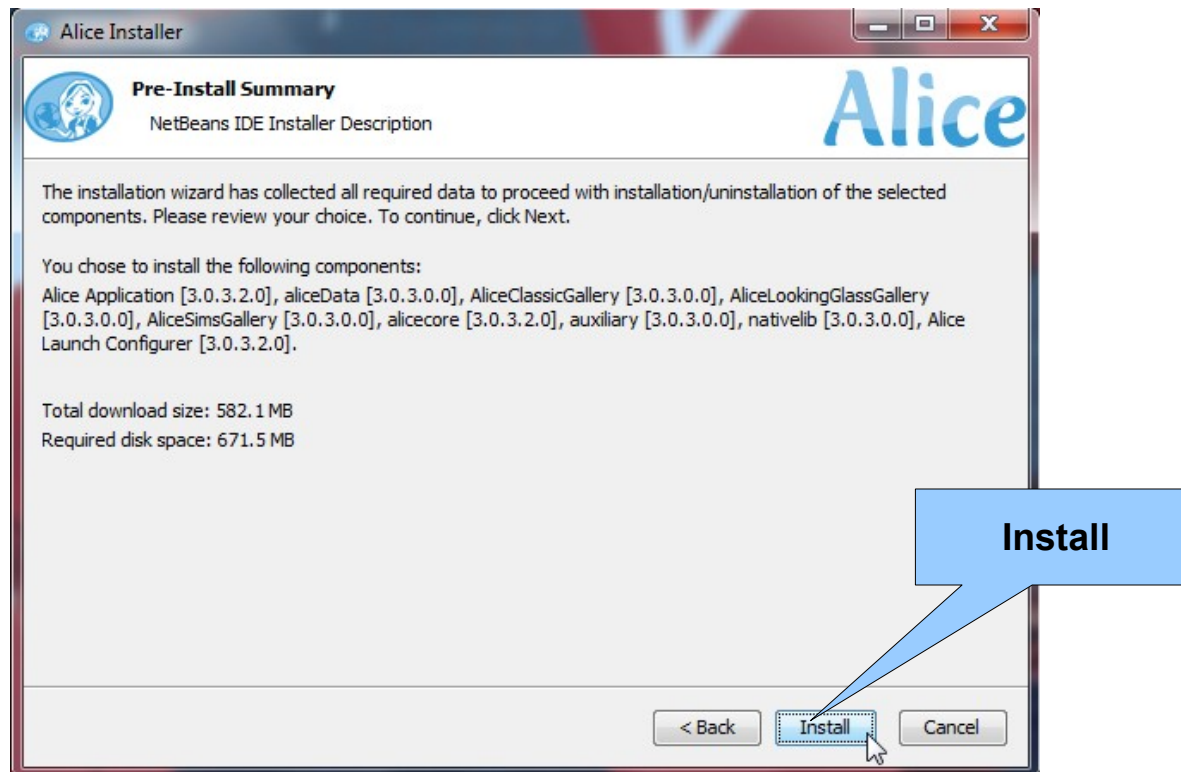
11. To accept the default setting that installs a desktop shortcut, click Next>.





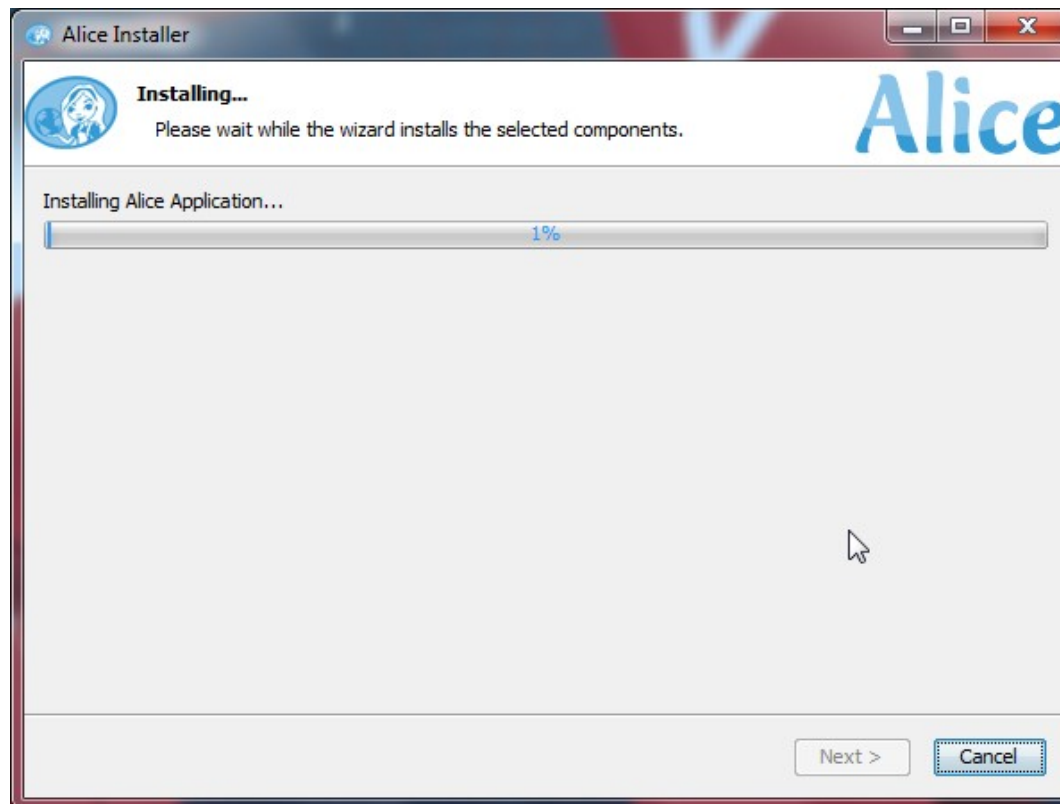
Download & Install Alice 3 Beta (cont.)

12. To begin the installation, click Install.



Download & Install Alice 3 Beta (cont.)

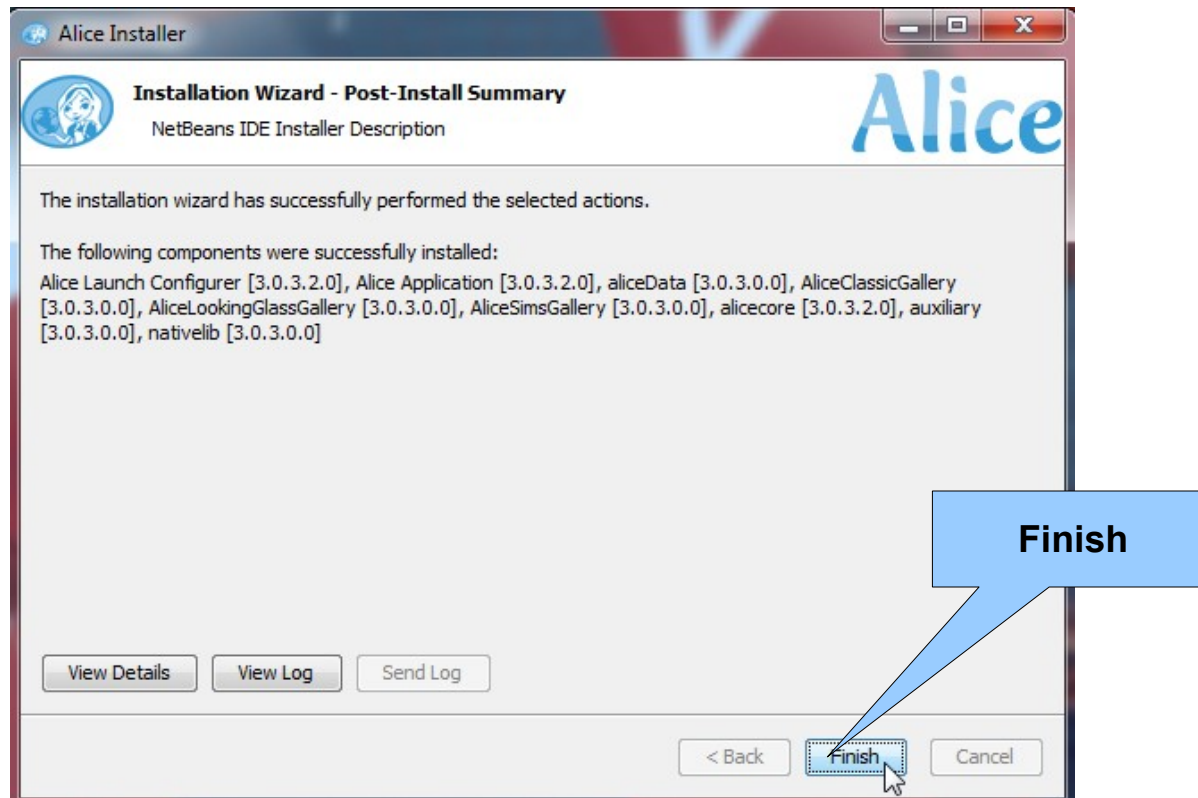
13. The following progress window will display.





Download & Install Alice 3 Beta (cont.)

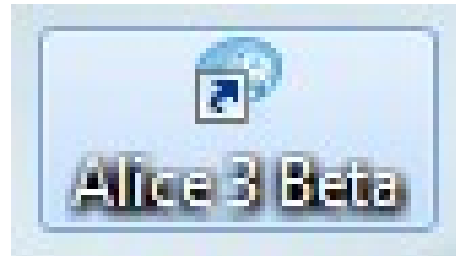
14. To complete the installation, click Finish.





Download & Install Alice 3 Beta (cont.)

15. The Alice 3 Beta icon will appear on your desktop.



16. Double-click the icon to launch Alice 3 Beta.

Download & Install Eclipse



Download & Install Eclipse

1. Open your Internet Browser and type the following URL in the address bar:

<http://www.eclipse.org/downloads>

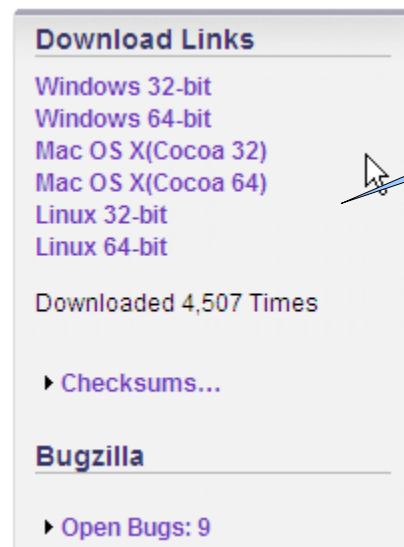
2. Select the Eclipse IDE for Java Developers.

The screenshot shows the Eclipse Downloads page. A blue callout box with the word "Select" points to the "Eclipse IDE for Java Developers" package. The page displays the following information:

Eclipse Downloads	
Packages	Developer Builds Projects
Compare Packages Older Versions Eclipse Indigo (3.7.1) Packages for Windows	
Eclipse IDE for Java Developers , 128 MB Downloaded 2,204,860 Times Details	Windows 32 Bit Windows 64 Bit
Eclipse IDE for Java EE Developers , 212 MB Downloaded 1,652,105 Times Details	Windows 32 Bit Windows 64 Bit

Download & Install Eclipse (cont.)

3. Select your computer operating system.



Select

Download & Install Eclipse (cont.)

4. To save the download file to the desktop, click Save.


Eclipse downloads - mirror selection

All downloads are provided under the terms and conditions of the [Eclipse Foundation Software User Agreement](#) unless otherwise specified.

Download eclipse-java-indigo-SR1-win32.zip from:



[\[United States\] Georgia Tech Software Library \(http\)](#)

Checksums: [\[MD5\]](#) [\[SHA1\]](#)  [BitTorrent](#)

Save

Do you want to open or save **eclipse-java-indigo-SR1-win32.zip** (128 MB) from www.gtlib.gatech.edu?

Open

Save

Cancel

22% of eclipse-java-indigo-SR1-win32.zip downloaded

2 min 36 sec remaining

Pause

Cancel

View downloads



Download & Install Eclipse (cont.)

Question: Is the download taking too long?

If your answer is “No,” go to slide 47. It is entitled “Download & Install Eclipse (cont.)”.

If your answer is “Yes,” go to the next slide.



Use a Mirror Website to Download & Install Eclipse

If your download is taking too long, we recommend that you use a mirror website.

What Is a Mirror Website?

A mirror website is one that contains the same content as the original website, but the server physically resides in a different location.

Eclipse has many mirror websites located around the world. By downloading from a server nearer to your physical location, you will experience shorter download times.

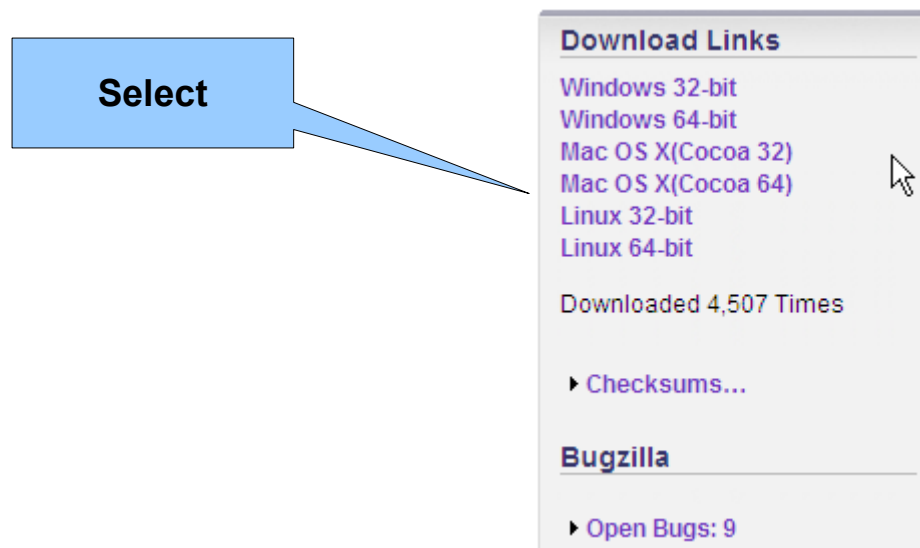
Use a Mirror Website to Download & Install Eclipse (cont.)

To install Eclipse from a mirror website:

1. Open your Internet Browser and type the following URL in the address bar:

<http://www.eclipse.org/downloads/packages/eclipse-ide-java-developers/indigosr2>

2. Select your computer operating system from the list.





Use a Mirror Website to Download & Install Eclipse (cont.)

3. Scroll down on the Downloads page until you find a mirror site that is closer to your city. Select that link.

Here is partial list of the available mirror sites.

- ✎ ■ [Germany] [University of Applied Sciences Esslingen \(http\)](http://www.esi.uni-esslingen.de)
- [Greece] [National Technical University of Athens \(http\)](http://www.ntua.gr)

Africa

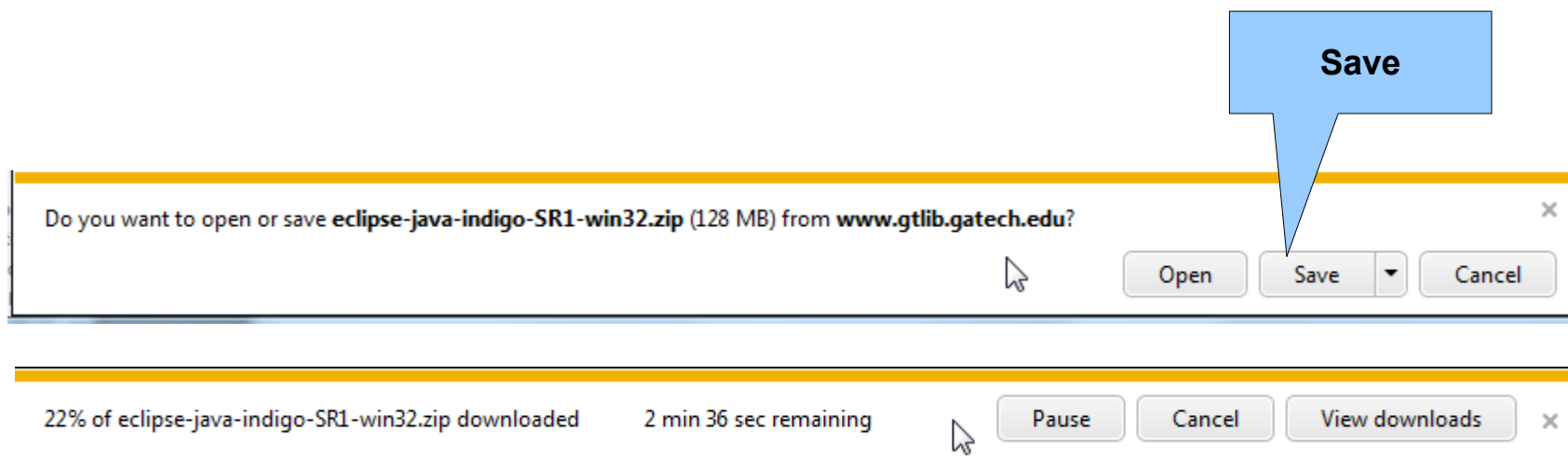
- [South Africa] [University of the Free State \(http\)](http://www.ufs.ac.za)

Asia

- [Malaysia] [Universiti Putra Malaysia \(http\)](http://www.upm.edu.my)
- [Taiwan] [Computer Center, Shu-Te University \(ftp\)](http://www.ccu.edu.tw)
- [China] [Beijing Institute of Technology \(http\)](http://www.bjtu.edu.cn)

Use a Mirror Website to Download & Install Eclipse (cont.)

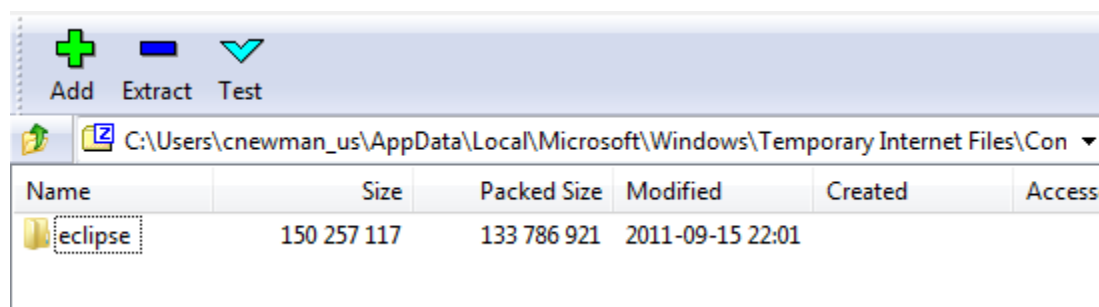
4. To save the download file to the desktop, click Save.



Download & Install Eclipse (cont.)

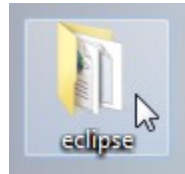
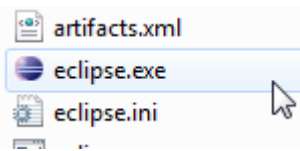
Extract the files from the zip file to a local directory on your computer.

Ensure that the directory path you use does not contain any spaces in the name.



Launch Eclipse

If you have a Windows operating system, double-click on the file `eclipse.exe`. If you have a Linux or Mac operating system, double-click the `eclipse` icon.



Download and Installation Support



Download and Installation Support

Alice3

Join the forum to get help from other users:

<http://alice.org/community/>

FAQs: <http://alice.org/index.php?page=faq>

Contact the Alice team:

<http://alice.org/index.php?page=contact/contact>



Download and Installation Support (cont.)

Greenfoot

Join the forum to get help from other users:

<http://www.greenfoot.org/topics>

Contact the technical team with technical installation issues at: support@greenfoot.org

- Include the following:
 - Operating system
 - Version of Greenfoot
 - Specific information about the problem (error message, steps you took to recreate the problem)
 - Debug log file “greenfoot-debuglog.txt”



Download and Installation Support (cont.)

Eclipse

To report a bug: https://bugs.eclipse.org/bugs/enter_bug.cgi

Registration with the Eclipse website is required.

For technical support, join the forums and seek your answers here: <http://www.eclipse.org/forums/>