

NetBeans Install Directions

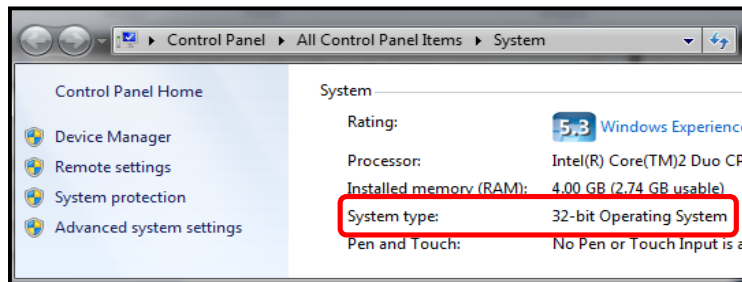
Java is an object-oriented programming language. We will be writing all of our Java code in NetBeans. NetBeans is not the only environment for writing Java code, but it is what we will be using for this text.

You should download the NetBeans and Java SDK bundle. This bundle will include everything that you will need to write and run Java programs. Please follow the install directions for installing this software.

NetBeans Install Directions:

<http://www.oracle.com/technetwork/articles/javase/jdk-netbeans-jsp-142931.html>

- Accept the license agreement
- Download the file for your operating system
 - How to determine whether you have a 32 or 64 bit version of Windows:
 - Click **Start**, right-click **Computer**, and then click **Properties**. Scroll down to find the system type as shown below:



- The 32 bit operating systems should download the x86 version and 64 bit operating systems should download the x64 version
- Once it has finished downloading, double click on this file
- Follow through the steps for installing the software

Alice Install Directions

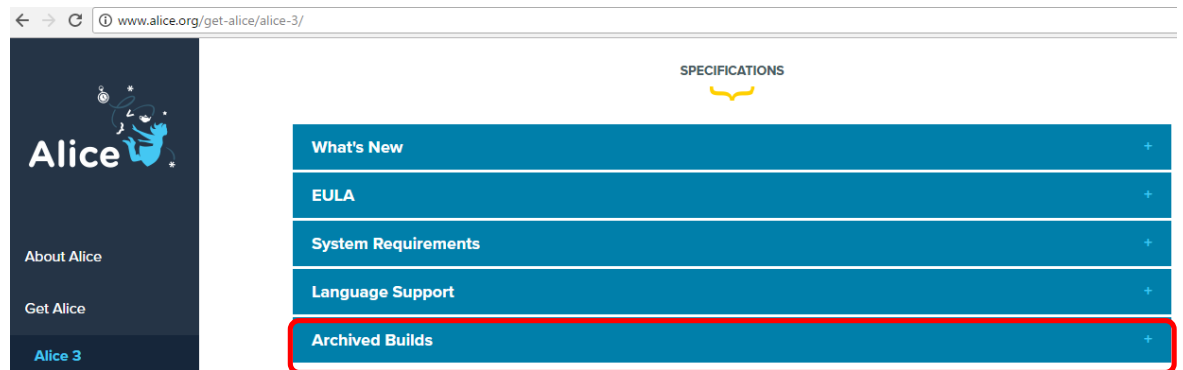
Alice provides a 3D environment for manipulating objects using drag and drop code segments. This environment helps to provide visual representations of abstract programming concepts. Please follow the install directions for installing this software.

You must install the NetBeans environment with the Java SDK (*shown above*) before installing the Alice environment or you will most likely get a “Java not found” error.

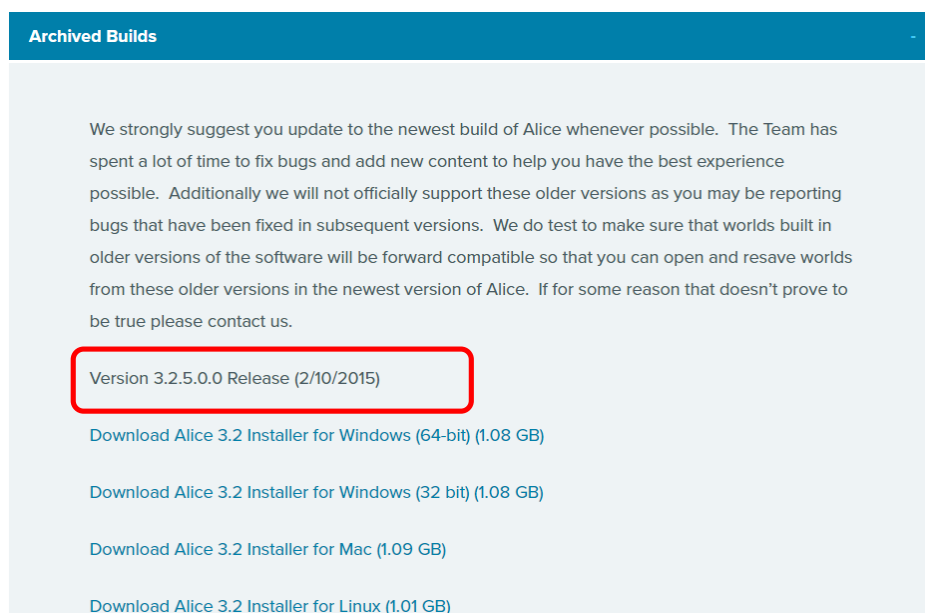
Alice for Windows & Mac:

<http://www.alice.org/get-alice/alice-3/>

- Scroll down to **Archived Builds** under the **Specifications** section of the webpage.



- Expand the **Archived Build** section to see the available versions. Scroll down to the **Version 3.2.5.0.0 Release (2/10/2015)** as shown below.



- Download the file for your operating system
- Once it has finished downloading, double click on this file
- Follow through the steps for installing the software
- You will need to download the Alice 3 Plugin so that Alice programs can be transferred into NetBeans. Please follow the directions for installing the plugin on the next page.

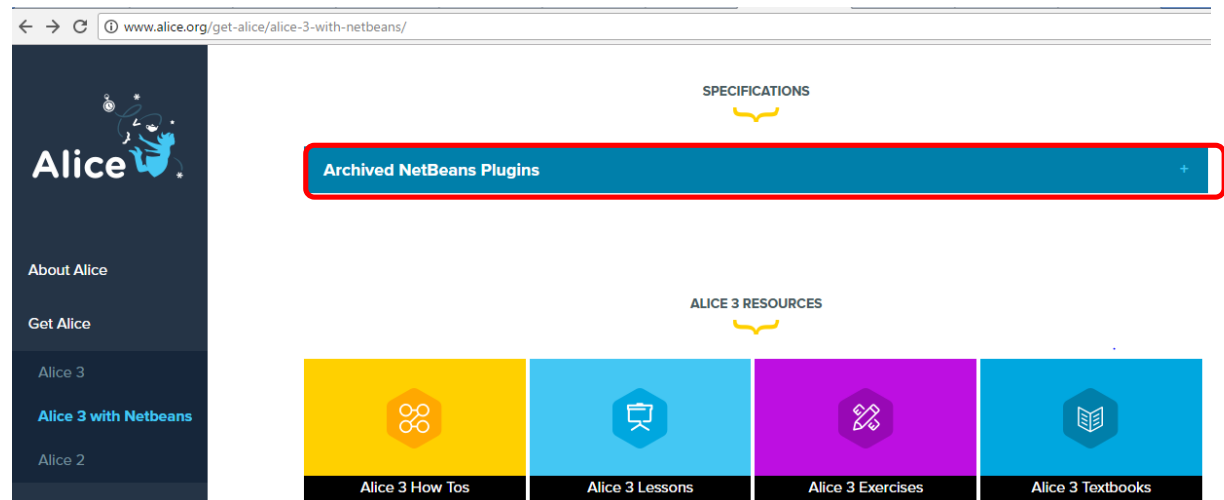
Alice 3 Plugin Install Directions

You will need to download the Alice 3 Plugin so that Alice programs can be transferred into NetBeans. This plugin will need to be added to the NetBeans environment. Please follow the directions listed below.

Plugin for Windows & Mac:

<http://www.alice.org/get-alice/alice-3-with-netbeans/>

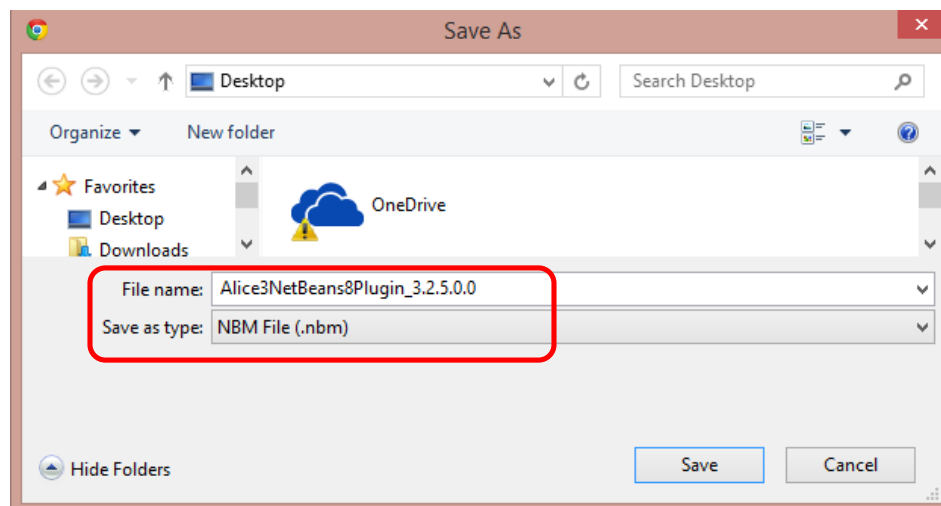
- Scroll down to **Archived NetBeans Plugins** under the **Specifications** section of the webpage.



- Expand the **Archived NetBeans Plugins** section to see the available versions. Scroll down to the **Alice Version 3.2.5** release. Click on **Download NetBeans Plugin for Java 8** as shown below.



- Save **Alice3NetBeans8Plugin_3.2.5.0.0.nbm** to your computer. Ensure that the plugin has the **.nbm** file extension before downloading it (*note this is a screen shot using Chrome on a Windows machine*).



- **Troubleshooting:**
 - Do NOT try opening this file.
 - If your file does not have the .nbm extension, try changing the file extension type by **adding .nbm extension to your file name** and by changing the **save as type** to **All Files**
- Once you have the Alice NetBeans plugin downloaded, **open up the NetBeans IDE environment**.

- Click on **Tools** then **Plugins**. Click on the **Downloaded** tab. Then click **Add Plugins...** Locate the Alice NetBeans plugin(should have .nbm extension) and click **Ok**. Click **Install**.
- Follow through with the install wizard.
- To ensure that the plugin installed, click **File, New Project**. If you see the following Alice option, the plugin has been installed.

