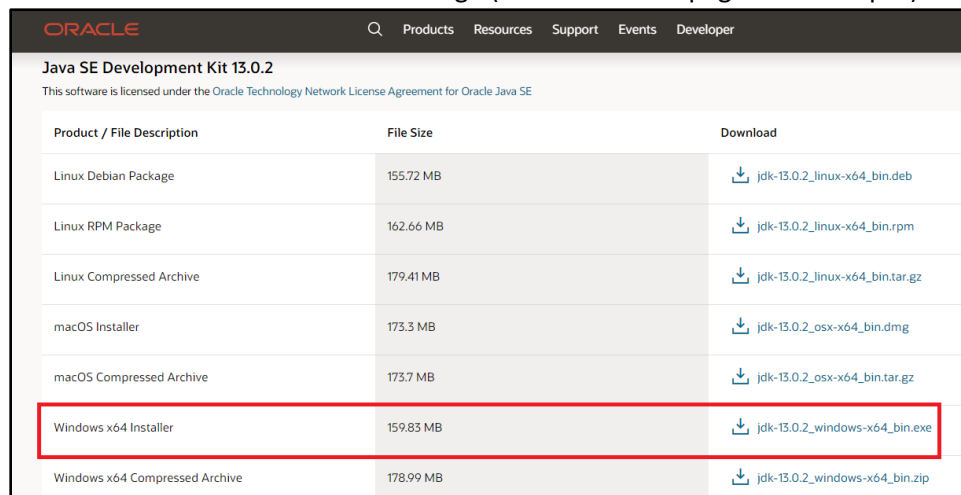


How to install NetBeans in Windows

Version 1.4 (Feb 10, 2021)

Note: Don't run the NetBeans installer before installing Java and/or Cygwin.

1. Download java version SE 13 jdk:
 - a. Link: <https://www.oracle.com/java/technologies/javase/jdk13-archive-downloads.html>
 - i. You can search java version 13 jdk if link does not work
 - b. Select the **Windows x64 Installer Image** (scroll down the page to reach spot):



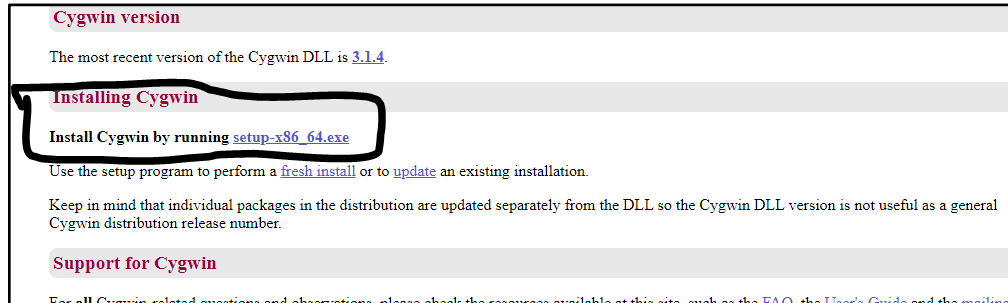
Product / File Description	File Size	Download
Linux Debian Package	155.72 MB	jdk-13.0.2_linux-x64_bin.deb
Linux RPM Package	162.66 MB	jdk-13.0.2_linux-x64_bin.rpm
Linux Compressed Archive	179.41 MB	jdk-13.0.2_linux-x64_bin.tar.gz
macOS Installer	173.3 MB	jdk-13.0.2_osx-x64_bin.dmg
macOS Compressed Archive	173.7 MB	jdk-13.0.2_osx-x64_bin.tar.gz
Windows x64 Installer	159.83 MB	jdk-13.0.2_windows-x64_bin.exe
Windows x64 Compressed Archive	178.99 MB	jdk-13.0.2_windows-x64_bin.zip

- c. Follow installation steps and leave default setting from installer as they are.

2. Download Cygwin (64-bit version) and run executable:

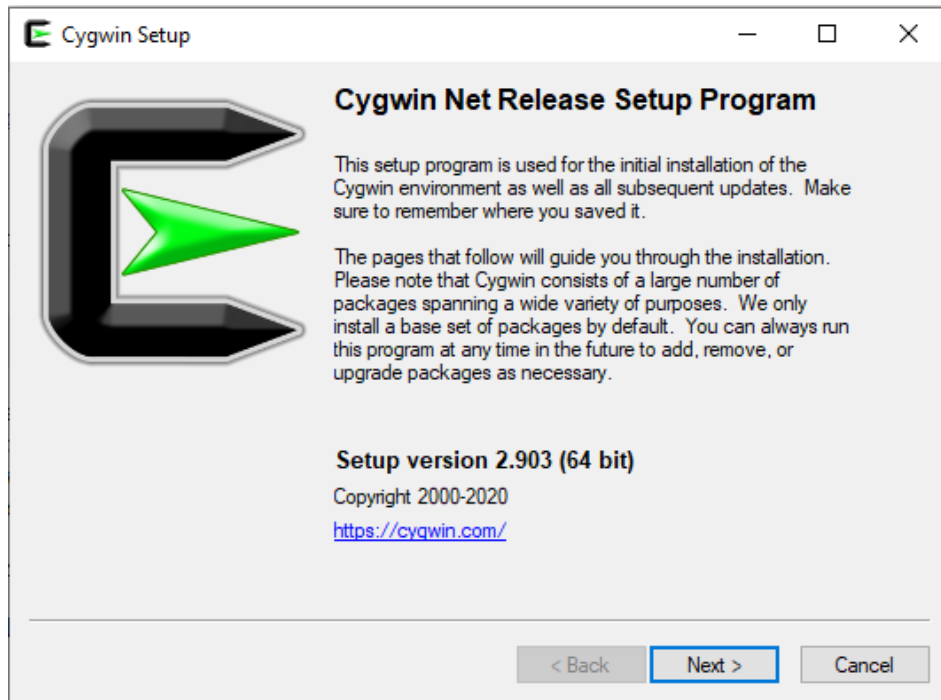
a. Link: <https://www.cygwin.com/>

b. Image (scroll down the page to reach spot):

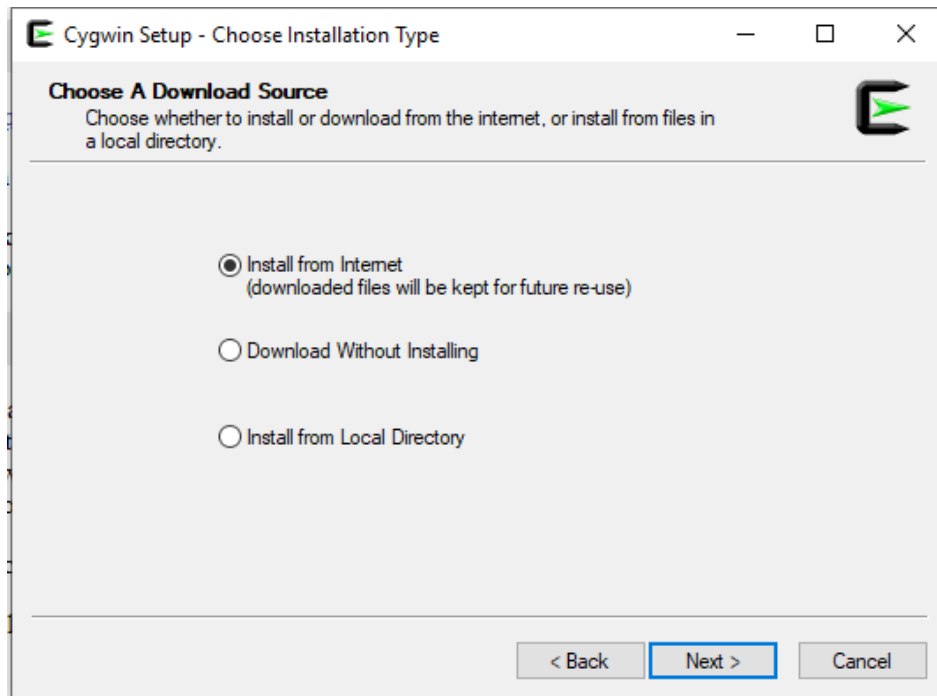


3. Run Cygwin setup-x86_64.exe and press next for the next few steps until you reach list of packages. leave default setting from installer

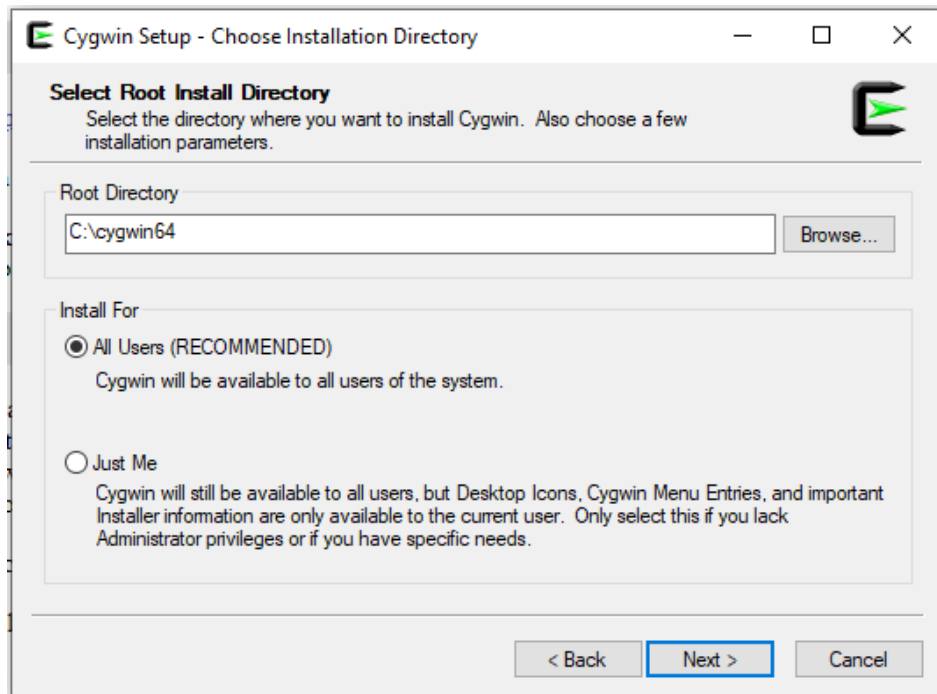
a.



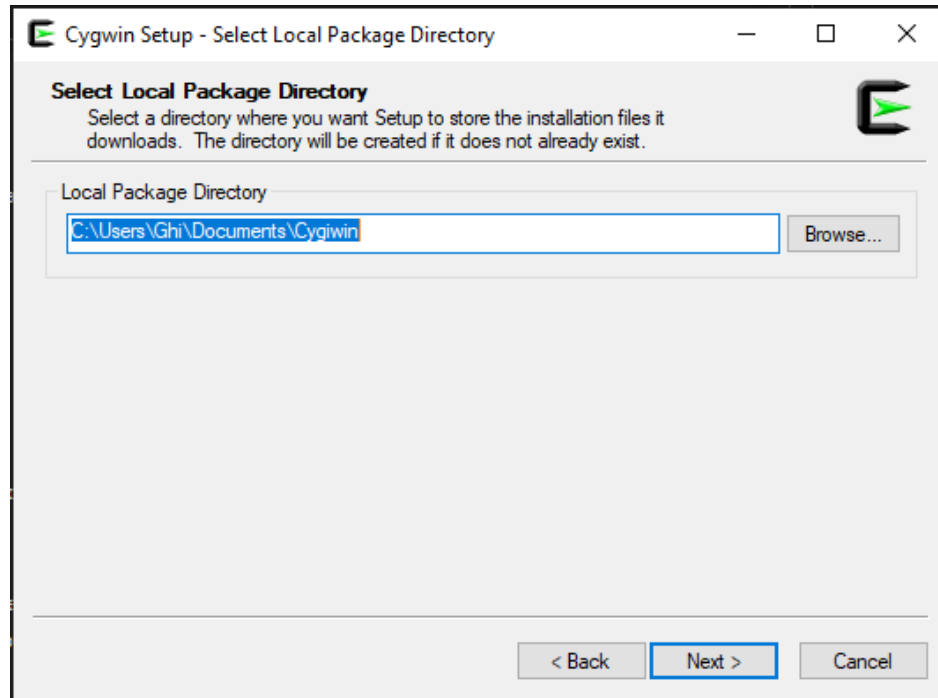
b.



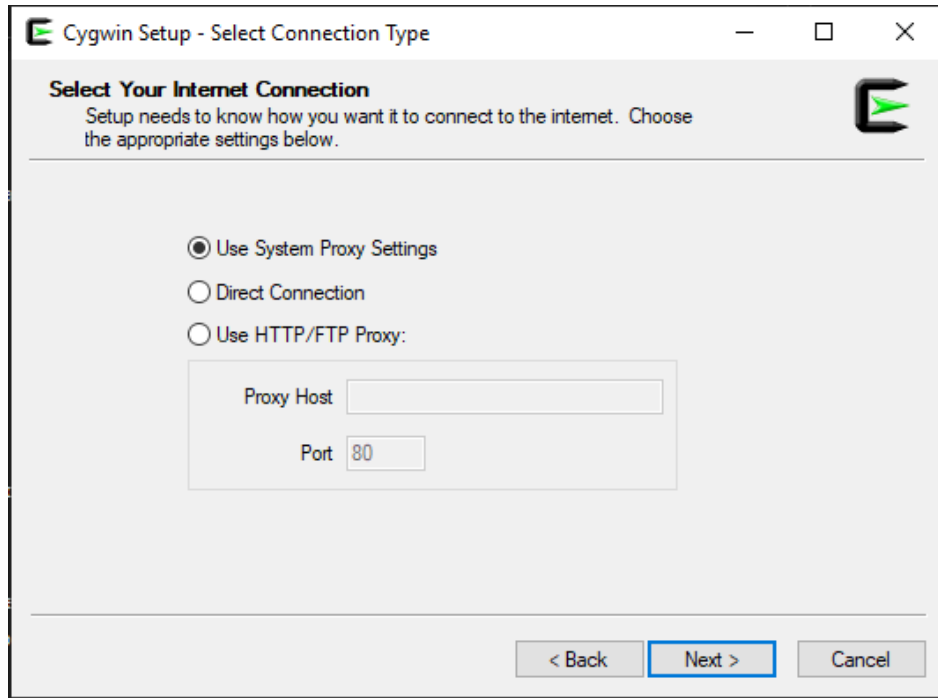
c.



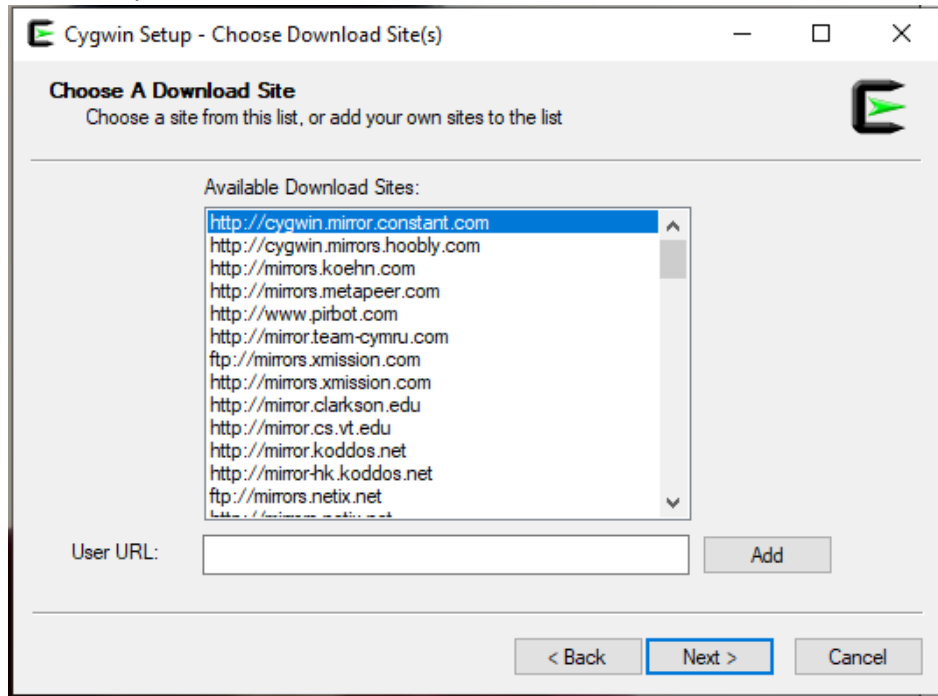
d.



e.



f. Choose any mirror links, it does not matter



4. Currently the page should be list of packages. Make sure that from the top left drop-down menu for view that full is selected

- a. In the search box enter **gcc**. From the package column find **gcc-core** and **gcc-g++**. For each package under the column New, click the drop-down arrow button and select the highest non-test version in the list

Cygwin Setup - Select Packages

Select Packages
Select packages to install

View: Full Search: gcc Clear

Package	Current	New	Src?	Categories	Size	Description
colorgcc		Skip		Devel Perf	14k	Colorizer for GCC warning/error messages
cygwin32-gcc-core		Skip		Devel	16.464k	GCC for Cygwin 32bit toolchain (C, OpenMP)
cygwin32-gcc-debuginfo		Skip		Debug	127.029k	Debug info for cygwin32-gcc
cygwin32-gcc-fortran		Skip		Devel	7.014k	GCC for Cygwin 32bit toolchain (Fortran)
cygwin32-gcc-g++		Skip		Devel	10.459k	GCC for Cygwin 32bit toolchain (C++)
djgpp-gcc-ada		Skip		Devel	13.501k	GCC for DJGPP toolchain (Ada)
djgpp-gcc-core		Skip		Devel	7.929k	GCC for DJGPP toolchain (C)
djgpp-gcc-debuginfo		Skip		Debug	169.469k	Debug info for djgpp-gcc
djgpp-gcc-fortran		Skip		Devel	6.299k	GCC for DJGPP toolchain (Fortran)
djgpp-gcc-g++		Skip		Devel	8.279k	GCC for DJGPP toolchain (C++)
djgpp-gcc-objc		Skip		Devel	5.087k	GCC for DJGPP toolchain (Objective-C)
djgpp-gcc-objc++		Skip		Devel	5.349k	GCC for DJGPP toolchain (Objective-C++)
gcc-core	7.4.0-1	9.3.0-1		Devel	20.500k	GNU Compiler Collection (C, OpenMP)
gcc-debuginfo		Skip		Debug	21.356k	Debug info for gcc
gcc-fortran		Skip		Devel	9.344k	GNU Compiler Collection (Fortran)
gcc-g++	7.4.0-1	9.3.0-1		Devel	16.257k	GNU Compiler Collection (C++)
gcc-objc		Skip		Devel	6.750k	GNU Compiler Collection (Objective-C)
gcc-objc++		Skip		Devel	7.029k	GNU Compiler Collection (Objective-C++)
gcc-tools-epoch1-autconf		Skip		Devel	425k	(gcc-special) automatic configure script builder
gcc-tools-epoch1-automake		Skip		Devel	419k	(gcc-special) a tool for generating GNU-compliant Makefiles
gcc-tools-epoch2-autconf		Skip		Devel	712k	(gcc-special) automatic configure script builder
gcc-tools-epoch2-automake		Skip		Devel	589k	(gcc-special) a tool for generating GNU-compliant Makefiles
gccmakedep		Skip		Devel	6k	X Makefile dependency tool for GCC
libgcc1	7.4.0-1	9.3.0-1		Libs	28k	GCC C runtime library
libgccpp1		Skip		Libs	3k	Boehm-Demers-Weiser garbage collector library
mingw64-686-gcc-core		Skip		Devel	16.851k	GCC for Win32 (686-w64-mingw.32) toolchain (C, OpenMP)
mingw64-686-gcc-debuginfo		Skip		Debug	282.991k	Debug info for mingw64-686-gcc
mingw64-686-gcc-fortran		Skip		Devel	9.083k	GCC for Win32 (686-w64-mingw.32) toolchain (Fortran)
mingw64-686-gcc-g++		Skip		Devel	14.358k	GCC for Win32 (686-w64-mingw.32) toolchain (C++)

Hide obsolete packages

< Back

- b. In the search box enter **gdb** and find package name **gdb** and select highest non-test version under column New

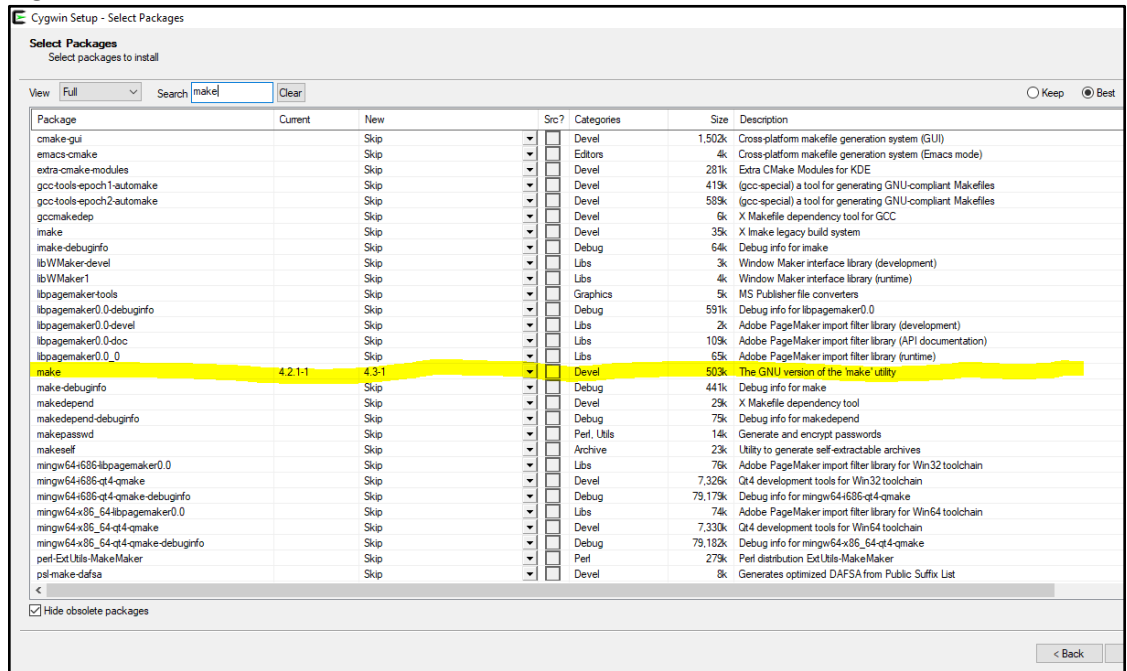
Cygwin Setup - Select Packages

Select Packages
Select packages to install

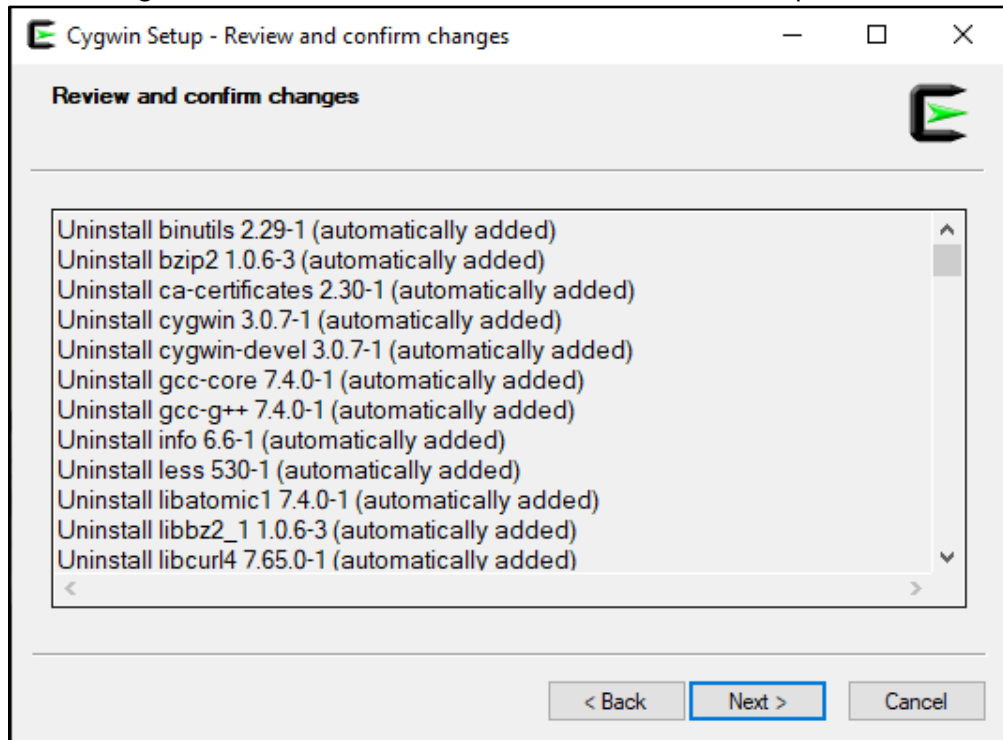
View: Full Search: gdb Clear

Package	Current	New	Src?	Categories	Size	Description
cgdb		Skip		Devel	633k	A curses-based interface to the GNU Debugger (GDB)
cgdb-debuginfo		Skip		Debug	334k	Debug info for cgdb
gdb		8.2.1-1		Devel	3.024k	The GNU Debugger
gdb-debuginfo		Skip		Debug	26.809k	Debug info for gdb
gdbm		Skip		Database	161k	GNU dbm implementation
gdbm-debuginfo		Skip		Debug	283k	Debug info for gdbm
libgdbm-devel		Skip		Libs	14k	GNU dbm implementation
libgdbm4	1.12-1	1.13-1		Libs	20k	GNU dbm implementation
libgdbm5		Skip		Libs	22k	GNU dbm implementation
libgdbm_compat4		Skip		Libs	4k	GNU dbm implementation
mingw64-686-gdbm		Skip		Devel	59k	GNU dbm implementation for Win32 toolchain
mingw64-x86_64-gdbm		Skip		Devel	57k	GNU dbm implementation for Win64 toolchain

- c. In the search box enter **make** and find package **make** and under the column New select highest non-test version



- d. Click next after selecting all 4 packages, next page should be a list of packages that will be installing (Mine is different because some of those packages are already installed). After seeing the list click next and download should start. Next step will take a while



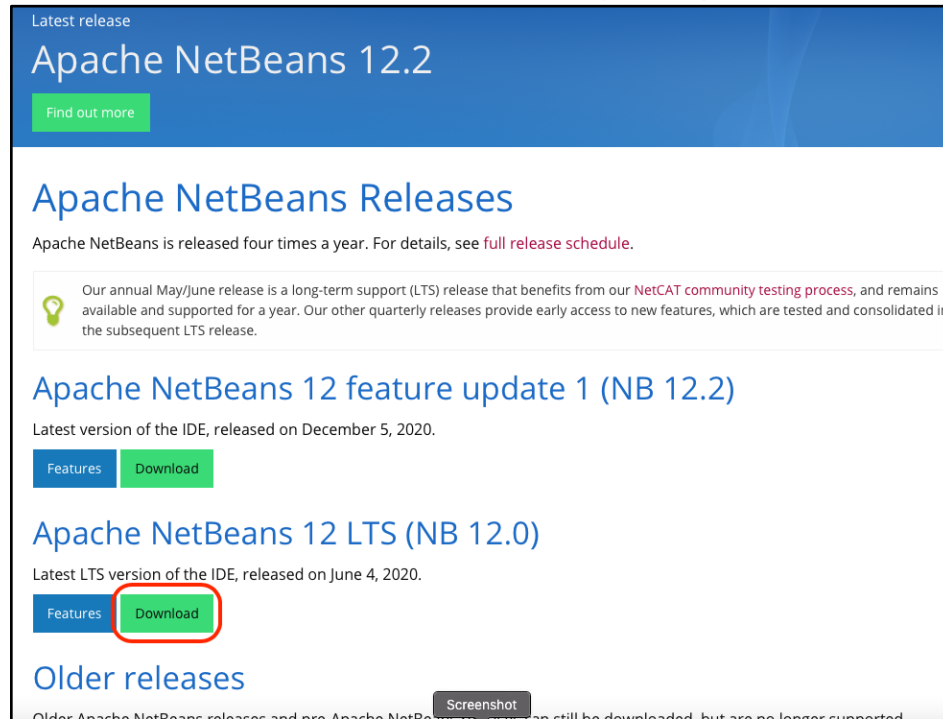
e. After installation is complete, click finish or done to exit installer

5. Download NetBeans 12 LTS (released June 2020)

a. Link: <https://netbeans.apache.org/download/>

(Link should work, if not search "Download NetBeans 12 LTS")

Click the 'Download' button for **NetBeans 12 LTS (NB 12.0)**



Latest release

Apache NetBeans 12.2

Find out more

Apache NetBeans Releases

Apache NetBeans is released four times a year. For details, see [full release schedule](#).

Our annual May/June release is a long-term support (LTS) release that benefits from our [NetCAT community testing process](#), and remains available and supported for a year. Our other quarterly releases provide early access to new features, which are tested and consolidated in the subsequent LTS release.

Apache NetBeans 12 feature update 1 (NB 12.2)

Latest version of the IDE, released on December 5, 2020.

Features Download

Apache NetBeans 12 LTS (NB 12.0)

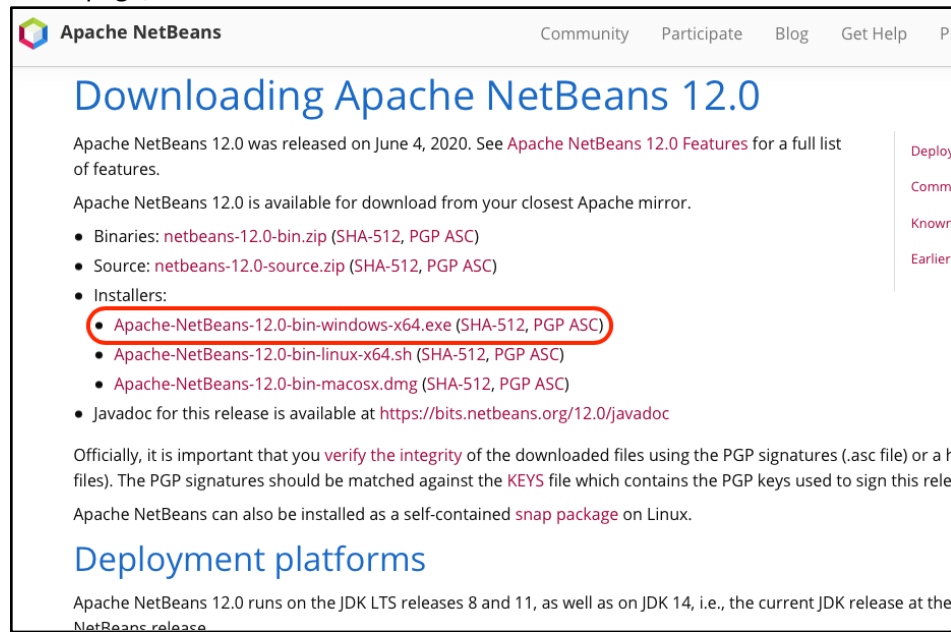
Latest LTS version of the IDE, released on June 4, 2020.

Features **Download**

Older releases

Older Apache NetBeans releases and pre- Apache NetBeans releases can still be downloaded, but are no longer supported.

b. In the page, make sure to download the Windows 64-bit version of NetBeans:



Apache NetBeans

Community Participate Blog Get Help

Downloading Apache NetBeans 12.0

Apache NetBeans 12.0 was released on June 4, 2020. See [Apache NetBeans 12.0 Features](#) for a full list of features.

Apache NetBeans 12.0 is available for download from your closest Apache mirror.

- Binaries: [netbeans-12.0-bin.zip](#) (SHA-512, PGP ASC)
- Source: [netbeans-12.0-source.zip](#) (SHA-512, PGP ASC)
- Installers:
 - **Apache-NetBeans-12.0-bin-windows-x64.exe** (SHA-512, PGP ASC)
 - [Apache-NetBeans-12.0-bin-linux-x64.sh](#) (SHA-512, PGP ASC)
 - [Apache-NetBeans-12.0-bin-macosx.dmg](#) (SHA-512, PGP ASC)
- Javadoc for this release is available at <https://bits.netbeans.org/12.0/javadoc>

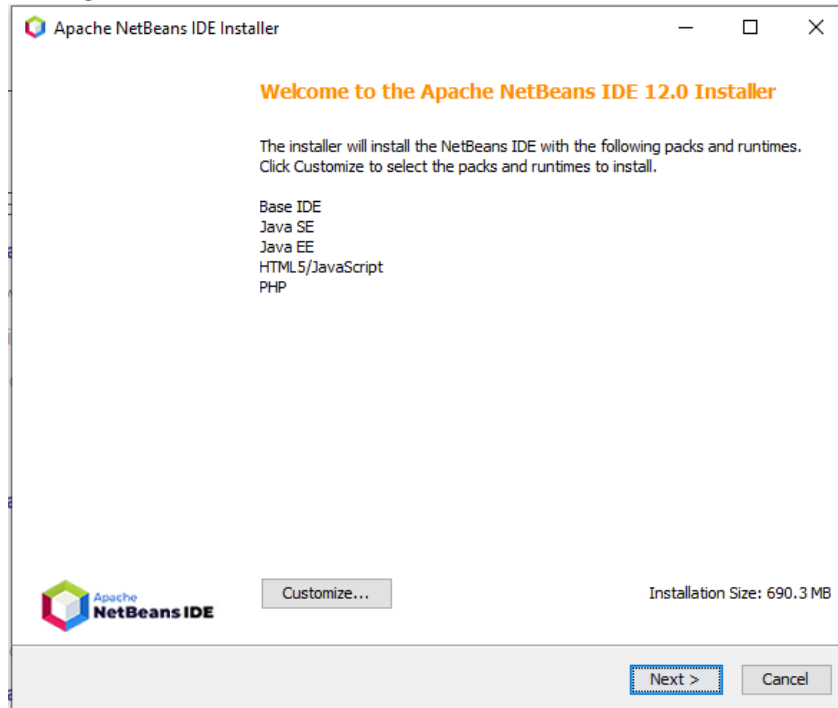
Officially, it is important that you [verify the integrity](#) of the downloaded files using the PGP signatures (.asc file) or a hash (e.g. sha512sum) files). The PGP signatures should be matched against the [KEYS](#) file which contains the PGP keys used to sign this release.

Apache NetBeans can also be installed as a self-contained [snap package](#) on Linux.

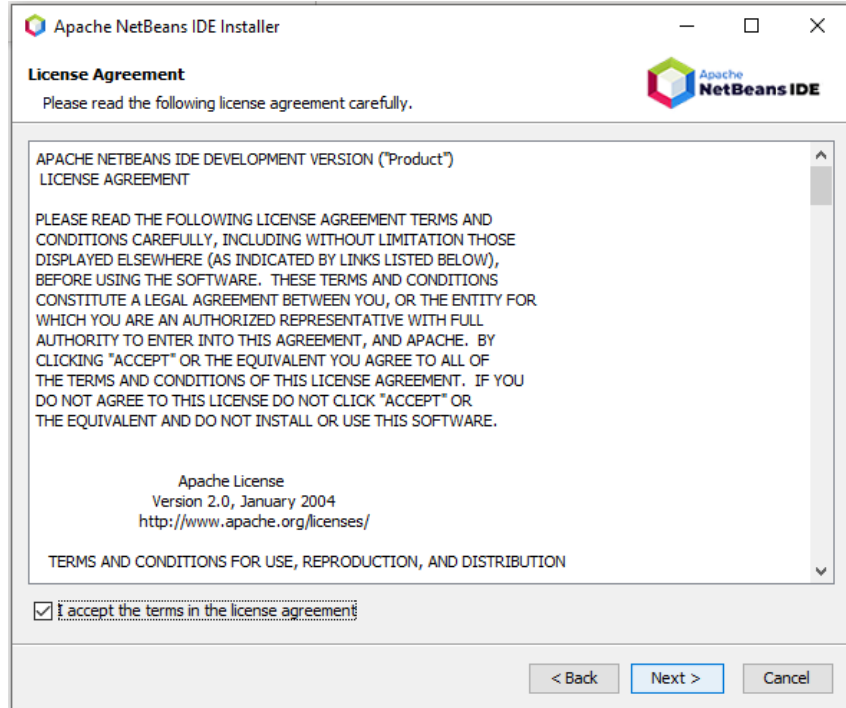
Deployment platforms

Apache NetBeans 12.0 runs on the JDK LTS releases 8 and 11, as well as on JDK 14, i.e., the current JDK release at the [NetBeans release](#).

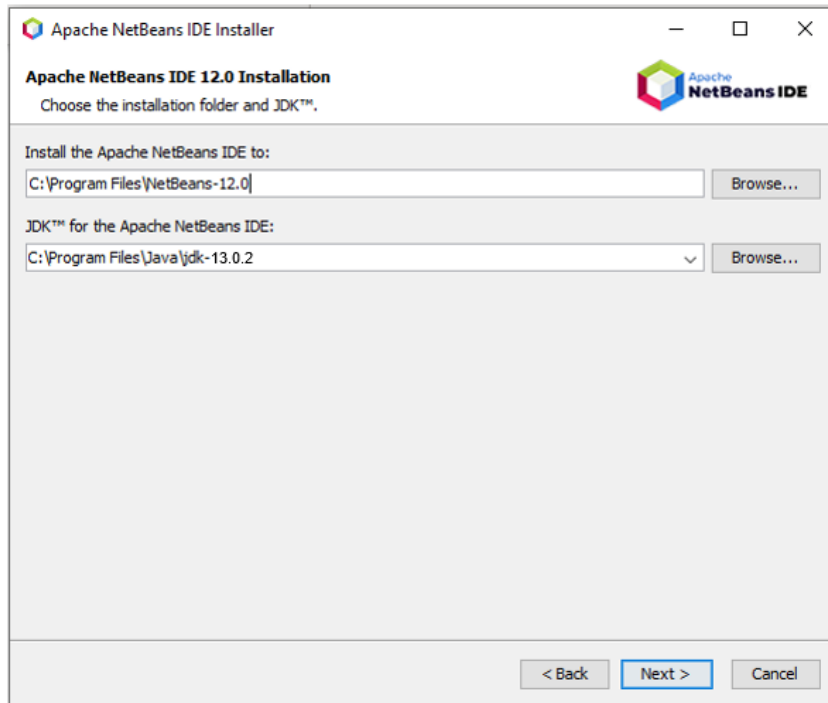
- c. Go to your **Downloads** folder and run the NetBeans installer (**Apache-NetBeans-12.0-bin-windows-x64.exe**). Follow the steps without changing any of the default setting by clicking **next**:



- d.

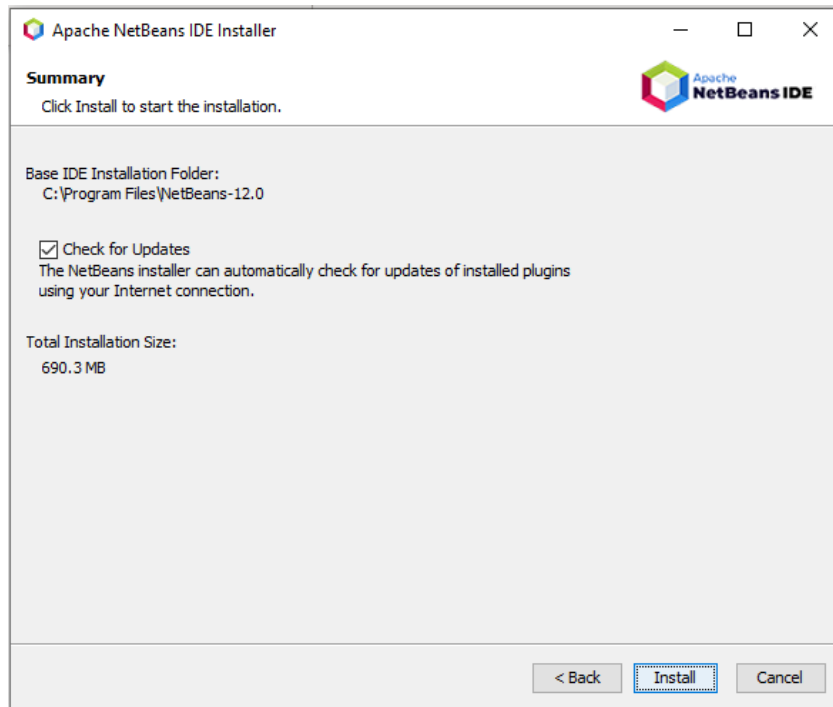


e.



Make sure that under JDK for the NetBeans IDE to select Java version 13 from drop down menu.

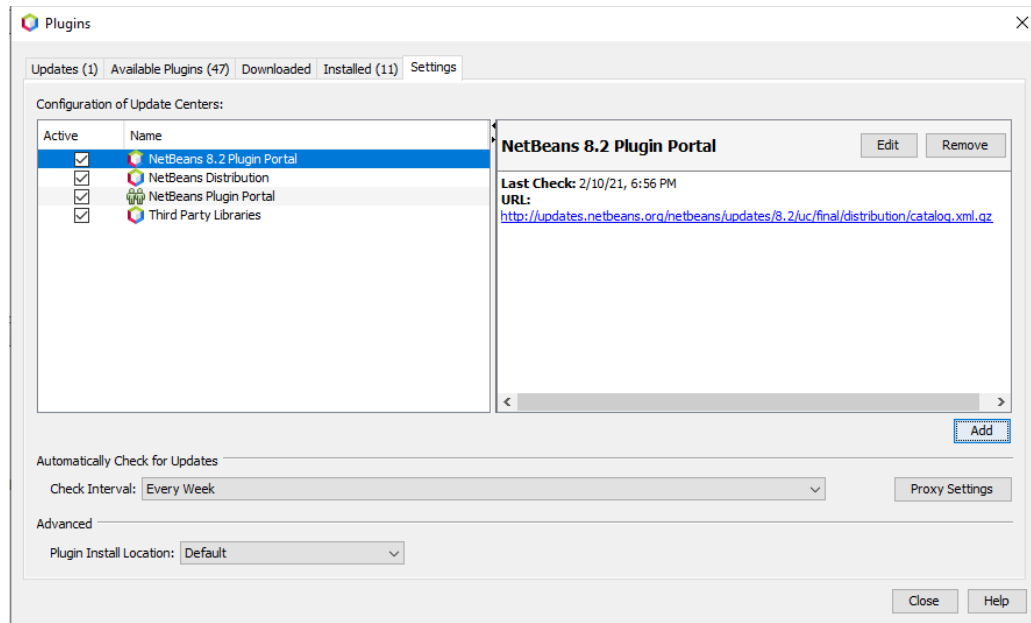
f.



Click install

Installation may take a while. After its done click **finish** or **done**, and run and test NetBeans to see if it works.

6. Install plugin to compile C/C++ projects
 - a. Go to Tools -> Plugins
 - b. Click on settings tab and make sure that NetBeans 8.2 Plugin Portal is selected



- c. If NetBeans 8.2 Plugin Portal is not available, click add button to include the repository
 - i. You can use the URL below when adding the update center:

<http://updates.netbeans.org/netbeans/updates/8.2/uc/final/distribution/catalog.xml.gz>

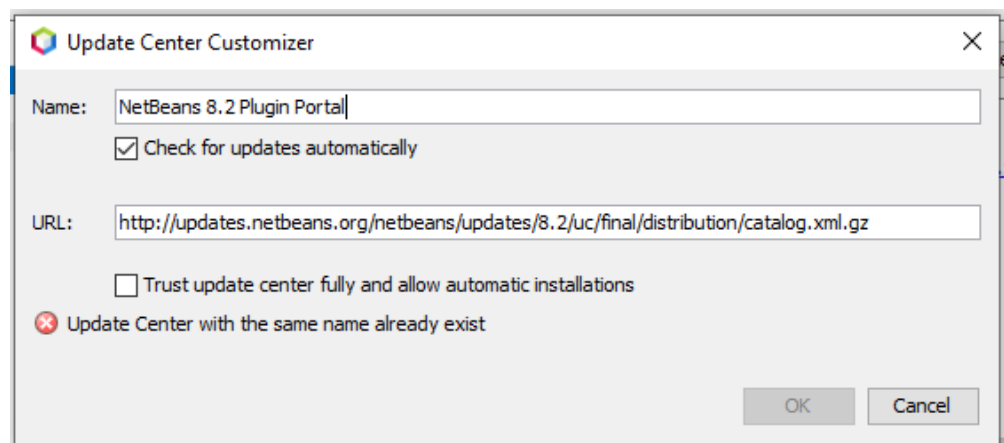
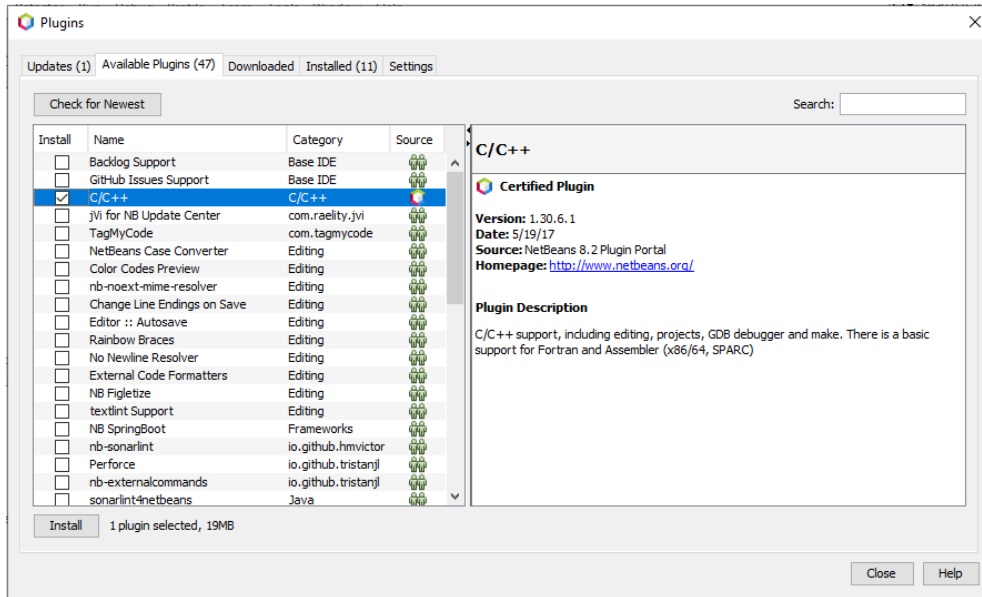
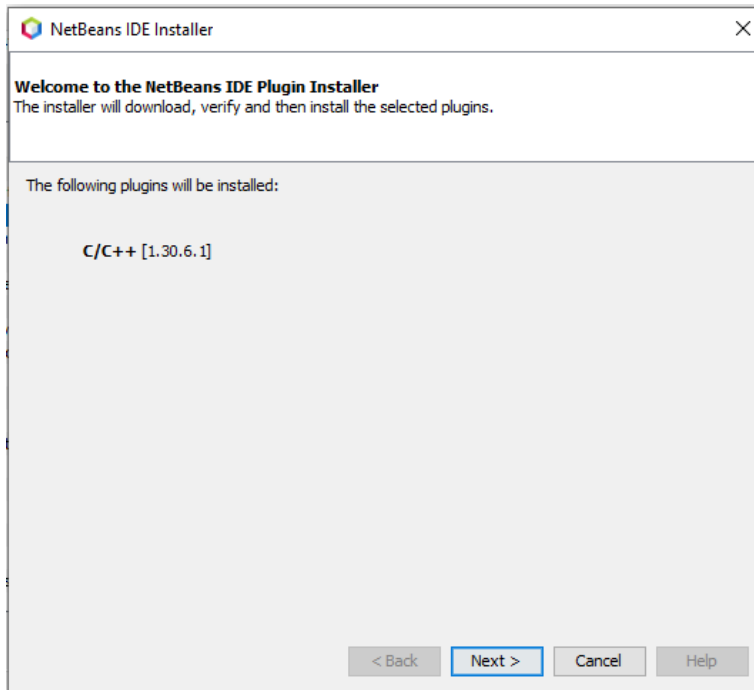


Figure 1 If you already have the Plugin Portal installed or using the same link, the message will appear

- d. Click on available Plugins tab, select C/C++, then click install
i. If the option is not in the list, click Check for Newest



- e. Click next, accept the license agreement then click install



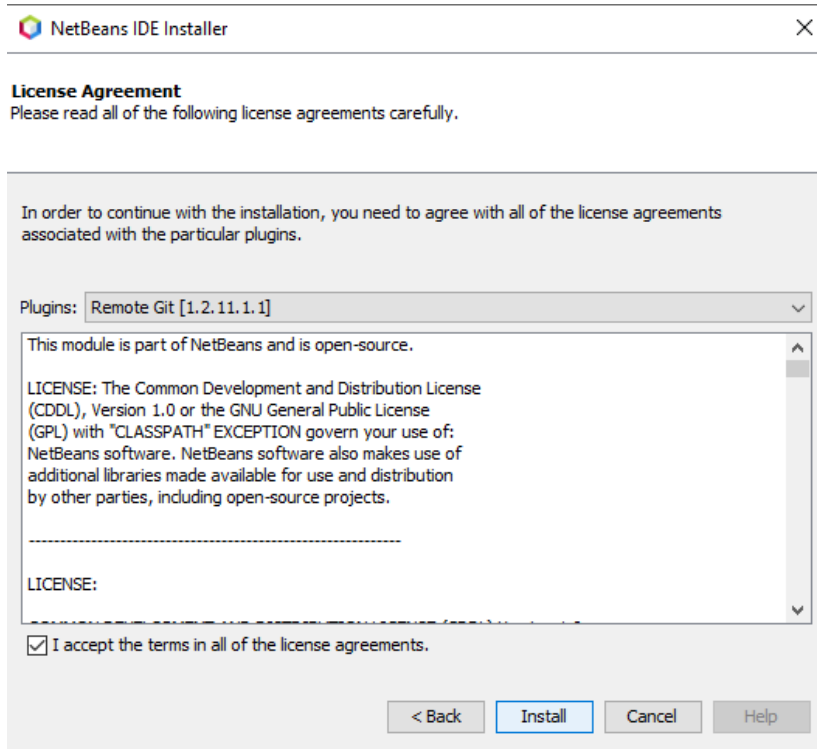


Figure 2 Accept license agreement then click install

f.

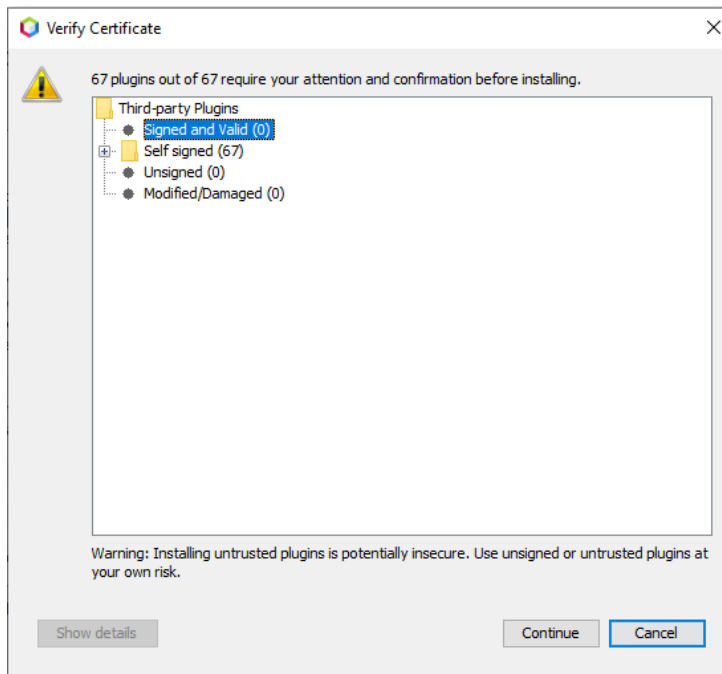
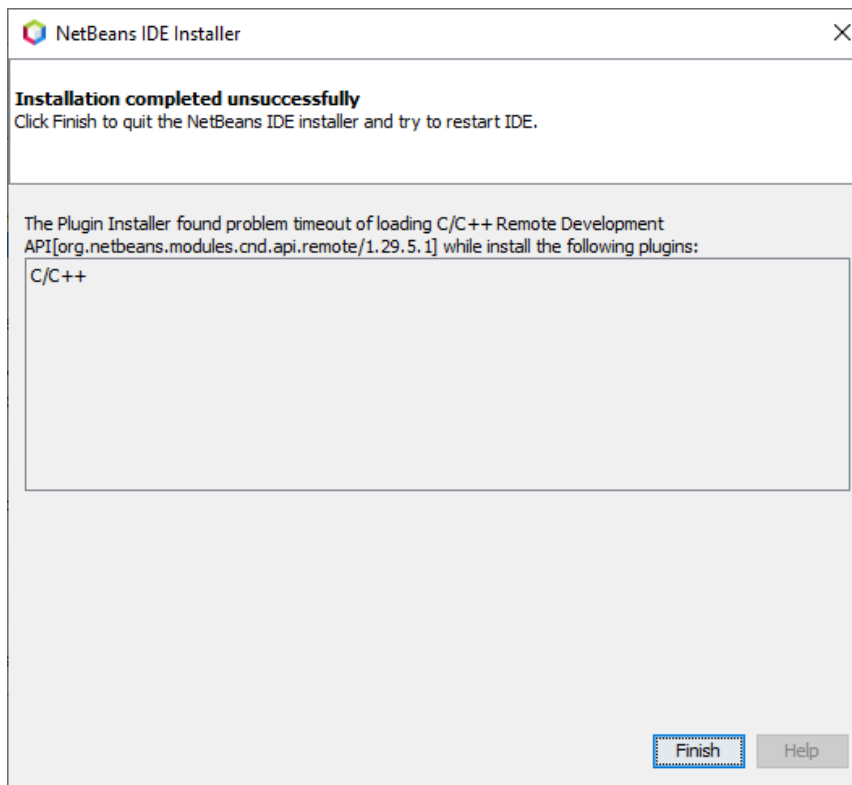


Figure 3 Click continue

g. Click finish and restart NetBeans



h. You should see C/C++ as an option to make new projects

