

# Installation

- JDK – Java Development Kit
- GIT – Code versioning
- Eclipse – IDE (Integrated Development Environment)

# JDK

- Java DEVELOPMENT Kit
- Not just the JRE that non-programmers use
- Will allow you to create and compile Java programs, rather than just run them
- There are different Java versions, we will use the newest standard Java – Java8 SE

# JDK Install

- <http://www.oracle.com/technetwork/java/javase/d>
- Accept the license agreement
- Download the correct version for your machine (probably windows-x64, i.e. Windows 64 bit)

# JDK Install

WINDOWS x64 193.08 MB JDK-8u102-WINDOWS-x64.exe

**Java SE Development Kit 8u102**

You must accept the Oracle Binary Code License Agreement for Java SE to download this software.

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Product / File Description	File Size	Download
Linux x86	160.35 MB	jdk-8u102-linux-i586.rpm
Linux x86	175.03 MB	jdk-8u102-linux-i586.tar.gz
Linux x64	158.35 MB	jdk-8u102-linux-x64.rpm
Linux x64	173.03 MB	jdk-8u102-linux-x64.tar.gz
Mac OS X	227.35 MB	jdk-8u102-macosx-x64.dmg
Solaris SPARC 64-bit	139.59 MB	jdk-8u102-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	98.98 MB	jdk-8u102-solaris-sparcv9.tar.gz
Solaris x64	140.02 MB	jdk-8u102-solaris-x64.tar.Z
Solaris x64	96.24 MB	jdk-8u102-solaris-x64.tar.gz
Windows x86	189.2 MB	jdk-8u102-windows-i586.exe
Windows x64	194.68 MB	jdk-8u102-windows-x64.exe



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WINDOWS x64 193.08 MB JDK-8u102-WINDOWS-x64.exe

## Java SE Development Kit 8u102

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Mac OS X	227.35 MB	jdk-8u102-macosx-x64.dmg
Solaris SPARC 64-bit	139.59 MB	jdk-8u102-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	98.98 MB	jdk-8u102-solaris-sparcv9.tar.gz
Solaris x64	140.02 MB	jdk-8u102-solaris-x64.tar.Z
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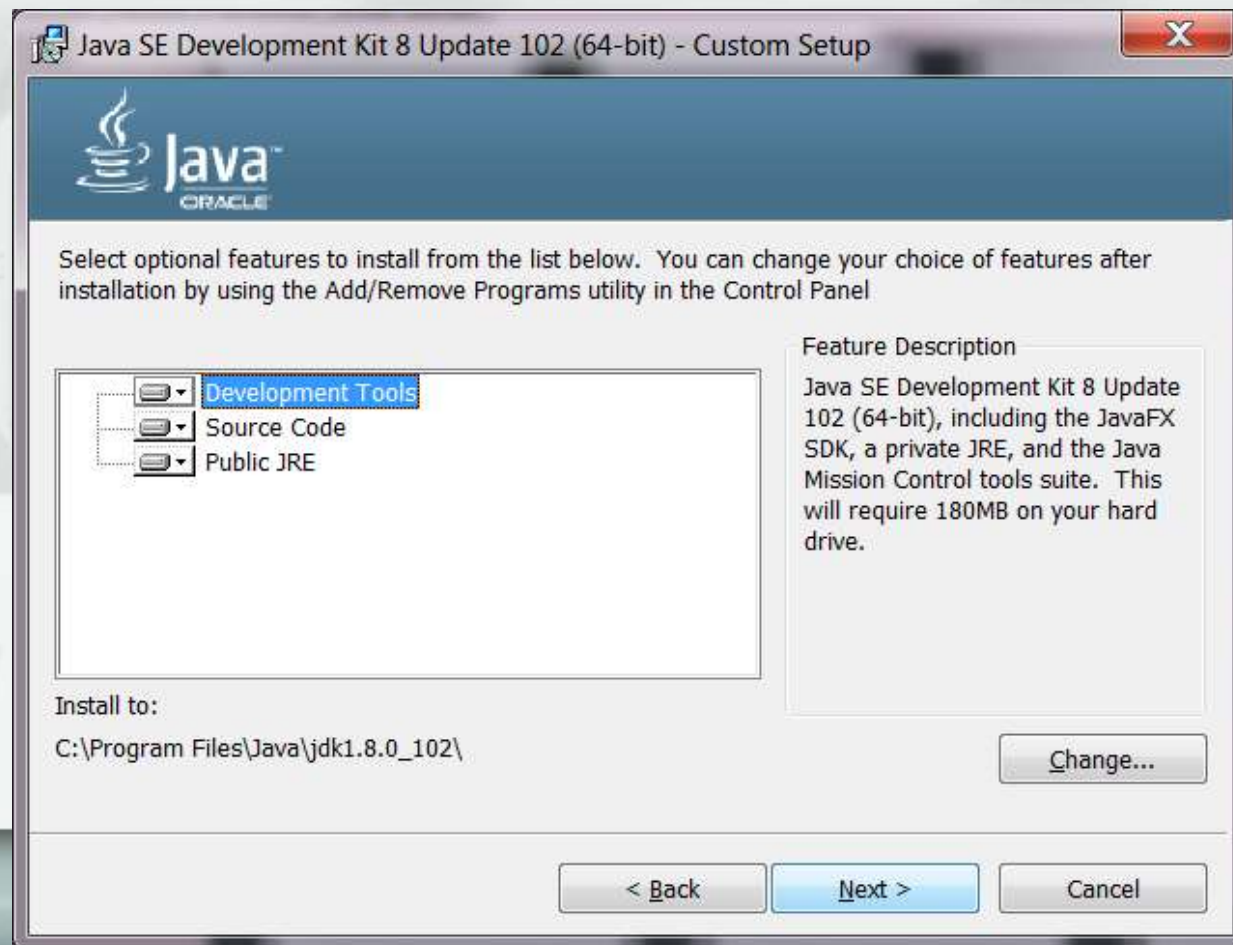
# JDK Install

- Run the program, and
- Click “Next >”



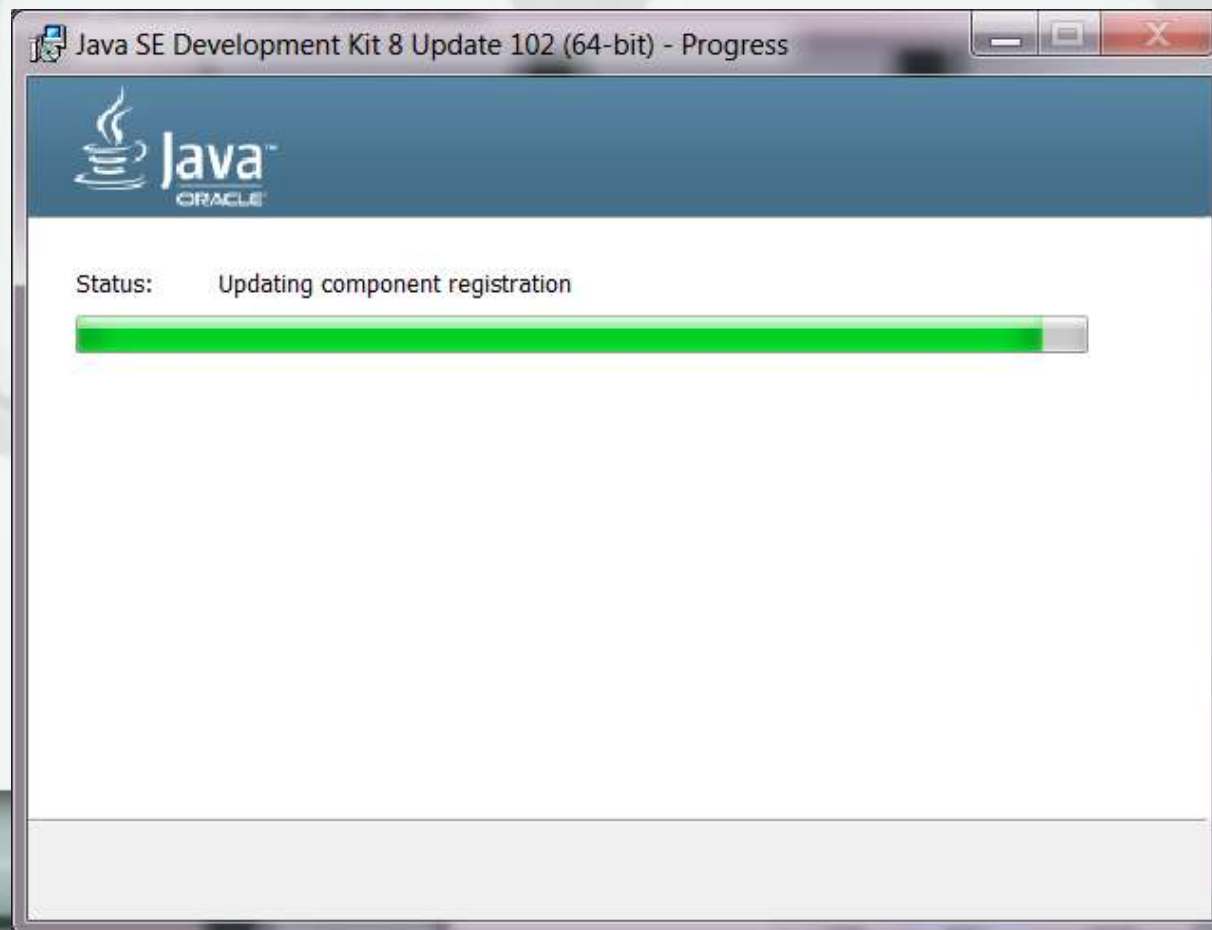
# JDK Install

- Click “Next >”



# JDK Install

- Wait about 30 seconds





# JDK Install

- Click “Next >”



# JDK Install

- Become the 3,000,000,001 install



# JDK Install

- Click “Close”



# GIT

- Will allow you to share code
- You will **BRANCH** the current code
- Make your changes
- **COMMIT** your code to GIT (which will be a new version of the code)
- Then **PUSH** the code to a shared server for other to access



# GIT Install

- <https://git-scm.com/download/win>

## Downloading Git



### Your download is starting...

You are downloading the latest (**2.9.2**) **64-bit** version of **Git for Windows**. This is the most recent **maintained build**. It was released **21 days ago**, on 2016-07-16.

If your download hasn't started, [click here to download manually](#).

### Other Git for Windows downloads

Git for Windows Setup

**32-bit Git for Windows Setup.**

**64-bit Git for Windows Setup.**

Git for Windows Portable ("thumbdrive edition")

**32-bit Git for Windows Portable.**

**64-bit Git for Windows Portable.**

The current source code release is version **2.9.2**. If you want the newer version, you can build it from [the source code](#).

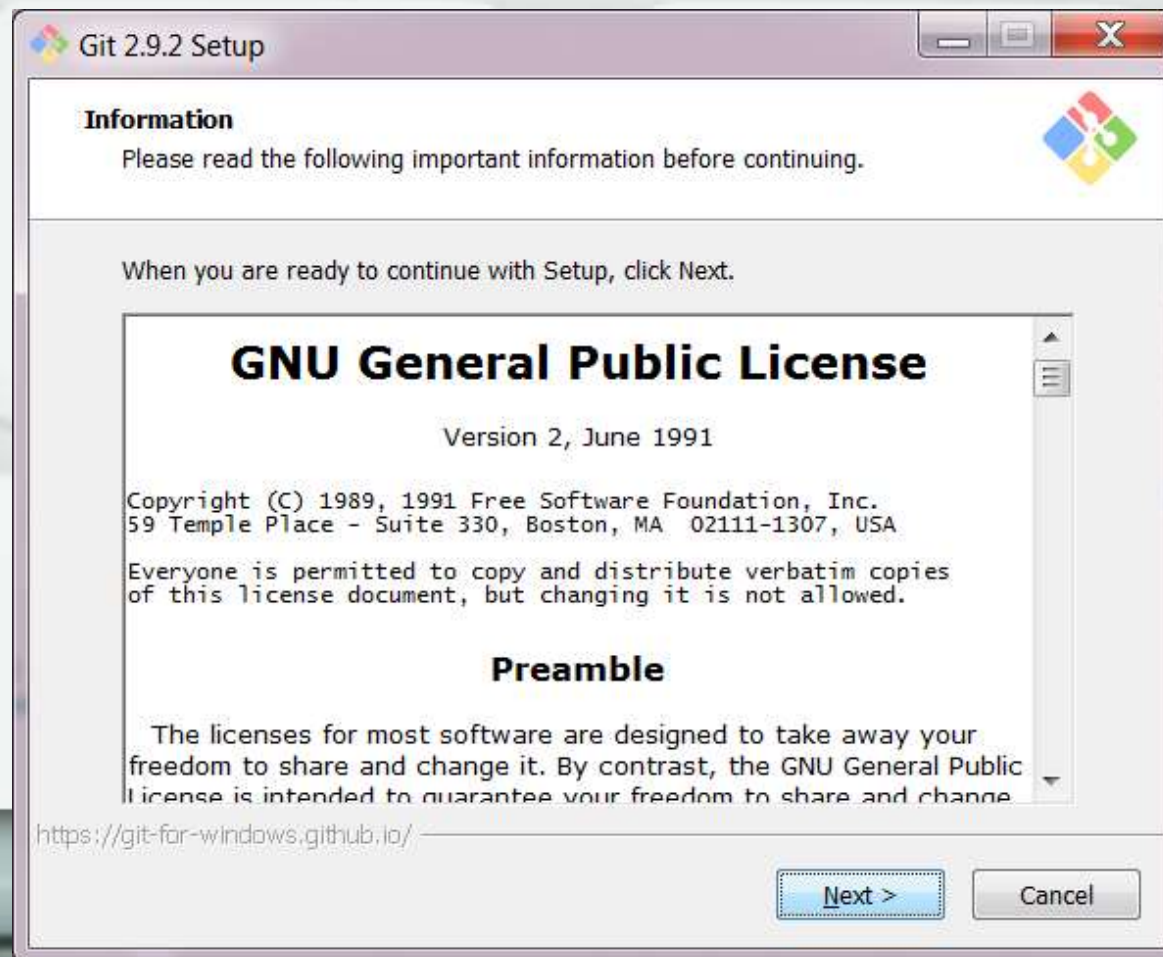
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- Click “Run”



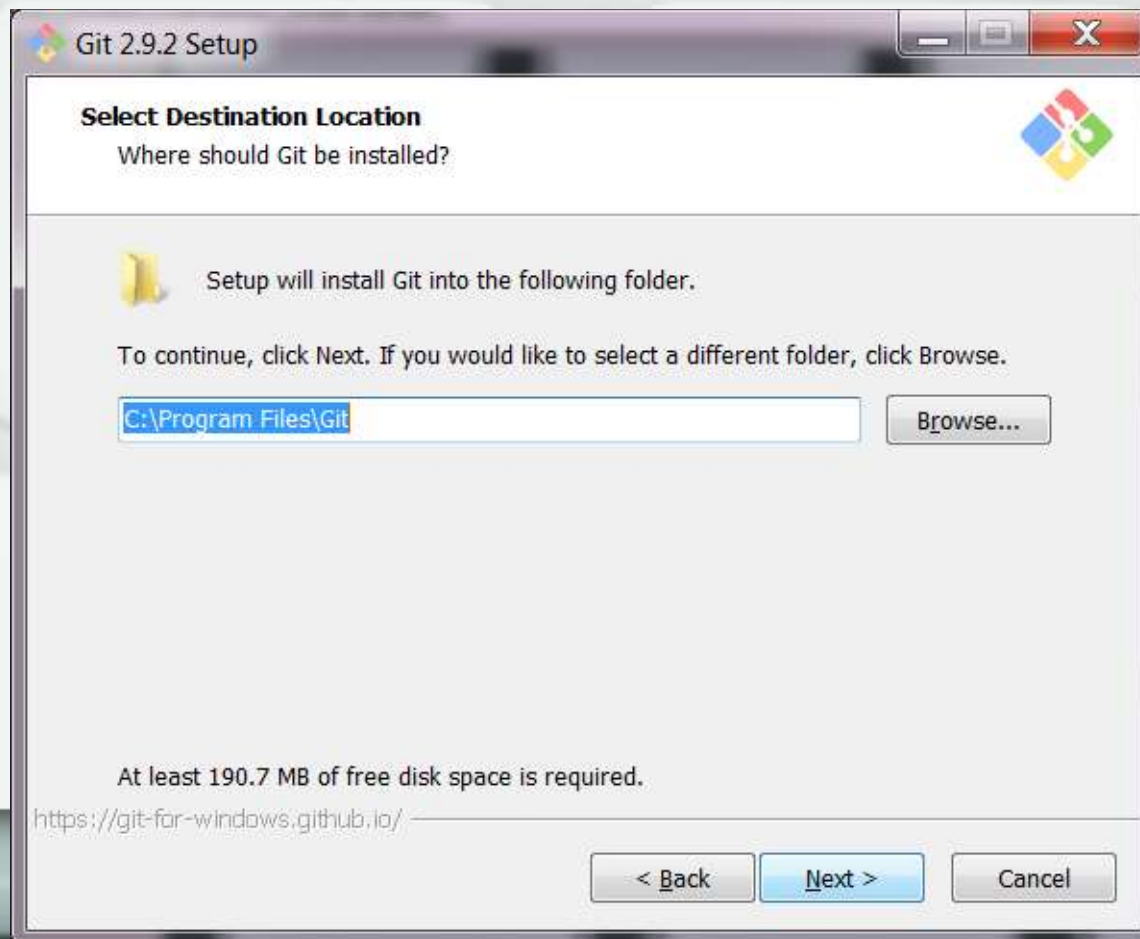
# GIT Install

- Click “Next >”



# GIT Install

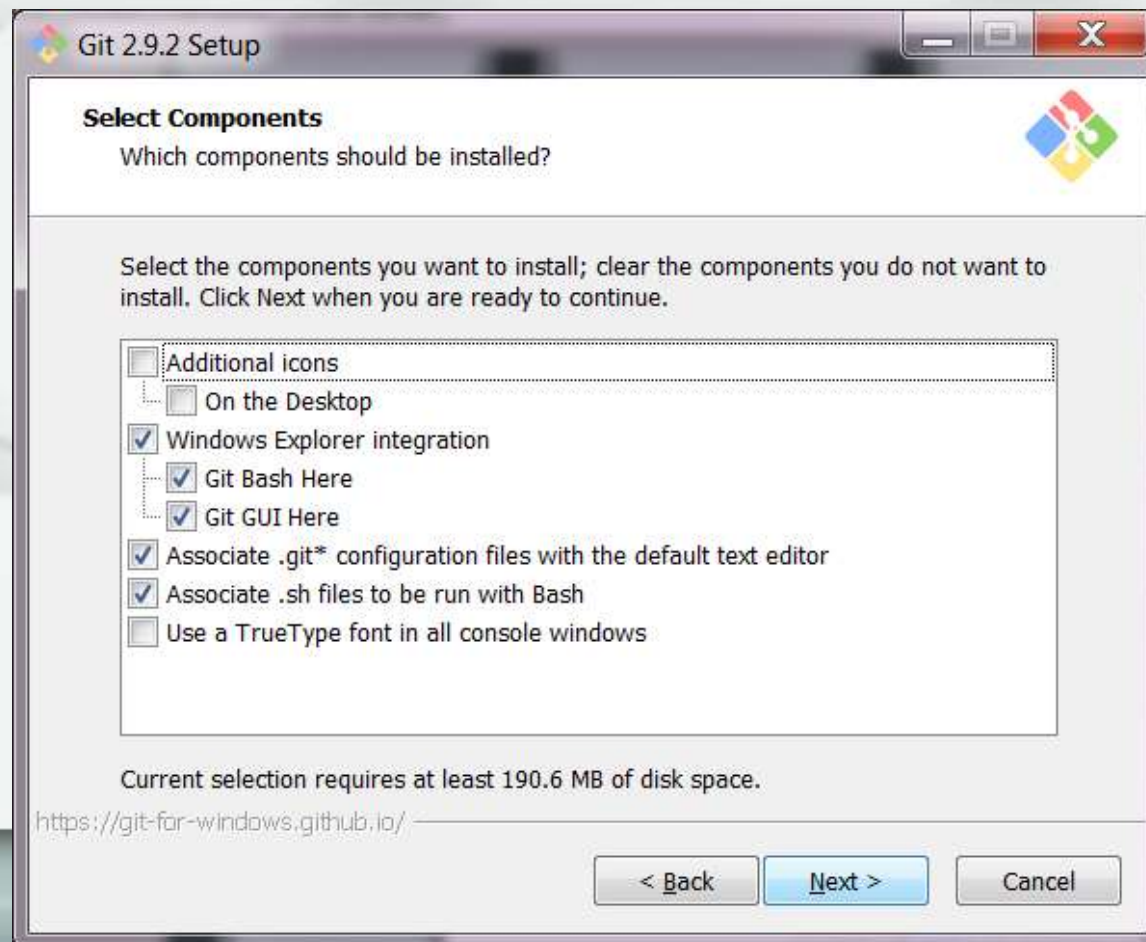
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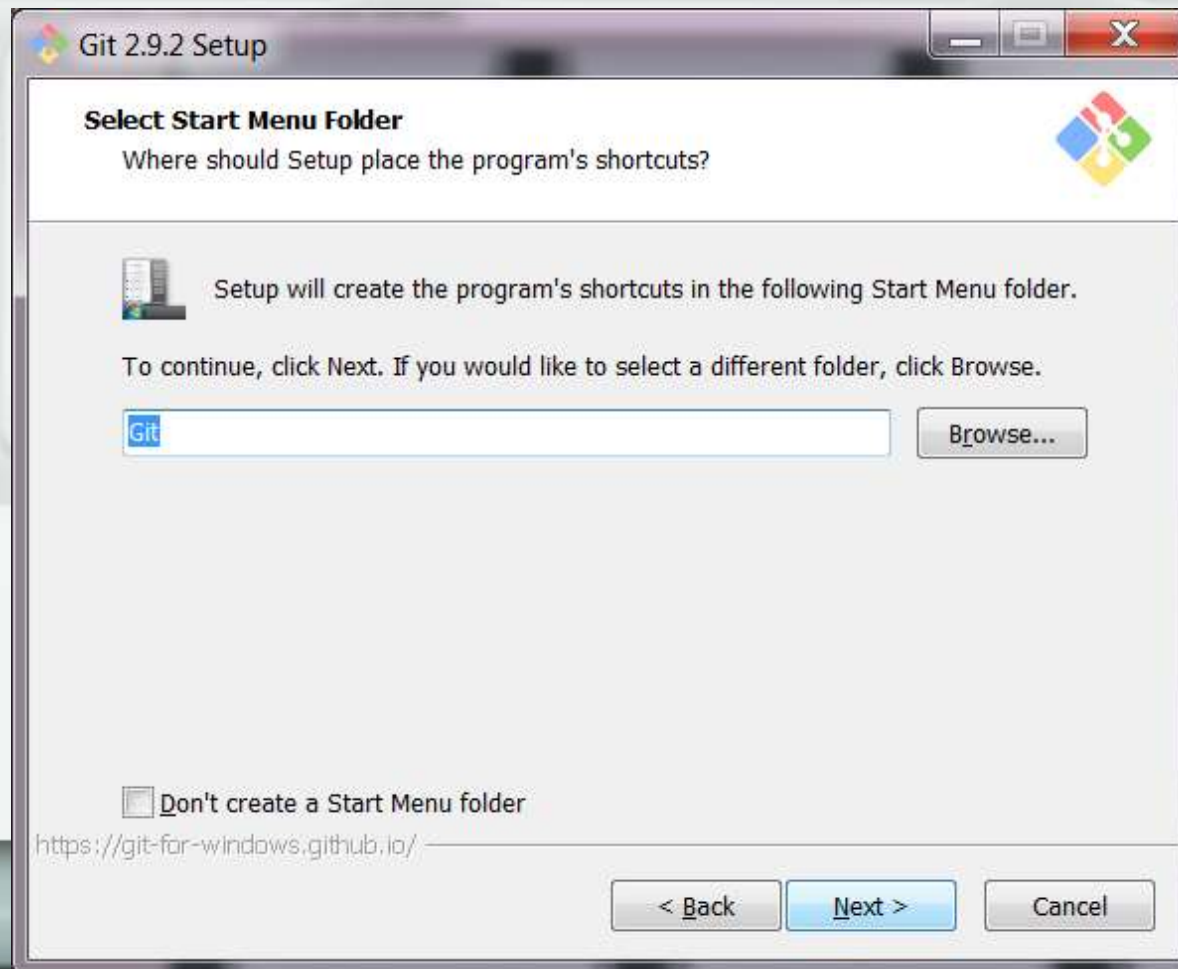
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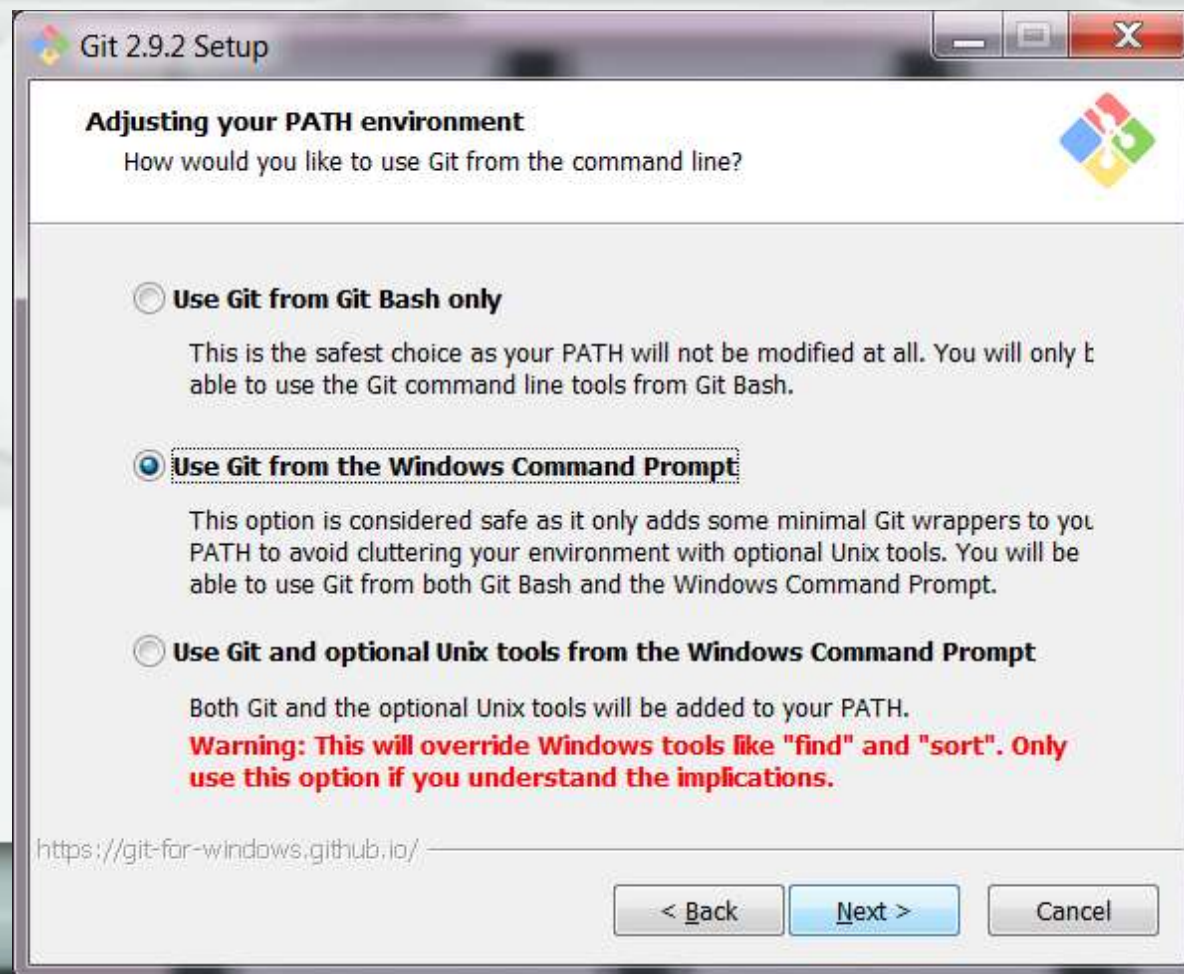
# GIT Install

- Click “Next >”



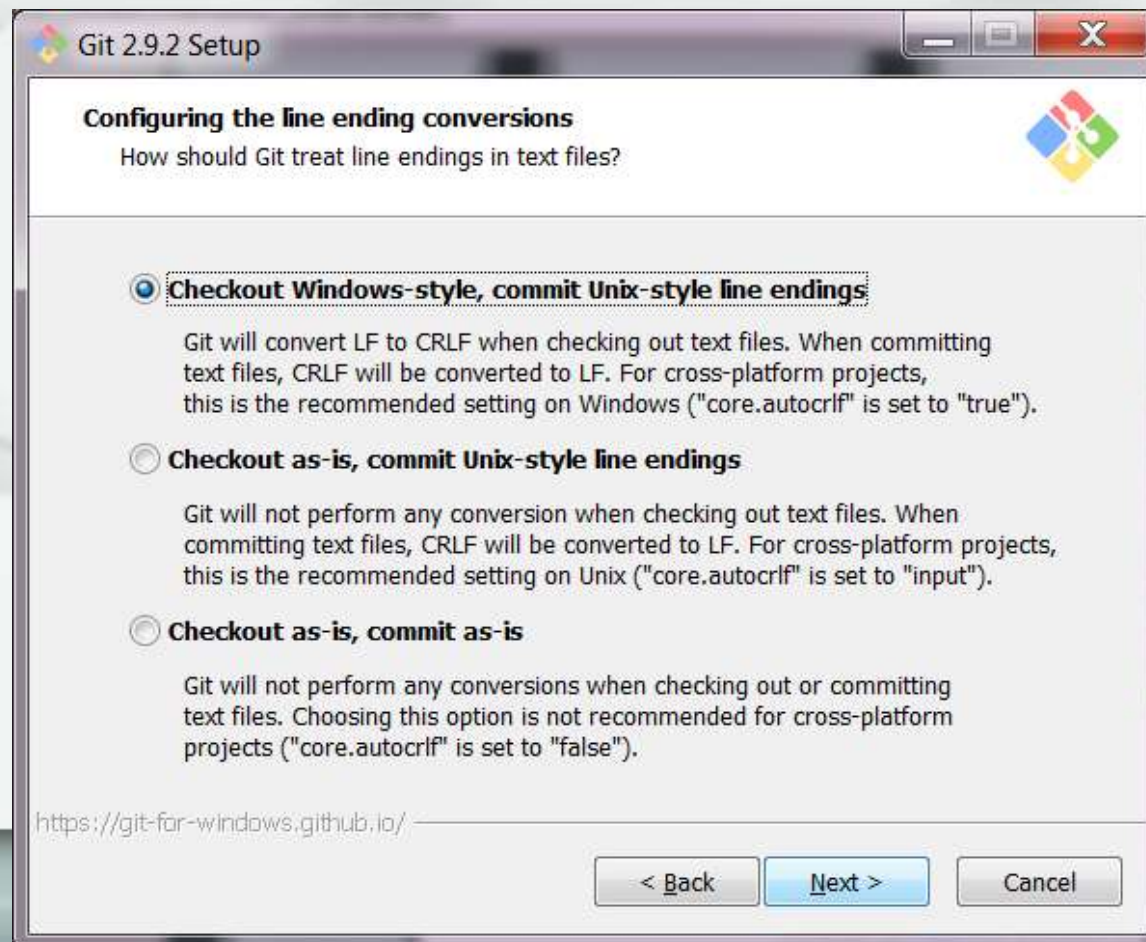
# GIT Install

- Click “Next >”



# GIT Install

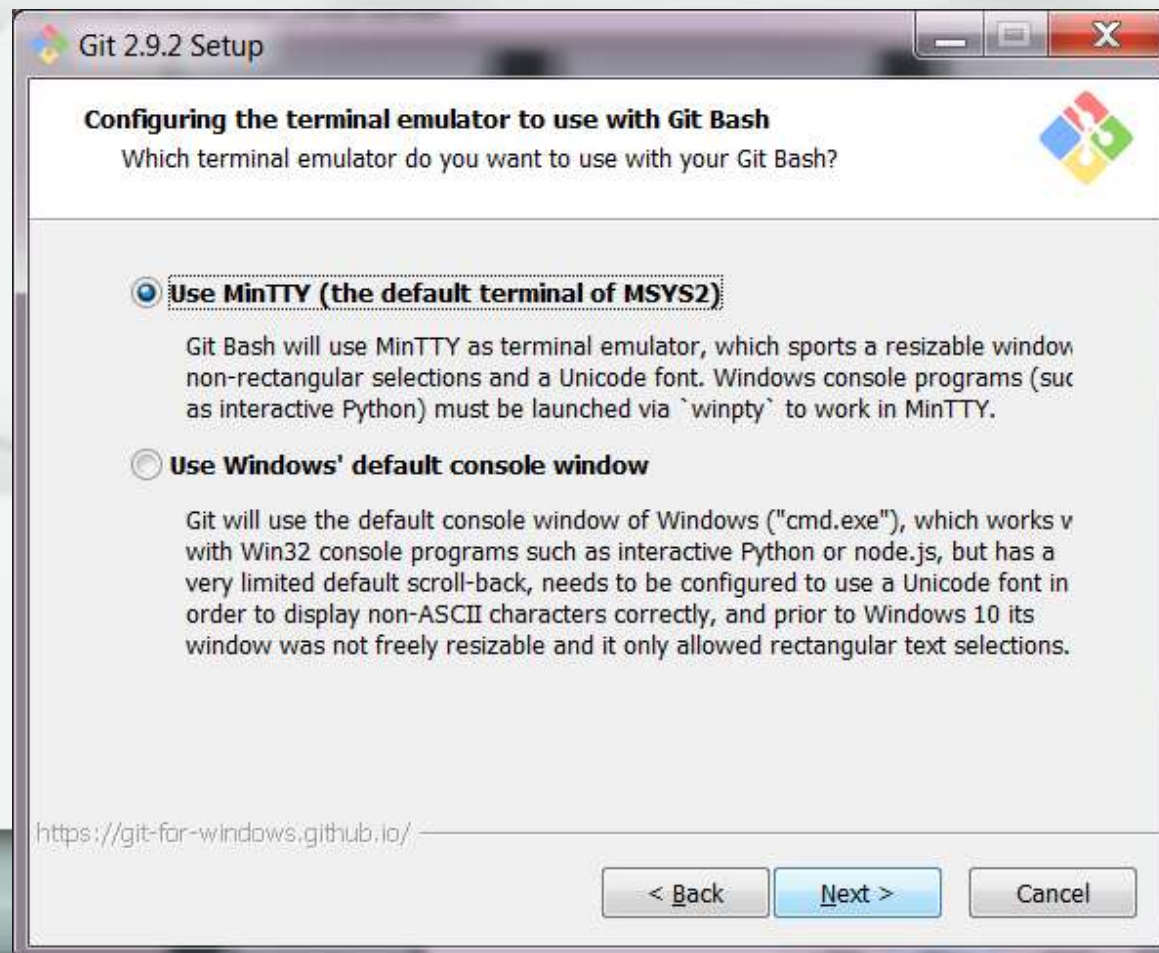
- Click “Next >”





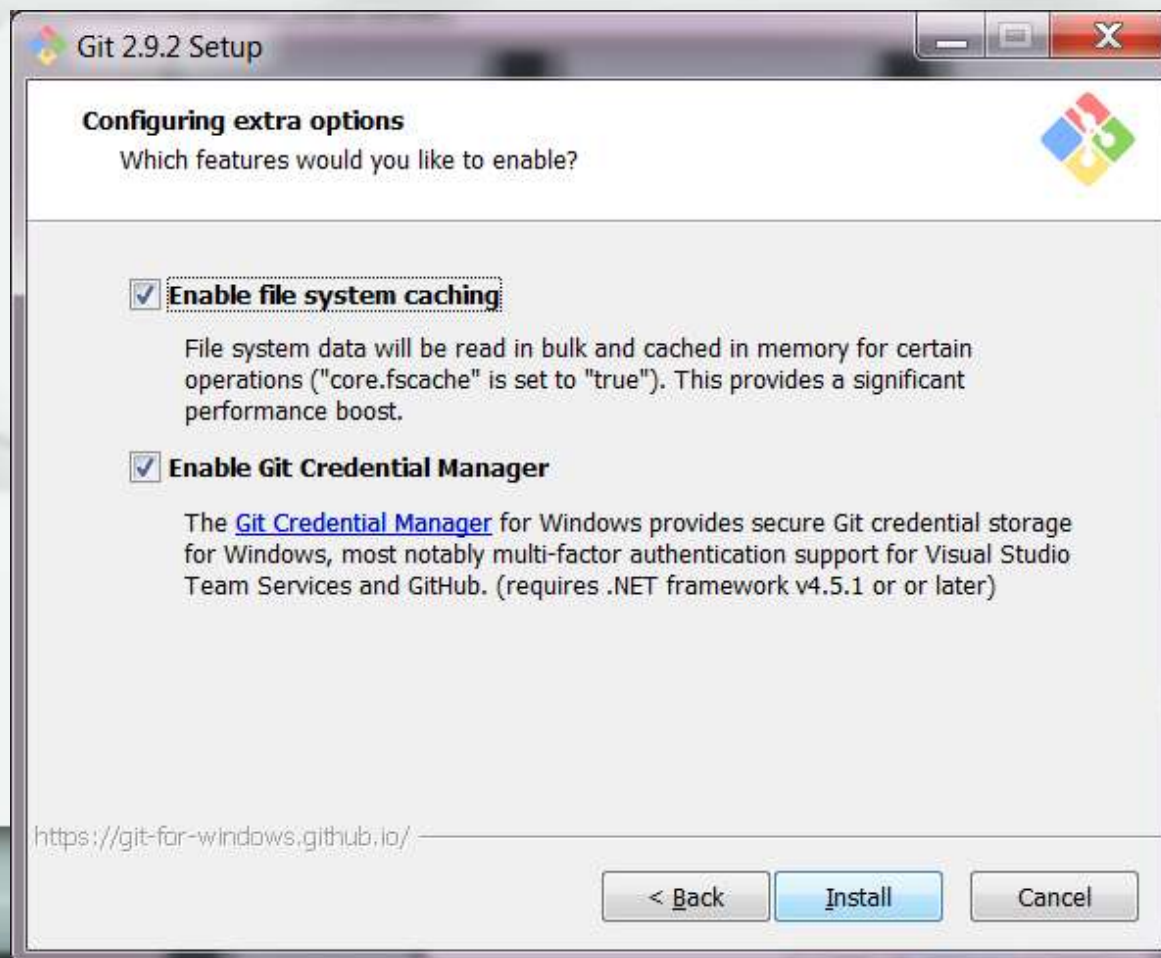
# GIT Install

- Click “Next >”



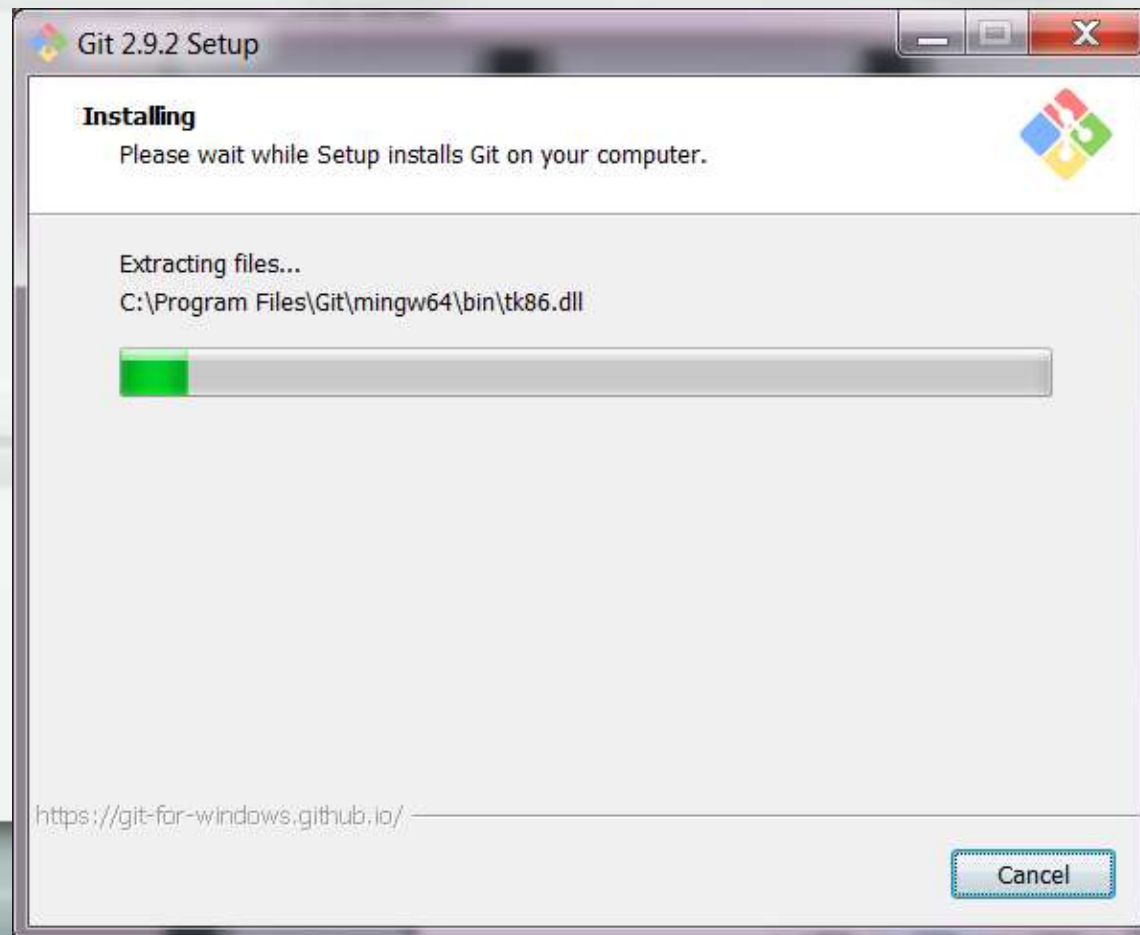
# GIT Install

- Click “Install”



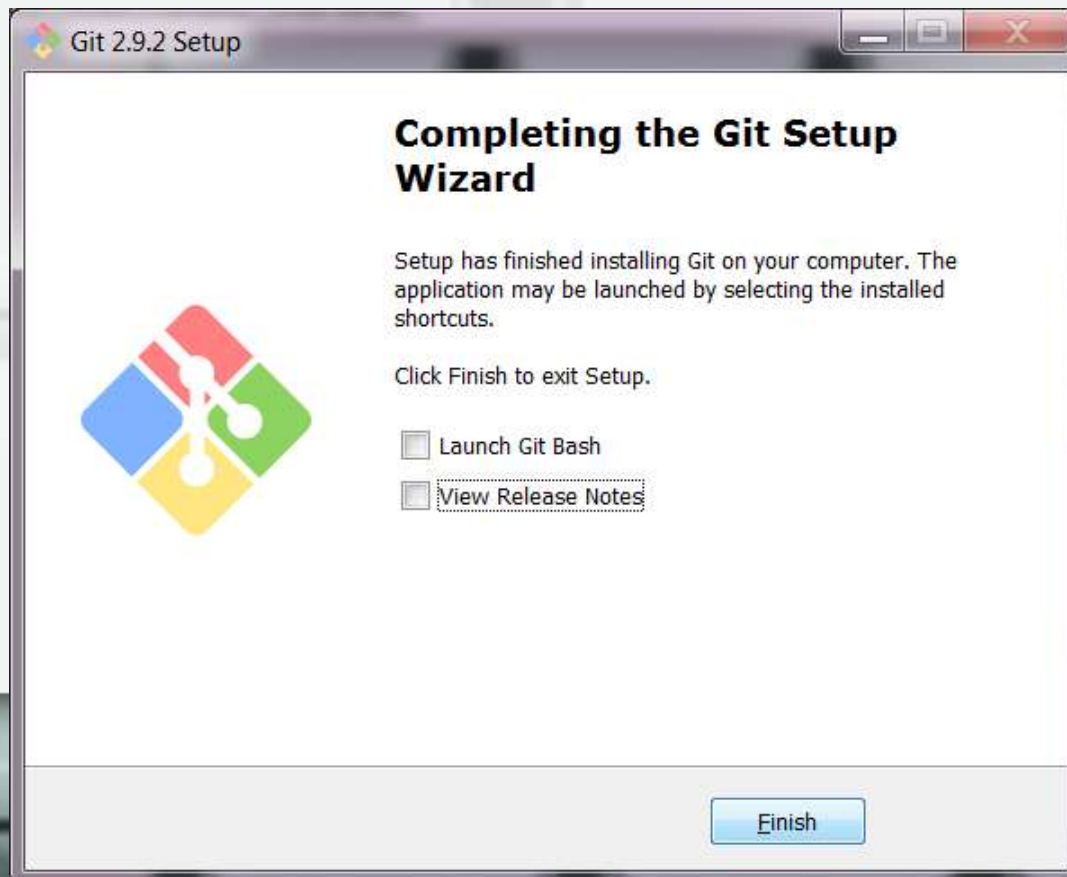
# GIT Install

- Wait about 30 seconds



# GIT Install

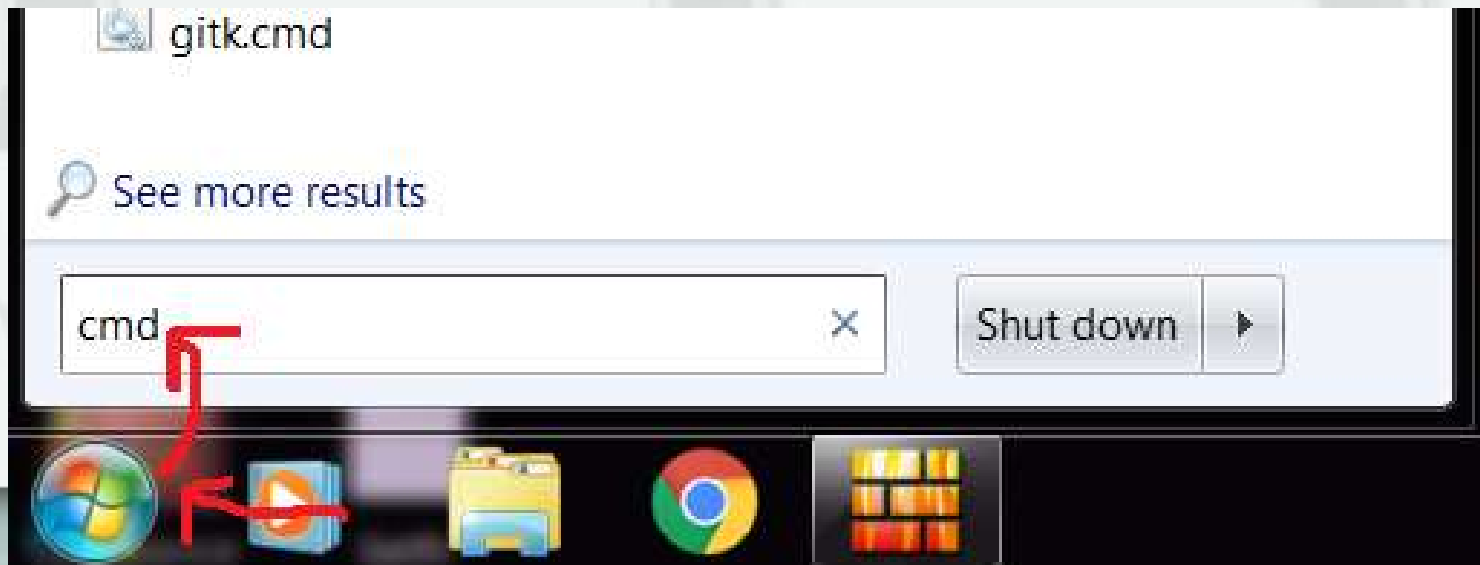
- Uncheck “View Release Notes”
- Click “Finish”





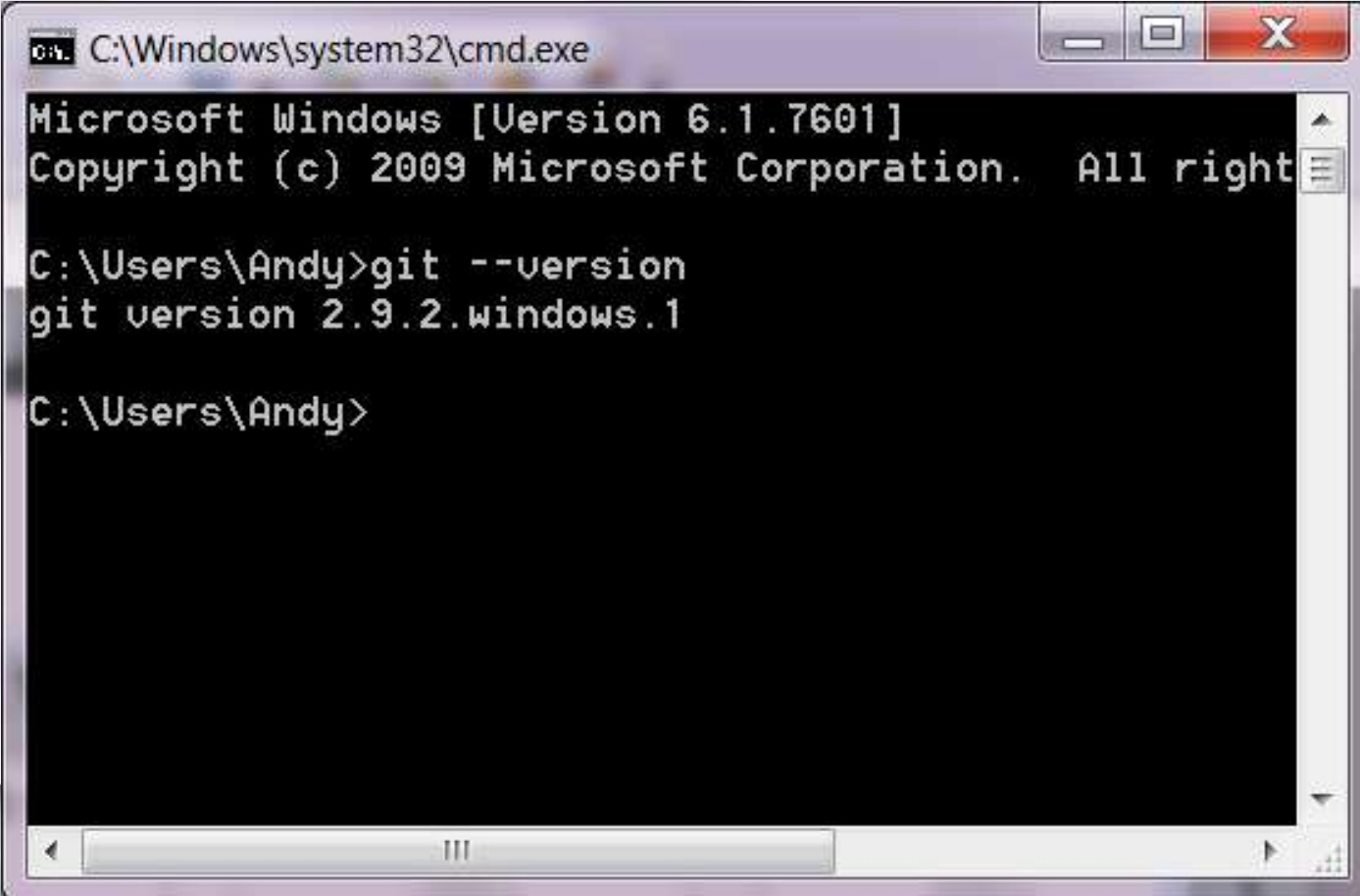
# GIT Install

- Click Window's Start button
- Then enter “cmd” and press Enter



# GIT Install

- Type “git --version” and press Enter

A screenshot of a Windows command prompt window. The title bar at the top reads 'C:\Windows\system32\cmd.exe'. The window contains the following text: 'Microsoft Windows [Version 6.1.7601]', 'Copyright (c) 2009 Microsoft Corporation. All rights reserved.', 'C:\Users\Andy>git --version', 'git version 2.9.2.windows.1', and 'C:\Users\Andy>'. The window has standard Windows window controls (minimize, maximize, close) in the top right corner and a scrollbar on the right side.

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Andy>git --version
git version 2.9.2.windows.1

C:\Users\Andy>
```

# Eclipse

- A free IDE – Integrated Development Environment
- All of the tools you need to develop computer programs in one package
- Much easier than developing in Notepad
- <https://www.eclipse.org/downloads/eclipse-packages/>

# Eclipse Install

- Download Eclipse IDE for Java EE Developers (that's you now)

The screenshot shows a web browser window with the URL <https://www.eclipse.org/downloads/eclipse-packages/>. The page features a dark blue banner at the top with the text "The easiest way to install and update your Eclipse Development Environment." and a link to "Find out more" with a download icon and "1,703,712 Downloads". Below the banner, there are two main sections. The first section is titled "Eclipse IDE for Java EE Developers" and includes a download icon, the text "Windows 32 bit | 64 bit", and a "Download" button. This section is circled in red. The second section is titled "Eclipse IDE for Java Developers" and includes a download icon, the text "Windows 32 bit | 64 bit", and a "Download" button.

Development x Eclipse Downloads x

<https://www.eclipse.org/downloads/eclipse-packages/>

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Try the Eclipse Installer

The easiest way to install and update your Eclipse Development Environment.

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**Eclipse IDE for Java Developers**

160 MB 221,966 DOWNLOADS

The essential tools for any Java developer, including a Java IDE, a Git client.

Windows  
32 bit | 64 bit

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# Eclipse Install

- Download



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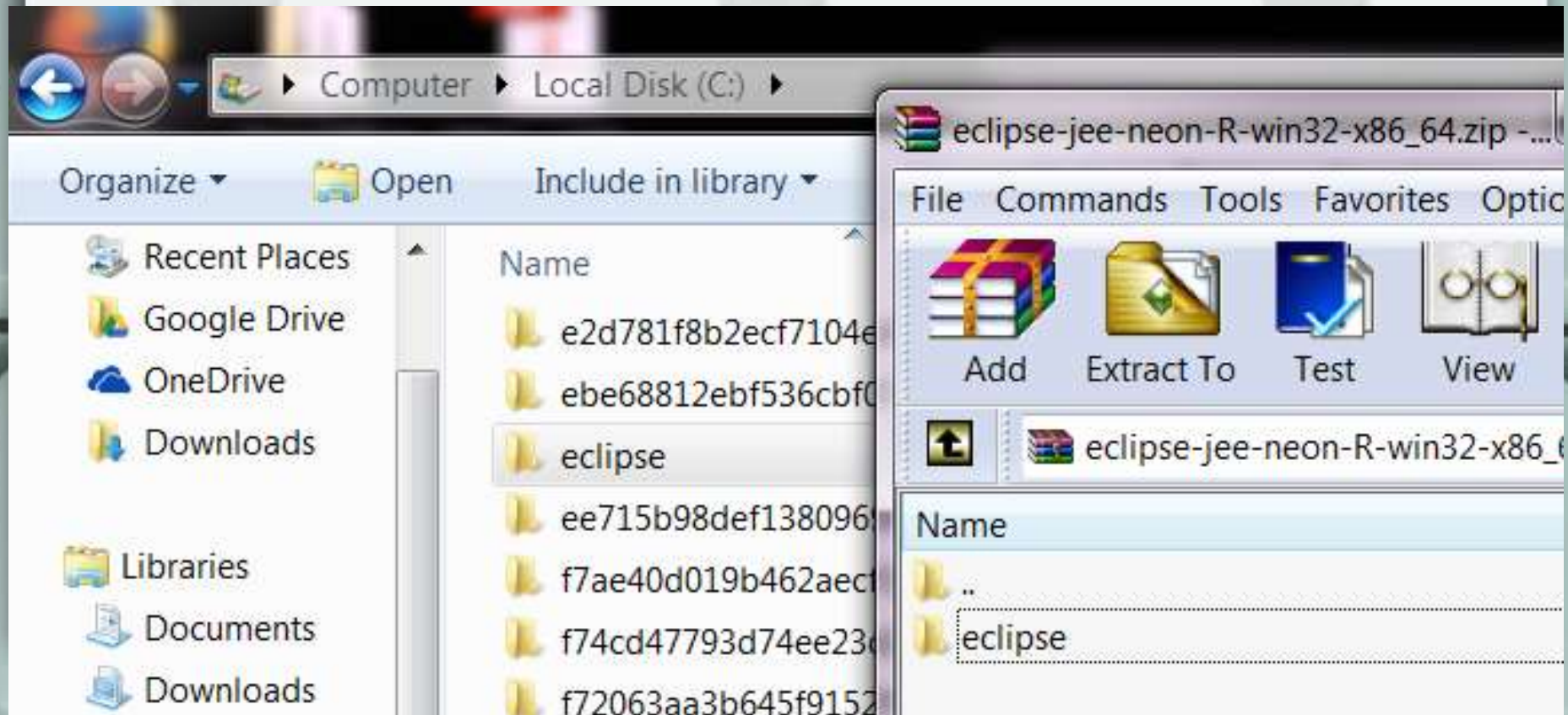
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**File:** [eclipse-jee-neon-R-win32-x86\\_64.zip](#) SHA-512

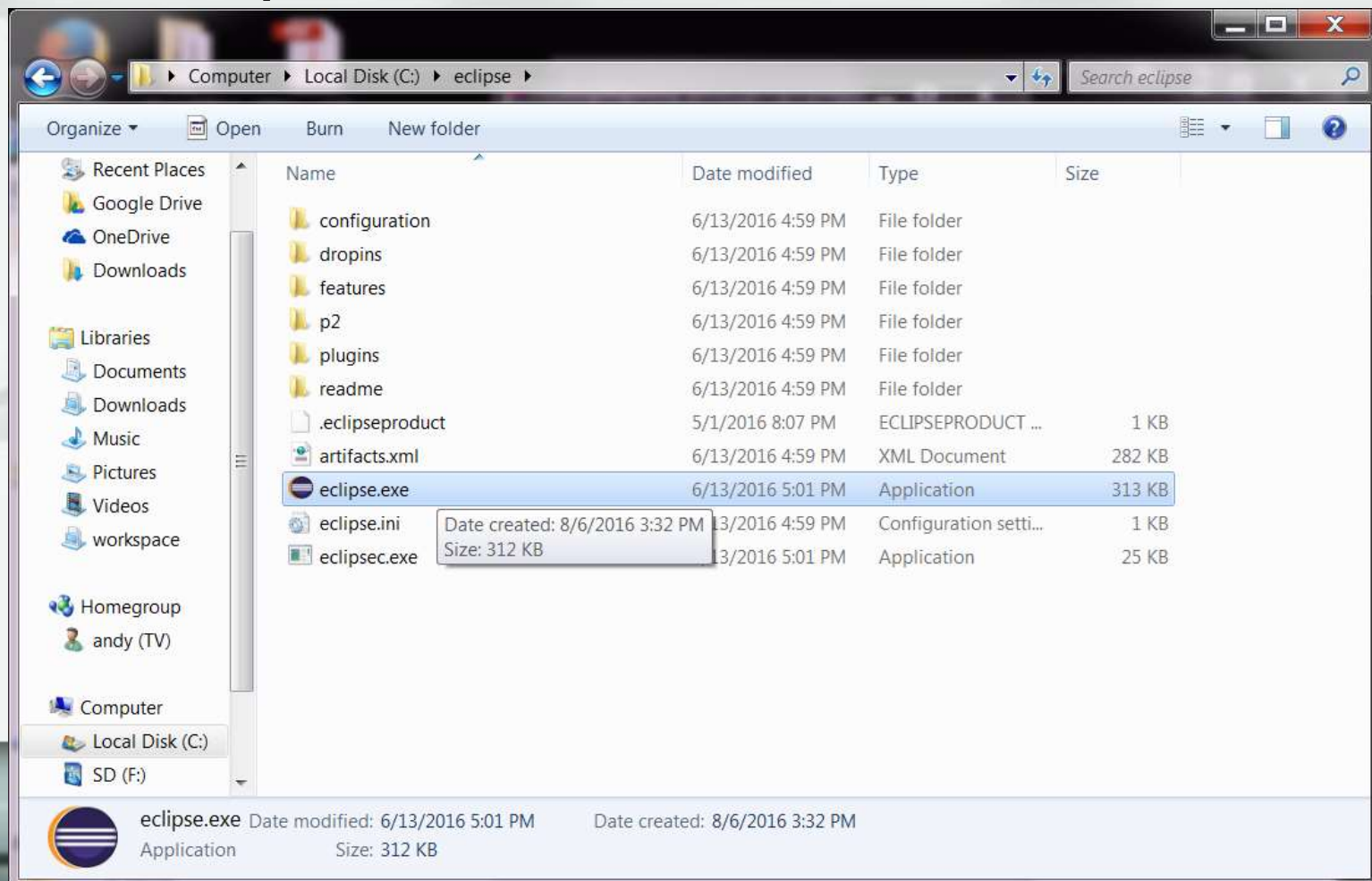
# Eclipse Install

- Open the zip and extract it to c:



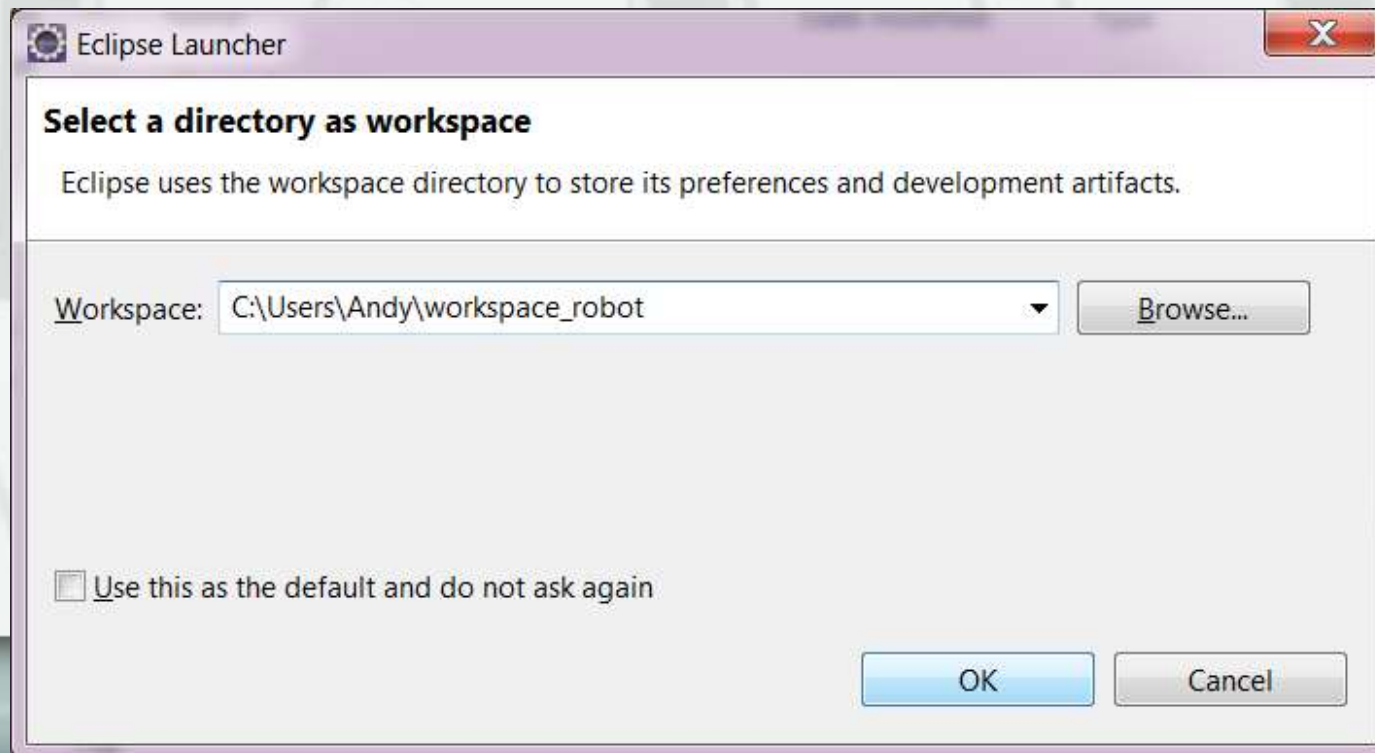
# Eclipse Install

- Run eclipse.exe



# Eclipse Install

- Chose the directory where you want Eclipse to save your Java files and click “OK”





# Ready To Go!

