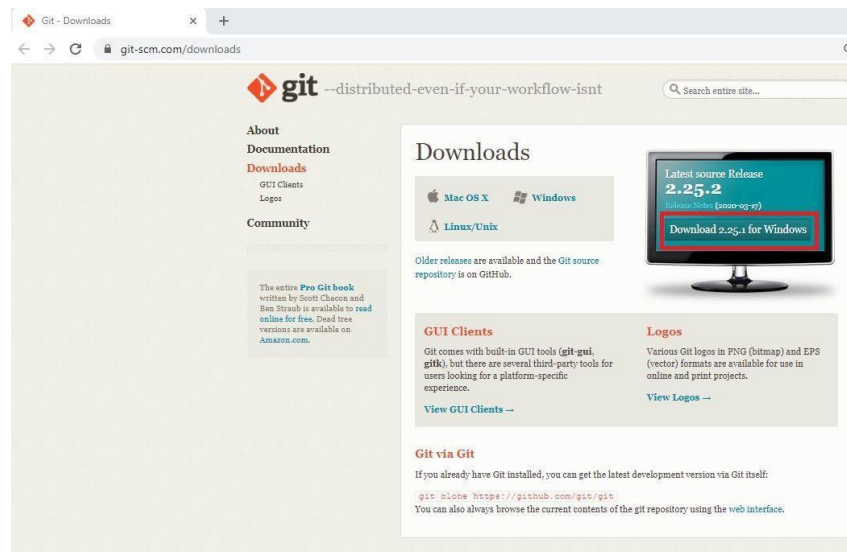# Git Installation Guide

1. Git Installation

● Install Git on Windows OS
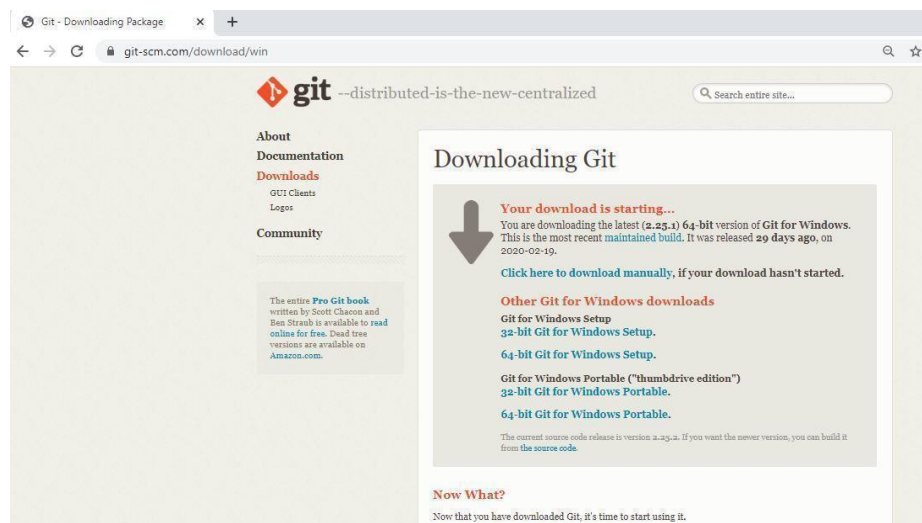
To install Git on Windows you need to download the installer from the Git website.

Git website URL: https://git-scm.com/downloads

Step 1: Download the latest version by double clicking on the package name:

Step 2: You will be redirected to a new page and your download will be started automatically.
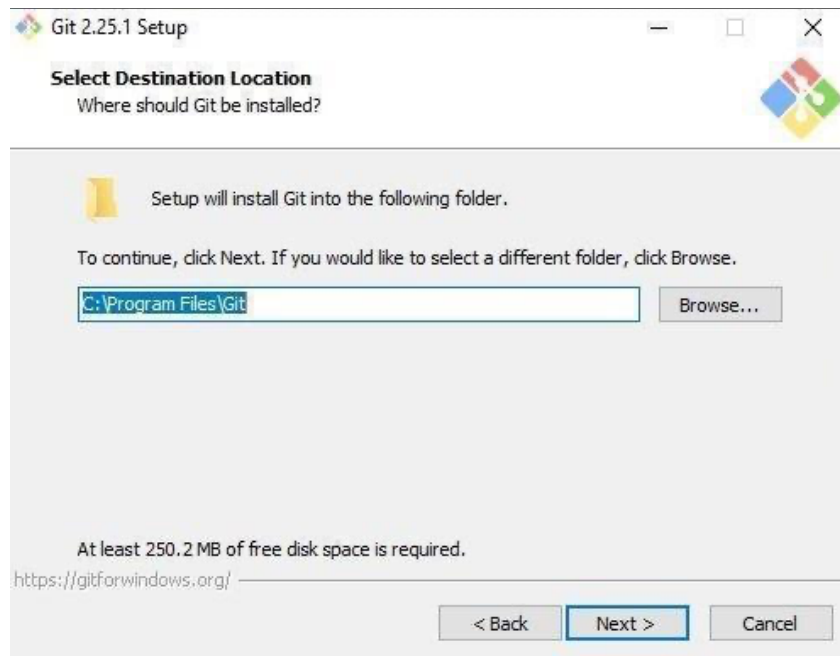

Step 3: Run the installation file with Administrator rights and click '**Yes**' to continue.
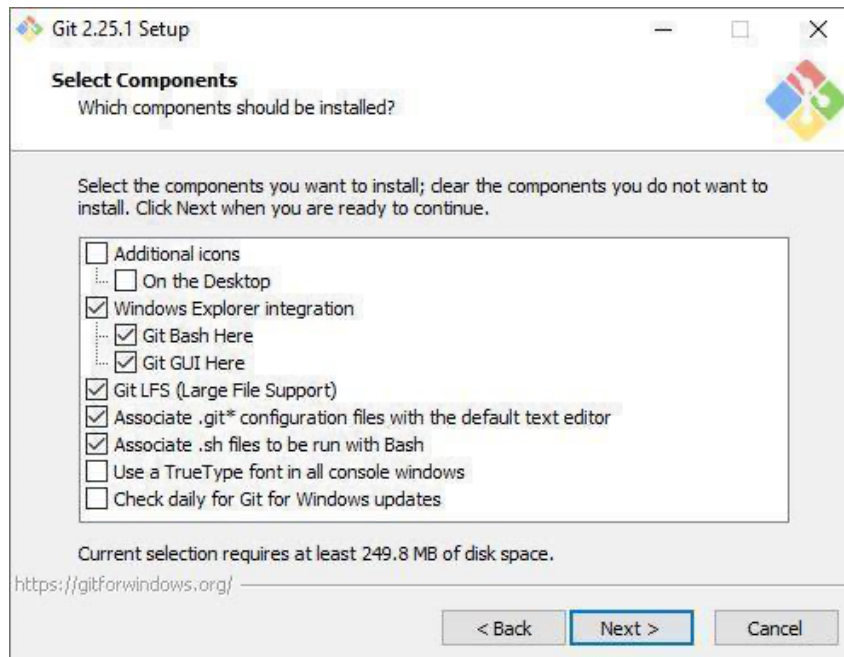
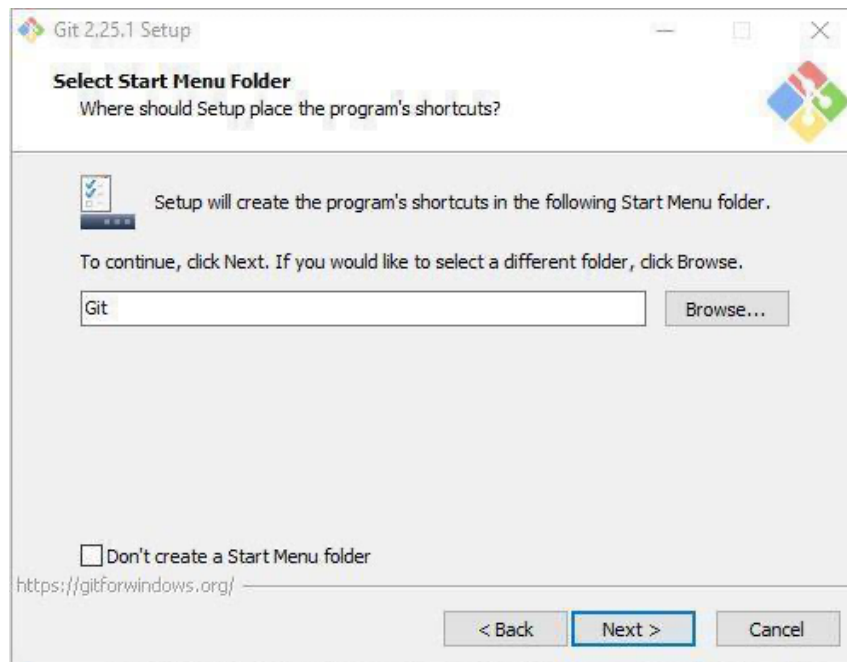**Step 4:** Click **Next** to continue.

Step 5: If you need to change the installation folder, click **Browse** and select a new location. To accept the default location click on **Next**:
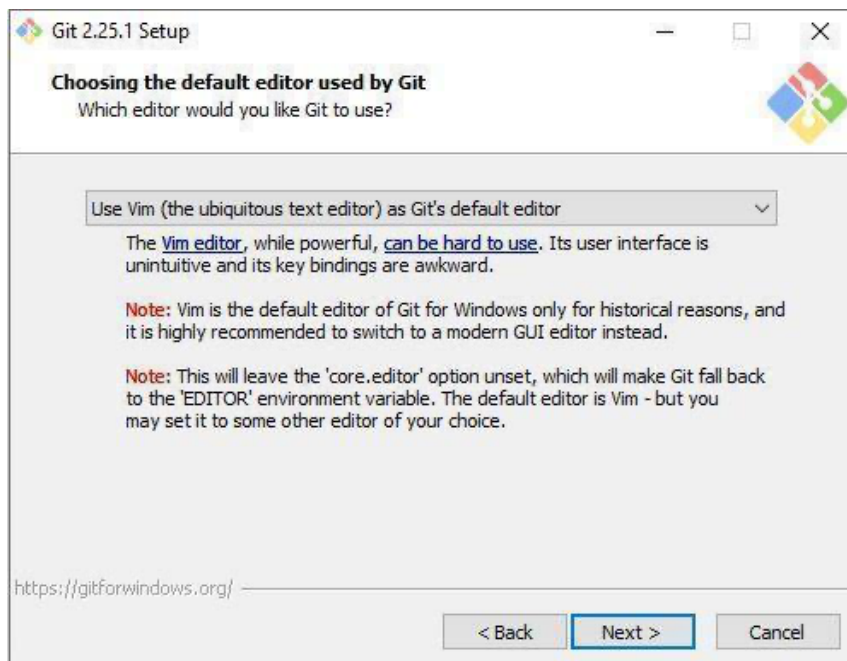
Step 6: To accept the default components to be installed click **Next**.
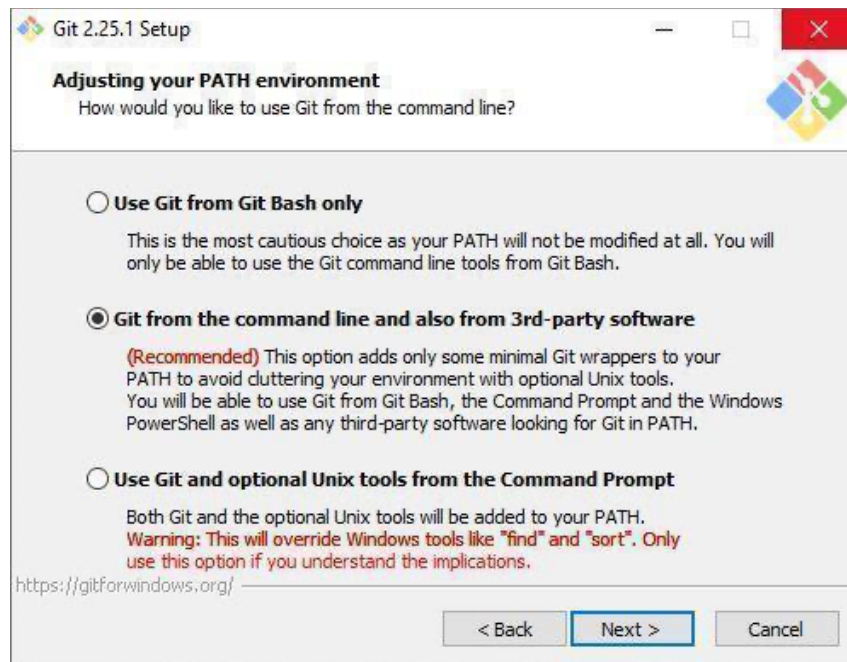

Step 7: Accept the default Start Menu folder by clicking **Next**.
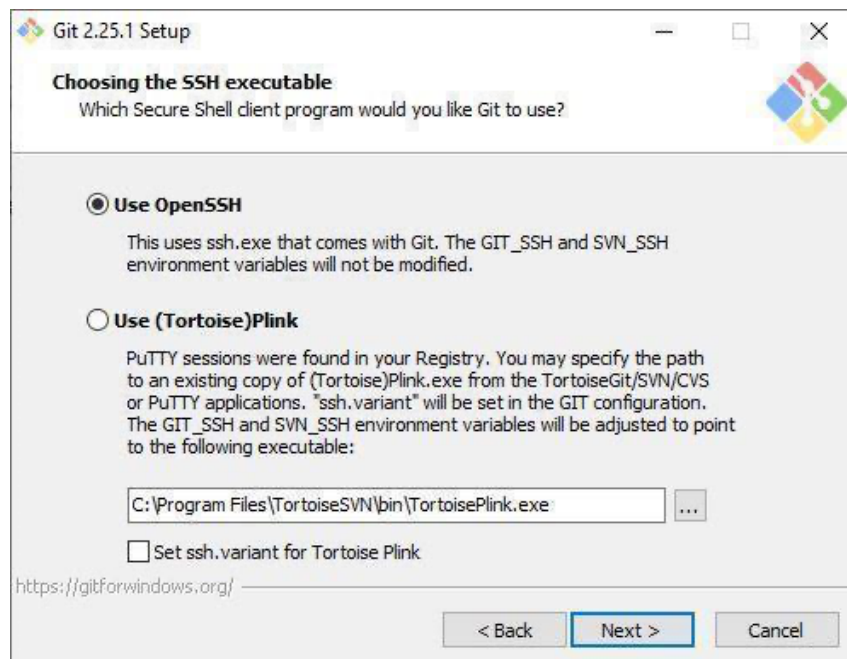
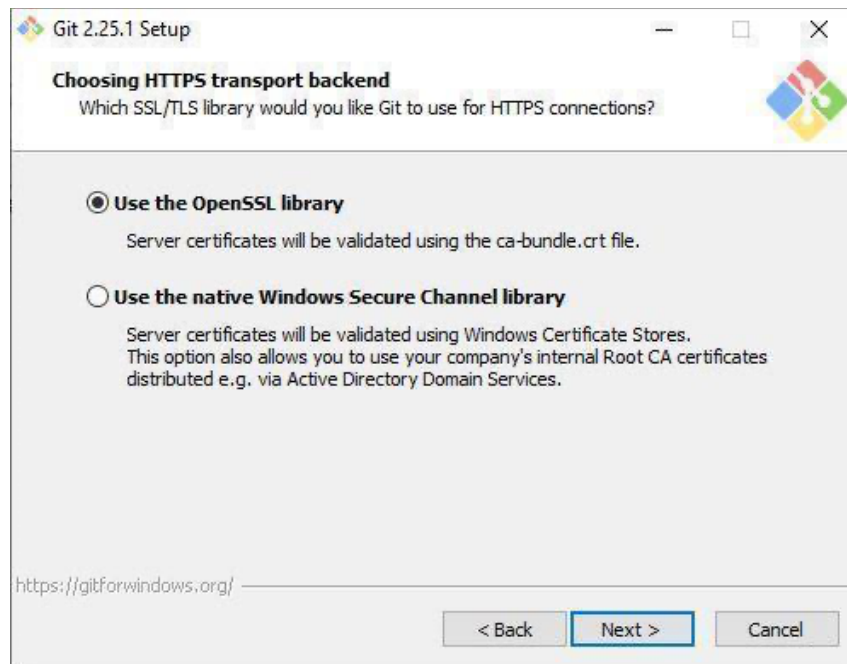**Step 8:** Select the default text editor for Git, and then click **Next**.

Step 9: Go with the default PATH environment, and then click **Next**.

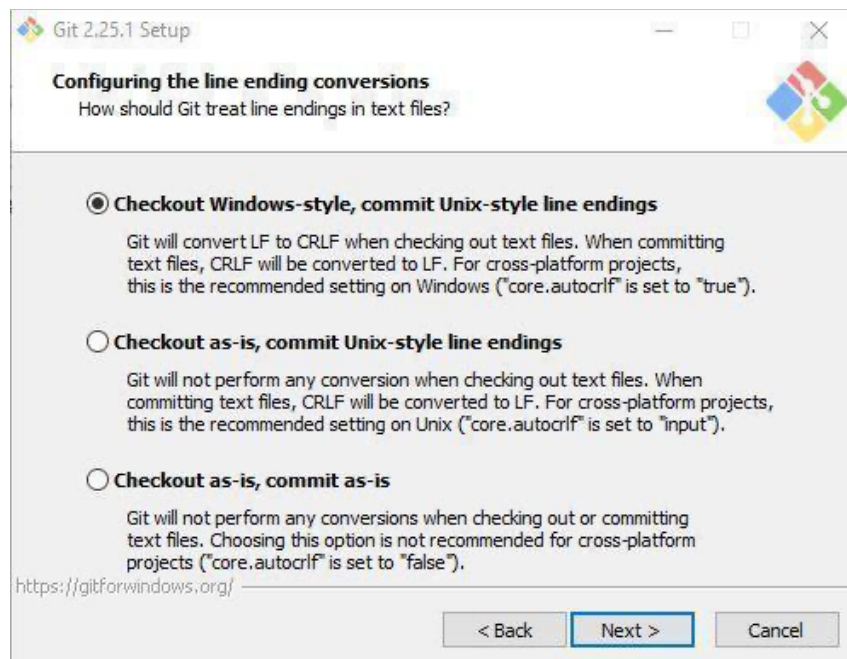**Step 10:** Go with the default options and click **Next**.
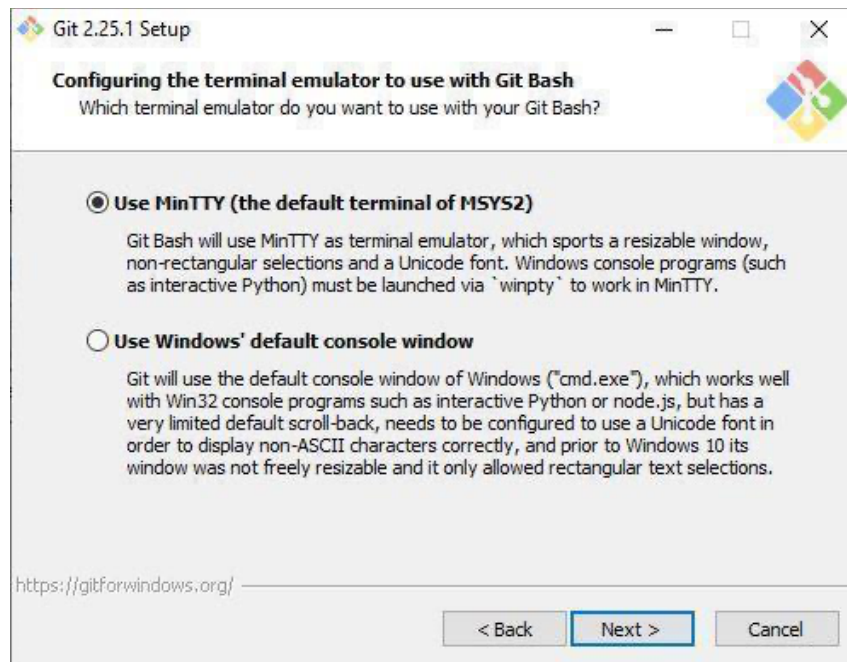

Step 11: Go with the default options and click **Next**.

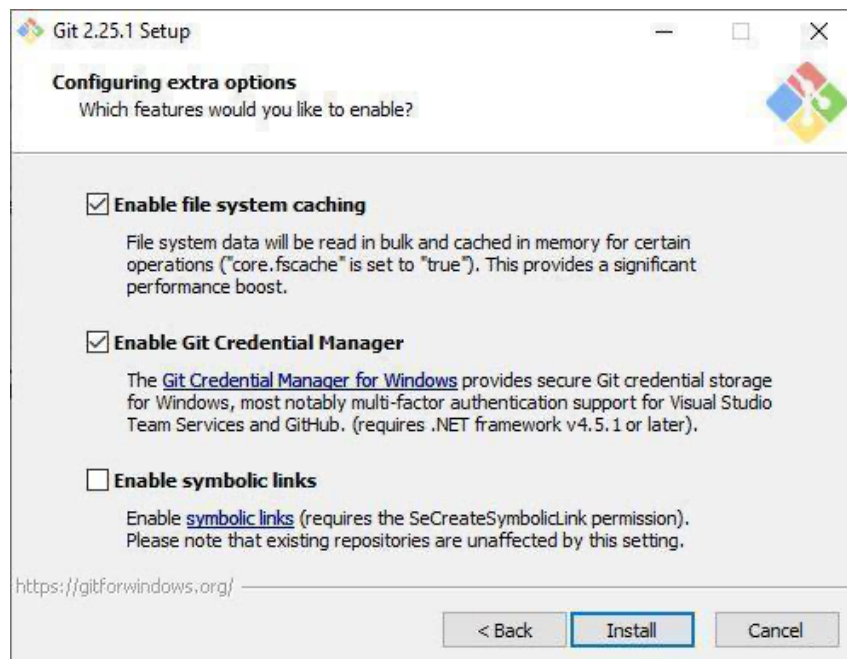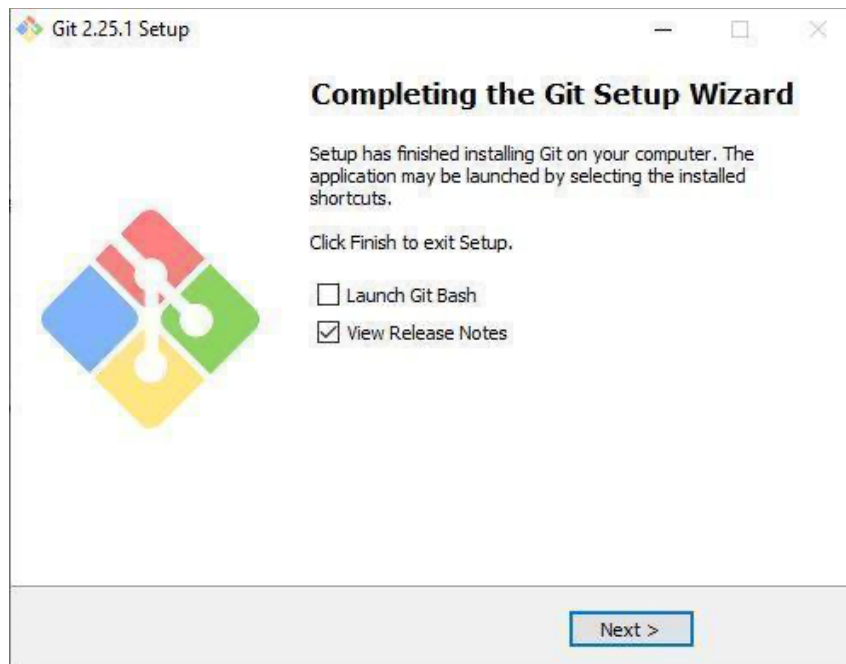**Step 12:** Keep the default line ending conversion by clicking **Next**.

Step 13: Choose the default terminal emulator, and then click **Next**.

Step 14: Choose the default options, and then click **Install**.

Step 15: Complete the setup by selecting **Next**.

● Install Git on Linux OS

Install Git on Linux using the preferred package manager of your Linux distribution.

- **Debian / Ubuntu (apt-get):**

    From your shell, install Git using apt-get:

    apt-get install git

- **Fedora (dnf/yum):**

    From your shell, install Git using dnf (or yum):

    dnf install git (Fedora 22 and later versions)

    (or)

    yum install git (Upto Fedora 21 version)

● Install Git on Mac OS

If you've installed XCode (or it's Command Line Tools), Git may already be installed. To find out, open a terminal and enter the command: git --version

If you have not installed Git already, follow the following steps:

Step 1: Download the latest Git installer from the following link:

https://sourceforge.net/projects/git-osx-installer/files/

Step 2: Run the installer and follow the prompts to install Git.

2. Installing Beyond Compare

Beyond Compare is a popular file comparison tool.

Step1: Download the latest version of Beyond Compare from the following link:

https://www.scootersoftware.com/download.php

Step 2: Follow the instructions provided in the above link to install the same.

3. Integration of Git and Beyond Compare

Beyond Compare can be integrated with Git. To integrate Git with Beyond Compare run the following command in a terminal.

git config --global diff.tool bc

To launch a diff using Beyond Compare, use the command:

git difftool <<File Name>>

NOTE: **git difftool** is a Git command that allows you to compare files between revisions using any of the previously configured common diff tools. Here we will be using Beyond Compare as the diff tool.