**Practical No. 01**

**Aim:** Setting up the git client.

**Git Installation:** Download the Git installation program (Windows, Mac, or Linux) from Git - Downloads ([https://www.git-scm.com/](https://git-scm.com/)).

When running the installer, various screens appear (Windows screens shown). Generally, you can accept the default selections, except in the screens below where you do not want the default selections:

In the Select Components screen, make sure Windows Explorer Integration is selected as shown:

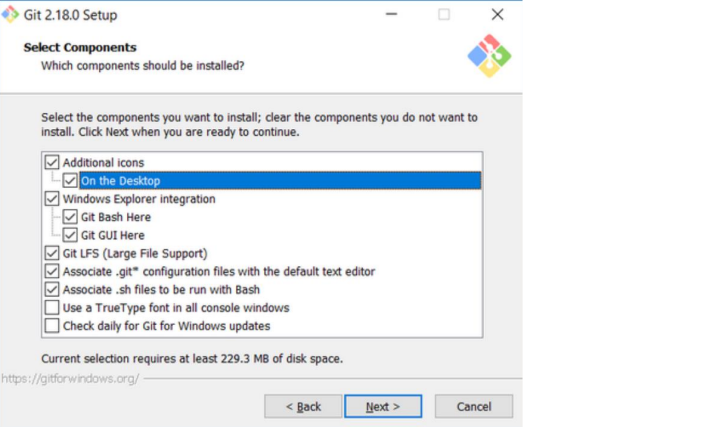
**Setting up of Git Client**

You can download Git for free from the following website:

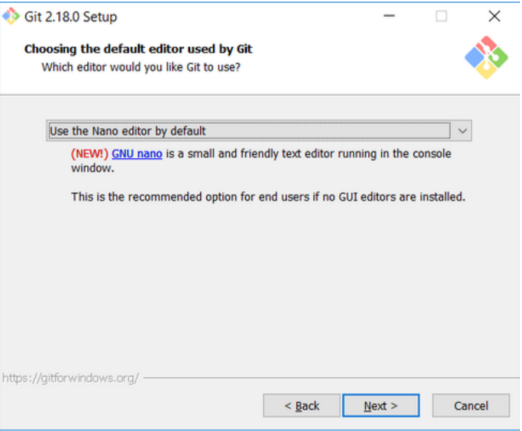
To start using Git, we are first going to open up our Command shell.

For Windows, you can use Git bash, which comes included in Git for Windows. For Mac and Linux you can use the built-in terminal.

The first thing we need to do, is to check if Git is properly installed:



In the choosing the default editor is used by Git dialog, it is strongly recommended that you DO NOT select default VIM editor- it is challenging to learn how to use it, and there are better modern editors available. Instead, choose Notepad++ or Nano – either of those is much easier to use. It is strongly recommended that you select Notepad++

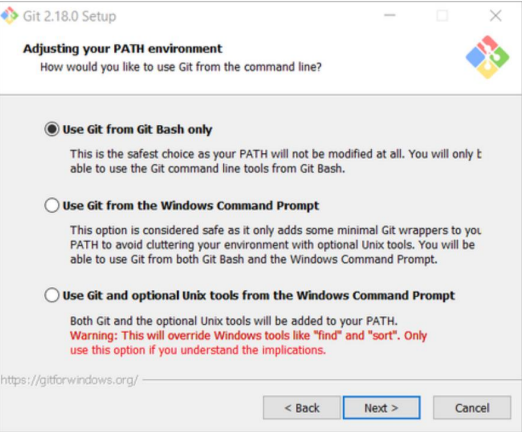


In the Adjusting your PATH screen, all three options are acceptable:

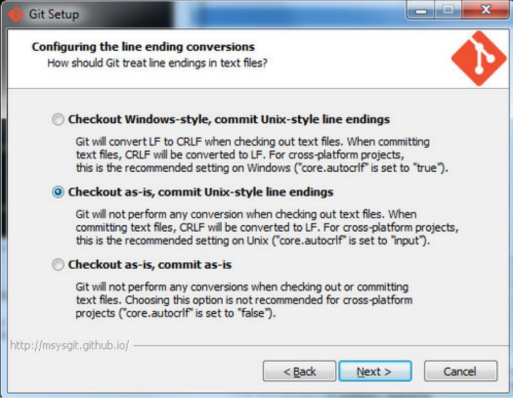
1. Use Git from Git Bash only: no integration, and no extra command in your command path.

2. Use Git from the windows Command Prompt: add flexibility – you can simply run git from a windows command prompt, and is often the setting for people in industry – but this does add some extra commands.

3. Use Git and optional Unix tools from the Windows Command Prompt: this is also a robust choice and useful if you like to use Unix like commands like grep.

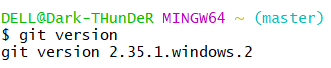
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In the Configuring the line ending screen, select the middle option (Checkout-as-is, commit Unix-style line endings) as shown. This helps migrate files towards the Unix-style (LF) terminators that most modern IDE’s and editors support. The Windows convention (CR-LF line termination) is only important for Notepad.

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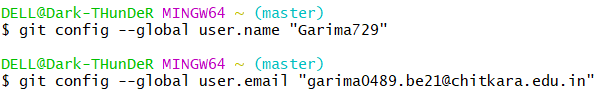
Once Git is installed, there is some remaining custom configuration you must do. Follow the steps below:

The first thing we need to do, is to check if Git is properly installed:



If Git is installed, it should show something like git version X.Y

Now let Git know who you are. This is important for version control systems, as each Git commit uses this information:



Change the user name and e-mail address to your own. You will probably also want to use this when registering to GitHub later on.