

GitHub Workshop Pre-Set Up Guide



SIM Information Technology Club

Date: 7th October 2024 (Monday)

Time: 12:00 PM – 3:00 PM

Venue: SIM campus, SR B.2.09/B.210

Disclaimer

Please complete the following setup steps prior to attending the workshop. This guide provides instructions for installing Git, Visual Studio Code, and setting up a GitHub account. The actual workshop will focus on utilising these tools effectively, so completing these steps in advance will ensure a smoother learning experience.

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1. Install Git on Windows

Install Git on Windows

Git for Windows stand-alone Installer

1. Download the latest [Git for Windows installer](#).
2. When you've successfully started the installer, you should see the **Git Setup** wizard screen. Follow the **Next** and **Finish** prompts to complete the installation. The default options are pretty sensible for most users.
3. Open a Command Prompt (or Git Bash if during installation you elected not to use Git from the Windows Command Prompt).
4. Run the following commands to configure your Git username and email using the following commands, replacing Emma's name with your own. These details will be associated with any commits that you create:

```
$ git config --global user.name "Emma Paris"
$ git config --global user.email "eparis@atlassian.com"
```

Step 1: Go to the Git for Windows website:

- <https://www.atlassian.com/git/tutorials/install-git>
- <https://gitforwindows.org/>

Step 2: Download Git by clicking the appropriate link for Windows.

Step 3: Run the Installer. Open the downloaded **.exe** file and follow the installation prompts.

Step 4: Configure Git. Once installed, open Git Bash and set up your username and email:

```
git config --global user.name "Your Name"
git config --global user.email "your.email@example.com"
```

Video Demo:

- How to Install Git on Windows:

<https://www.youtube.com/watch?v=iYkLrXobBbA>

2. Install Git on macOS

Install Git on Mac OS X

There are several ways to install Git on a Mac. In fact, if you've installed XCode (or it's Command Line Tools), Git may already be installed. To find out, open a terminal and enter `git --version`.

```
$ git --version
git version 2.7.0 (Apple Git-66)
```

Apple actually maintain and ship [their own fork of Git](#), but it tends to lag behind mainstream Git by several major versions. You may want to install a newer version of Git using one of the methods below:

Git for Mac Installer

The easiest way to install Git on a Mac is via the stand-alone installer:

1. Download the latest [Git for Mac installer](#).
2. Follow the prompts to install Git.
3. Open a terminal and verify the installation was successful by typing `git --version`:

```
$ git --version
git version 2.9.2
```

4. Configure your Git username and email using the following commands, replacing Emma's name with your own. These details will be associated with any commits that you create:

```
$ git config --global user.name "Emma Paris"
$ git config --global user.email "eparis@atlassian.com"
```



RELATED MATERIAL

Git cheat sheet

[Check it out →](#)



SEE SOLUTION

**Learn Git with
Bitbucket Cloud**

[Read tutorial →](#)

Step 1: Open Terminal and check if Git is installed by typing:

```
git --version
```

If Git is not installed, follow the prompt to install Xcode Command Line Tools, which includes Git.

Step 2: Alternatively, download the Git installer from:

- <https://www.atlassian.com/git/tutorials/install-git>
- <https://sourceforge.net/projects/git-osx-installer/files/>

Step 3: Configure Git by opening Terminal and entering:

```
git config --global user.name "Your Name"
git config --global user.email "your.email@example.com"
```

Video Demo:

- How to Install Git on macOS:

<https://www.youtube.com/watch?v=B4qsvQ5IqWk>

Alternatively, macOS users can use homebrew, a package manager that makes downloading open source resources easier.

1. Install Homebrew

Paste the following in the macOS terminal:

```
/bin/bash -c "$(curl -fsSL  
https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh  
)"
```

OR

Get the link from <https://brew.sh/>

The script will explain what it will do and requires your permission to let it run

2. After brew is installed,

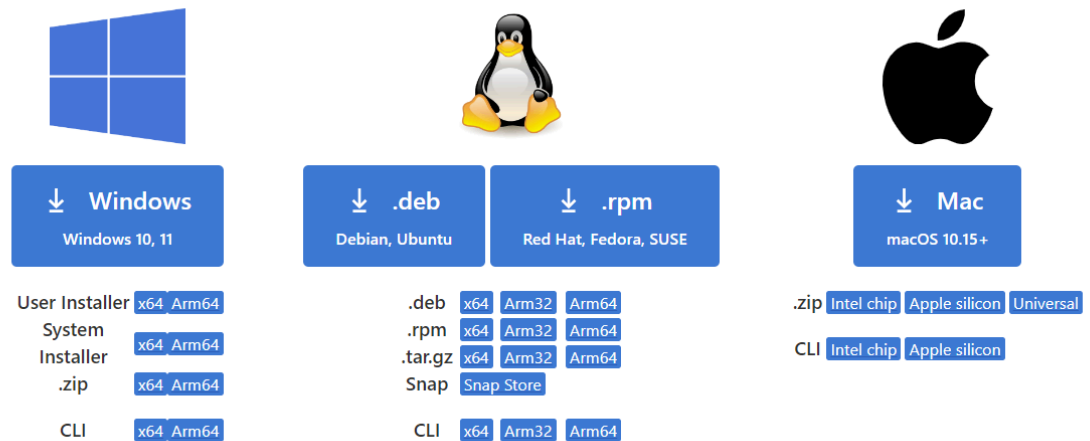
Type:

```
brew install git
```


3. Install Visual Studio Code (VSCode)

Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.



Step 1: Download VSCode from the official site:

- <https://code.visualstudio.com/download>

Step 2: Install VSCode:

- **Windows:** Open the downloaded **.exe** file and follow the prompts.
- **macOS:** Open the **.dmg** file and drag the VSCode icon to the Applications folder.

Step 3: Launch VSCode. On **Windows**, open it from the Start Menu. On **macOS**, open it from the Applications folder.

Video Demo:

- How to Install Visual Studio Code:

https://www.youtube.com/watch?v=cu_ykIfBprI

4. Set Up GitHub Account

<https://github.com/login>



Sign in to GitHub

Username or email address

Password

[Forgot password?](#)

Sign in

[Sign in with a passkey](#)

New to GitHub? [Create an account](#)

Step 1: Go to <https://github.com/login>

Step 2: Click "Sign up" in the upper-right corner.

Step 3: Enter your email address, password, and choose a username.

Step 4: Complete the setup by verifying your email.

Video Demo:

- **How to Create a GitHub Account:**

<https://www.youtube.com/watch?v=w5-4WeyOtN4>

