

# 1.1 Set Up and Create a Git Repository

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This section will guide you to:

- Download Git from the official site and configure it
- Generate files, initialize .git directory, and commit the files

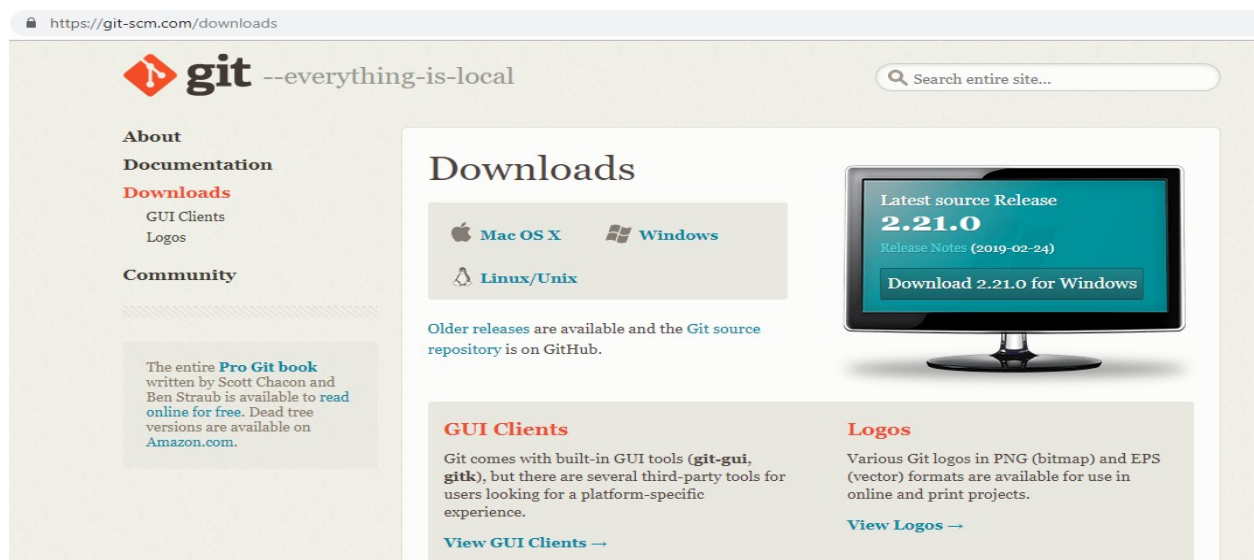
This guide four has subsections, namely:

- 1.1.1 Downloading Git from the official site for your operating system
- 1.1.2 Configuring Git in your system
- 1.1.3 Generating files and initializing the .git directory
- 1.1.4 Executing the basic commands

**Step 1.1.1:** Downloading Git from the official site for your operating system.

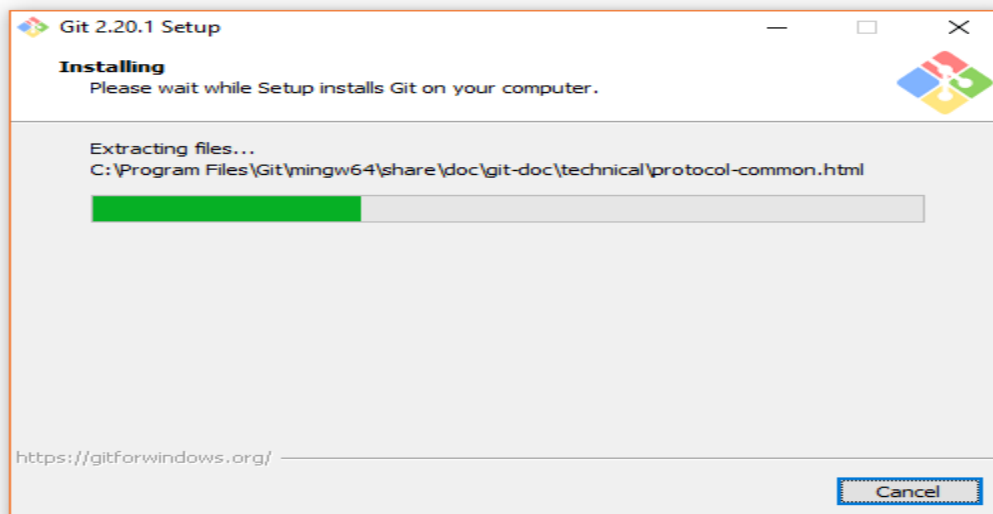
Git is already installed in your practice lab. (Refer QA to QE: Lab Guide - Phase 1)

Open your Chrome browser and navigate to <https://git-scm.com/downloads> page of Git. Click on the **Download <Version\_Number> for Windows** button available on the right side of the screen as shown in the screenshot below:



### Step 1.1.2: Configuring Git in your system.

- Locate the downloaded git.exe file
- [right-click] on the executable git file and select **Run as administrator**
- Once you accept the installation request, you will be directed to the **Information** window. Click on **[Next >]** button.
- Do not make any changes and click on **[Next >]** button.
- You will be prompted to select the default editor used by Git. Select **Use Vim (the ubiquitous text editor)** as **Git's default editor** and click on **[Next >]** button.
- You will be prompted to select how to use Git. Select **Git from the command line and also from third-party software** and click on **[Next >]** button.
- You will be prompted to select the HTTPS transport backend. Select **Use the OpenSSL library** and click on **[Next >]** button.
- You will be prompted to select a style to treat the line endings in text files. Read the options and select one per your preference. Click on **[Next >]** button.
- You will be prompted to select the terminal emulator. Read the options and select as per your preference. Click on **[Next >]** button.
- You will be prompted to choose the features to enable. Do not make any changes and click on **[Install]** button.



### Step 1.1.3: Generating files and initializing the .git directory.

- Create a folder on your desktop and open it.
- Create the files: hello.js, index.html, and helloWorld.java.
- Open the Git terminal and navigate to the folder you have created.

- Execute the following command to initialize the .git repository:

`git init`

**Step 1.1.4:** Executing the basic commands.

- Add all the files to your git repository using the following command:

`git add`

- Commit the changes using the following command:

`git commit -m`