

Git / GitHub Setup Lab

Note: If you do not already have a GitHub account, create a free account at <https://github.com> before starting this exercise and generate a Personal Access Token. This exercise will be completed on both a Linux and a Windows computer.

Installation (Linux):

1. Run a terminal window as root
2. Update package manager files by running the command: `apt update -y && apt upgrade -y`
3. Install Git by running the command: `apt install git-all --upgrade`
4. Install GitHub client tools by running the command `apt install gitsome --upgrade`

Installation (Windows):

1. To install Git, open a web browser and connect to the Git for Windows website (<https://gitforwindows.org>)
2. Review the documentation. Download and install the latest stable version of Git SCM using the default settings.
3. Open the GitHub CLI website (<https://cli.github.com>) in our browser.
4. Review the documentation on the home page
5. Download and install GitHub CLI using the default settings.

Verify Setup on Linux / Windows:

1. Run the following commands to verify git setup and review documentation:
 - a. `git`
 - b. `git help -a`
 - c. `git help tutorial`
 - d. `git config --global user.name "Full Name"`
 - e. `git config --global user.email "Email Address"`
 - f. `git config -l`
2. Run the following commands to verify GitHub CLI setup and review documentation:
 - a. `gh`
 - b. For Linux: `gh configure` (Login is your GitHub login name and Password is your GitHub personal access token. Do not enable any additional options.)
 - c. For Linux: `gh me`
 - d. For Windows: `gh auth login` (Provide credentials as used for "gh configure" on Linux)
 - e. For Windows: `gh auth status`