4.8 Docker CE

This section will guide you to:

* Setup Docker Desktop in Windows 10

**Development Environment**

* Windows
* Docker

This guide has two subsections, namely:

4.8.1 Setting up Docker Desktop in Windows

4.8.2 Pushing the code to GitHub repositories

**Step 4.8.1:** Setting up Docker Desktop in Windows

* Docker Community Edition is already installed in your practice lab. Refer to **DotNet Lab guide:Phase 4** for more information.
* To install Docker CE in your local system, use the following steps:
  + Under Windows, Docker CE is now Docker Desktop, Installing the desktop app automatically installs Docker Engine and Docker Compose.
  + Go to <https://hub.docker.com/>. If you have already signed up click on Sign in.
  + If you haven’t signed up, go to <https://hub.docker.com/signup?next=%2F%3Foverlay%3Donboarding>
  + Complete the registration form and click the link in the verification email.
  + After successful verification, you can now login
  + On the next page. Click on **Download Docker Desktop for Windows**
  + Double click the downloaded installer and follow the instructions as displayed. Make sure to keep the Linux style coma
  + This will setup the Docker Desktop tool.
  + After a Windows restart, the docker tray icon will be installed. Right click the tray icon and choose **Switch to Windows Containers**
  + To test the installation, open the Windows Command Prompt and type *docker –version*
  + This will show the installed version of Docker

**Step 4.8.2:** Pushing the code to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

Initialize your repository using the following command:

git init

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

git add .

Commit the changes using the following command:

git commit -m “Changes have been committed.”

Push the files to the folder you created initially using the following command:

git push -u origin master