

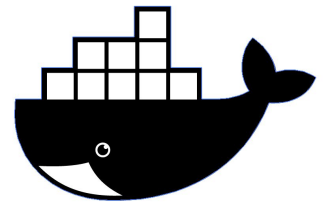
# Installing and running Docker and Che

## Step 1: Download and Install Docker

- Docker is the software container for this project.
- Install Docker toolbox on Windows (versions before Windows 10, Windows 10 Home):  
**!!Note:** When installing right click on Docker Toolbox and click “Run as Administrator”.  
<https://www.docker.com/products/docker-toolbox>
  - This will install the Docker Quickstart.
- Install Docker on Windows (Windows 10 Professional or Enterprise 64-bit):  
<https://store.docker.com/editions/community/docker-ce-desktop-windows>
- Install Docker toolbox on Mac (versions before Mac OS Yosemite 10.10.3):  
<https://www.docker.com/products/docker-toolbox>
- Install Docker on Mac (Mac OS Yosemite 10.10.3 or above):  
<https://www.docker.com/docker-mac>
- *Note:* Installing this will require Admin privileges on your computer
- *Note:* Known Docker issue on Windows 7.

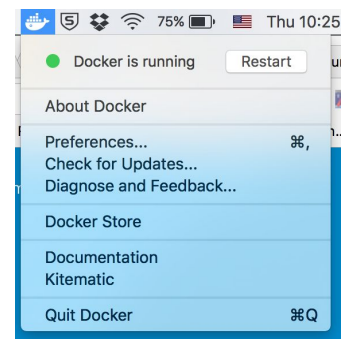
## Step 1.5: Run Docker

- Run Docker from Applications.
- On a Mac: The ‘Docker Whale’ will show up in the application menu bar while it is running.



## Optional Step: Download and install Kitematic

- Kitematic provides GUI for Docker. It is available for Mac OS X 10.8+ and Windows 7+ (64-bit).
- Kitematic comes in the Docker toolbox - you do not need to download if you had to install Docker Toolbox in a previous step.
- On a Mac, download Kitematic from the Docker application. Click on the ‘Docker Whale’ in the application menu bar, and select “Kitematic” from the dropdown (see screenshot).



## Step 2: Start Che

- Open Terminal (Mac) or Powershell (Windows).  
**!!Note:** For Windows, the path names did not properly link in Mingw. Use Powershell and command `/D/<path>` instead of `D:<path>`
- If you have a Mac:
  - `cd` to the folder in which you want to run Che (you may want to create a new empty folder for this project). Run command:

- `cd <folder name>`
  - Run the code found in file “che\_start\_mac.sh”.
    - `./che_start_mac.sh`
  - View Che at: [localhost:7000/](http://localhost:7000/)
- If you have a Windows:
  - Open Docker Quickstart terminal
  - Review the code in the screenshot “Windows-powershell-command.png” at: <https://github.com/DevEnvy-HackWithFriends/Documentation>
  - View Che at: [192.168.99.100:8080/](http://192.168.99.100:8080/)
  - **Note:** We got Che running, but were not able to read cheFile to start the project directly
  - Alternative option for install is: Adding a git clone command in workspace to check out the project after you import the workspace.

### Step 3: Ensure you have Github and Docker hub account

- Create a github account here: <http://www.github.com>
- Create a docker hub account here: <http://hub.docker.com>
- DevEnvy’s Github and Docker hub
  - <https://github.com/DevEnvy-HackWithFriends>
  - <https://hub.docker.com/u/devenvy17/>