

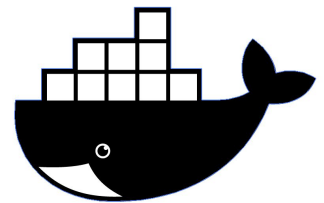
Installing and running Docker and Che

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):
<https://www.docker.com/products/docker-toolbox>
- 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.

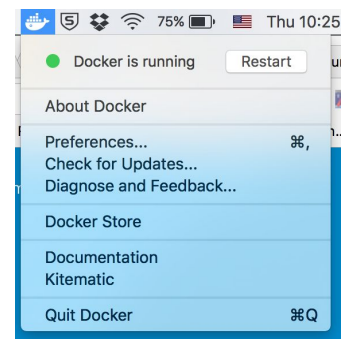
Step 1.5: Run Docker

- 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 name did properly link in Mingw. Use /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)
 - `cd <folder name>`
 - Run the code found in file "che_start_mac.sh"

- `docker run -it --rm -e CHE_PORT=7000 -v /var/run/docker.sock:/var/run/docker.sock -v $PWD/data:/data eclipse/che:5.2.0 dir up`
 - View Che at: localhost:7000/
- If you have a Windows:
 - Run the code found at <http://www.eclipse.org/che/docs/setup/getting-started/>
 - `docker run -it --rm -v /var/run/docker.sock:/var/run/docker.sock -v <path>:/data eclipse/che start`
 - <path> should be the path to the folder in which you want to run Che (you may want to create an empty folder for this project)
 - View Che at: localhost:8080/

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/>