

You can enter a Docker image that has all the Term 2 project dependencies by running:

```
docker run -it -p 4567:4567 -v 'pwd':/work udacity/controls_kit:latest
```

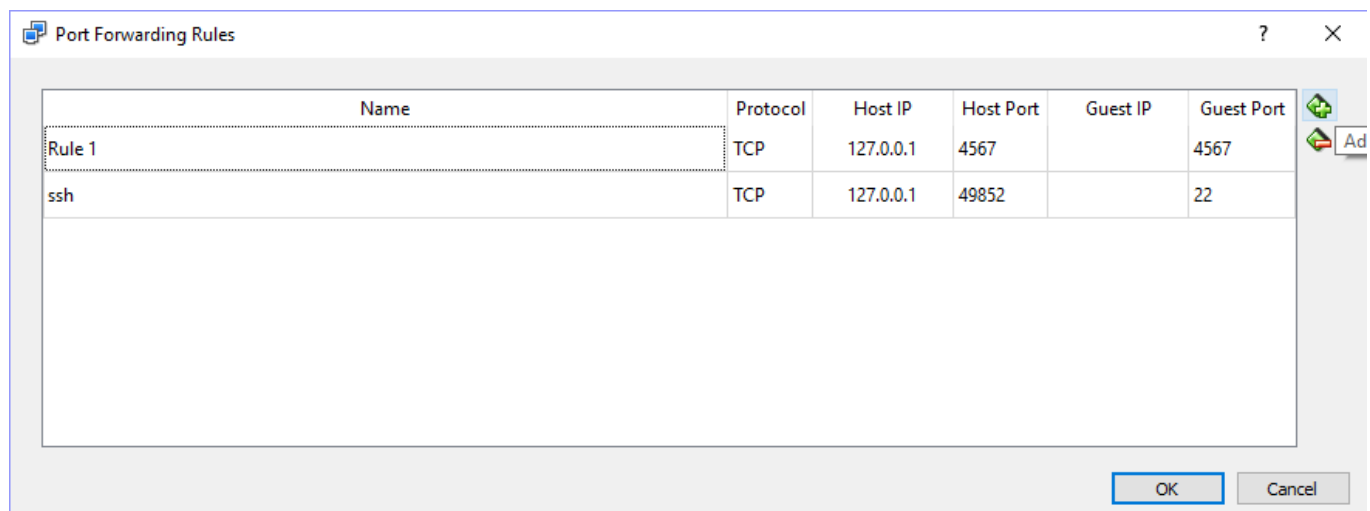
Once inside Docker you can clone over the GitHub project repositories and run the project from there.

Port forwarding is required when running code on VM and simulator on host

For security reasons, the VM does not automatically open port forwarding, so you need to manually [enable port 4567](#). This is needed for the C++ program to successfully connect to the host simulator.

Port Forwarding Instructions

1. First open up Oracle VM VirtualBox
2. Click on the default session and select settings.
3. Click on Network, and then Advanced.
4. Click on Port Forwarding
5. Click on the green plus, adds new port forwarding rule.
6. Add a rule that assigns 4567 as both the host port and guest Port, as in the screenshot.



Setting up port forwarding for 4567 in Virtual Machine



Search or ask questions in [Knowledge](#).



Ask peers or mentors for help in [Student Hub](#).

NEXT