UNDERGROUND NEXUS QUICK GUIDE

Dev Sec Ops Dojo

Before the steps below I installed docker. I used a raspberry pi, follow Docker documentation to install Docker on your machine.

1. Install Portainer

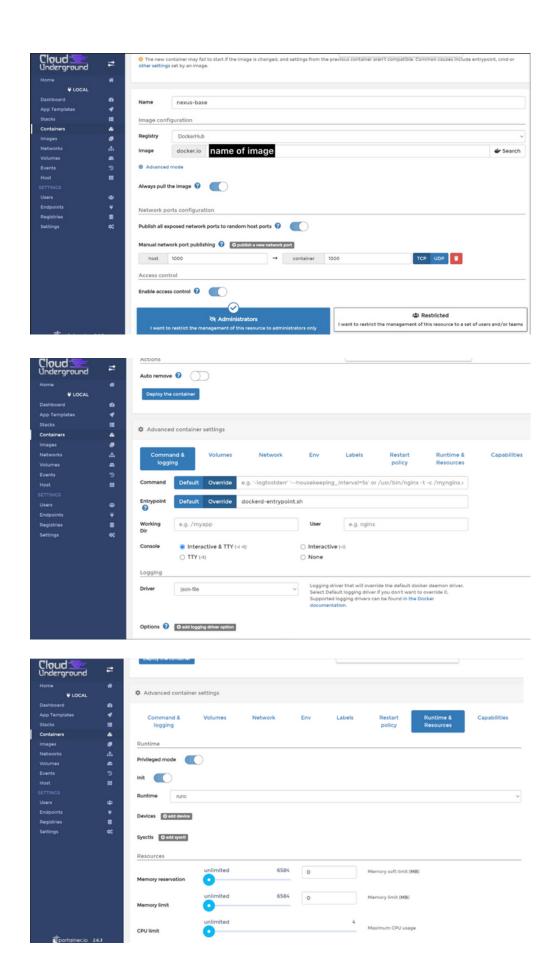
- open a console (terminal in Linux or powershell or cmd in Windows)
- run docker volume create portainer data
- next run docker run -d -p 8000:8000 -p 9443:9443 --name portainer --restart=always -v
 /var/run/docker.sock:/var/run/docker.sock -v portainer_data:/data portainer/portainer-ce:2.11.1
- On a web browser on a different machine, access the portainer instance at the appropriate ip address at port 9443
- You will need to set a password and, if desired, username

2. Build the Nexus image

- You should see the local environment, click it and then navigate to the images section in the left column
- Once in images select "Build a new Image"
- Paste the contents of the Dockerfile into the web editor or upload the file using the "Upload" box in the middle-top of the screen
- Give it a name and then click the "Build the Image" button at the bottom of the page

3. Deploy the container

- Now navigate to the container section in the left column
- Click the button that says "+ Add Container"
- Name the container (I called it Nexus)
- fill out the "Image" field to say the name of the image you made at the end of 2 with :latest behind it, so if you called the image "nexus" you would put in `nexus:latest`
- Click the option to "Publish all exposed newtork ports to random host ports"
- Below that, click the "+ publish a new network port" and type 1000 into both the host and container fields
- At the bottom, in the "Command & logging" tab, make sure "Interactive & TTY" are checked under the console option
- Now select the "Runtime & Resources" tab at the bottom and make sure "Privileged mode" and "Init" are turned on and that "Runtime" is set to "runc"
- Now hit "Deploy the container"



4. Run the deploy-olympiad script

- Still in portainer, navigate to the "Containers" section in the lefthand column
- You should see your new nexus container running. Look for a heading called "Quick Actions" above where the containers are listed.
- One of the quick actions should be >_ click on that to "Exec console"
- This should bring you to a new page with a button that says "Connect", click on that button
- You should now be in a terminal, type sh deploy-olympiad.sh to run the setup script
- Once the script is done you should be able to access a Mate desktop at the same ip address you used to access portainer but at port 1000 instead of 9443.