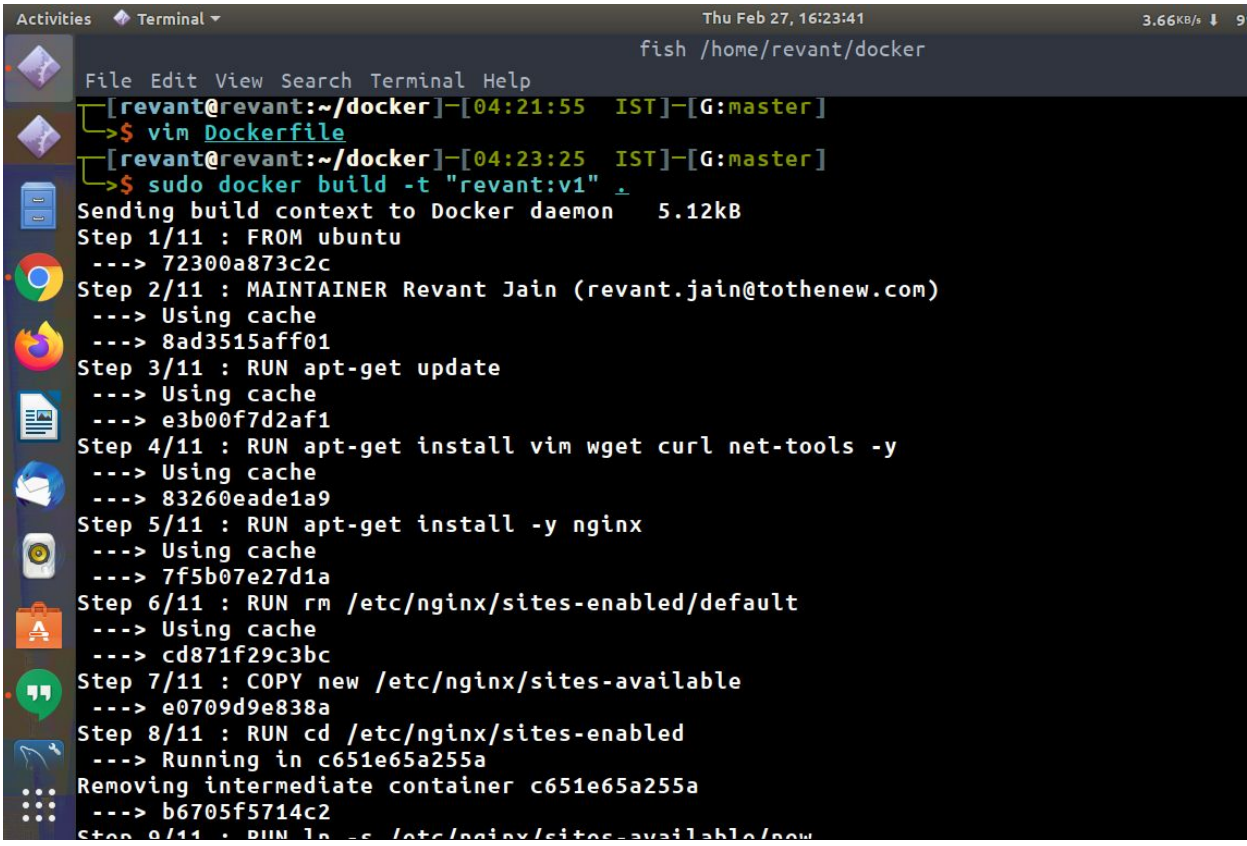
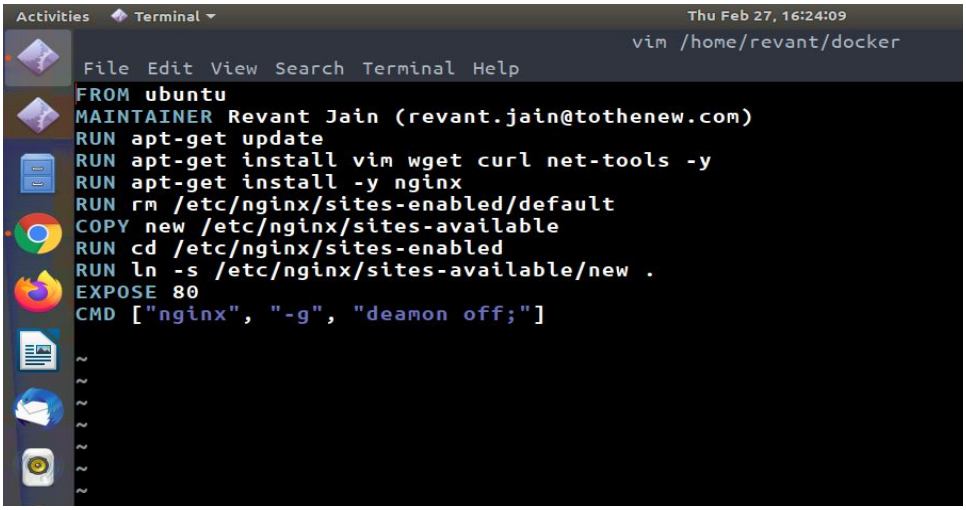
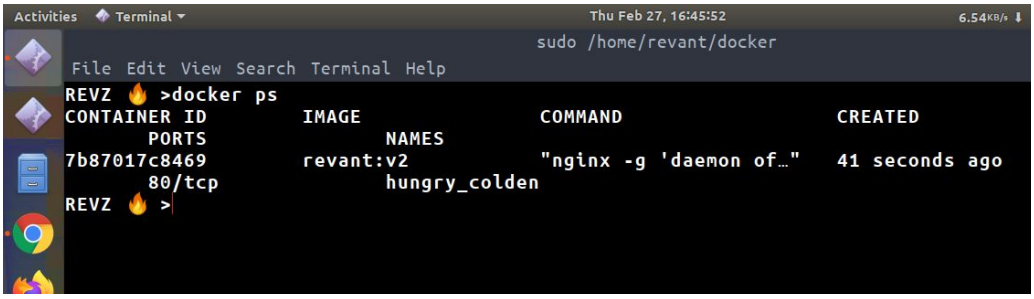
DOCKER

1. Set the base image to Ubuntu
    - Add File Author / Maintainer
    - Install Nginx
    - Install necessary tools: vim wget curl net-tools
    - Remove the default Nginx configuration file
    - Copy a configuration file from the current directory
    - Expose ports (80)
    - Set the default command to execute Nginx when creating a new container







2. **What is the difference between 'RUN', 'CMD', & 'ENTRYPOINT' in dockerfile?**

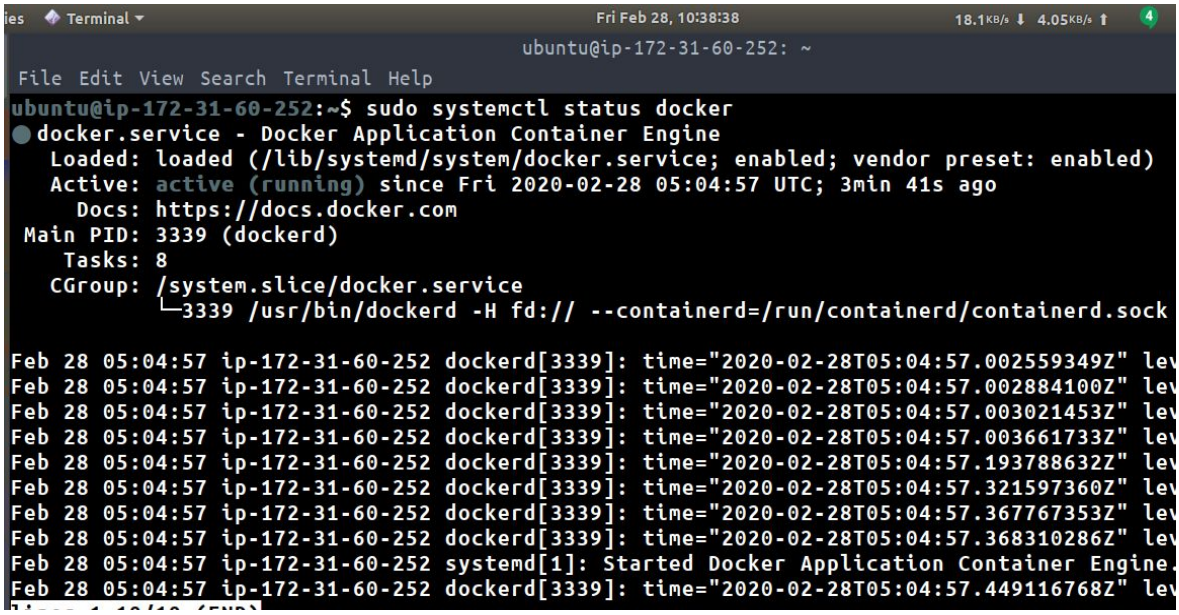
   RUN instruction allows you to install your application and packages required for it. It executes any commands on top of the current image and creates a new layer by committing the results. Often you will find multiple RUN instructions in a Dockerfile.

   CMD instruction allows you to set a *default* command, which will be executed only when you run container without specifying a command. If Docker container runs with a command, the default command will be ignored. If Dockerfile has more than one CMD instruction, all but last CMD instructions are ignored.

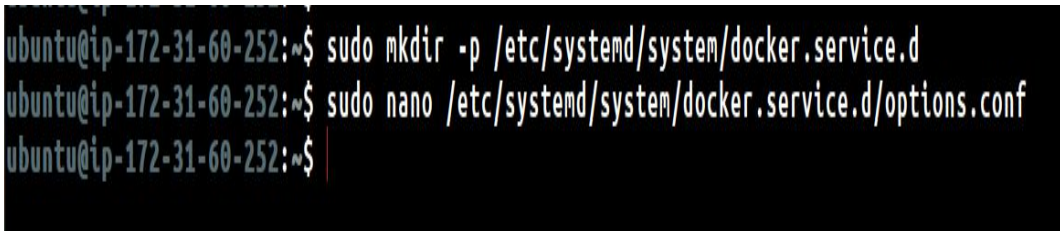
ENTRYPOINT instruction allows you to configure a container that will run as an executable. It looks similar to CMD, because it also allows you to specify a command with parameters. The difference is ENTRYPOINT command and parameters are not ignored when Docker container runs with command line parameters. (There is a way to ignore ENTRYPOINT, but it is unlikely that you will do it.)

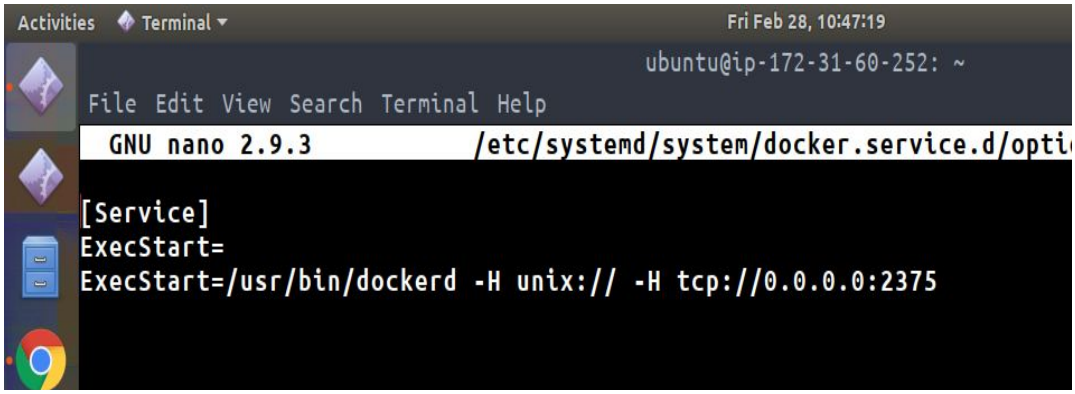
How to connect a docker client to docker daemon running on another host?

Install docker in an EC2 machine



Configure the Docker daemon in the EC2 to allow remote connections:




Activities
Terminal
Fri Feb 28, 10:47:19
ubuntu@ip-172-31-60-252: ~
File Edit View Search Terminal Help
GNU nano 2.9.3 /etc/systemd/system/docker.service.d/opti
[Service]
ExecStart=
ExecStart=/usr/bin/dockerd -H unix:// -H tcp://0.0.0.0:2375