Install Docker on Ubuntu 18.04

DISCLAIMER

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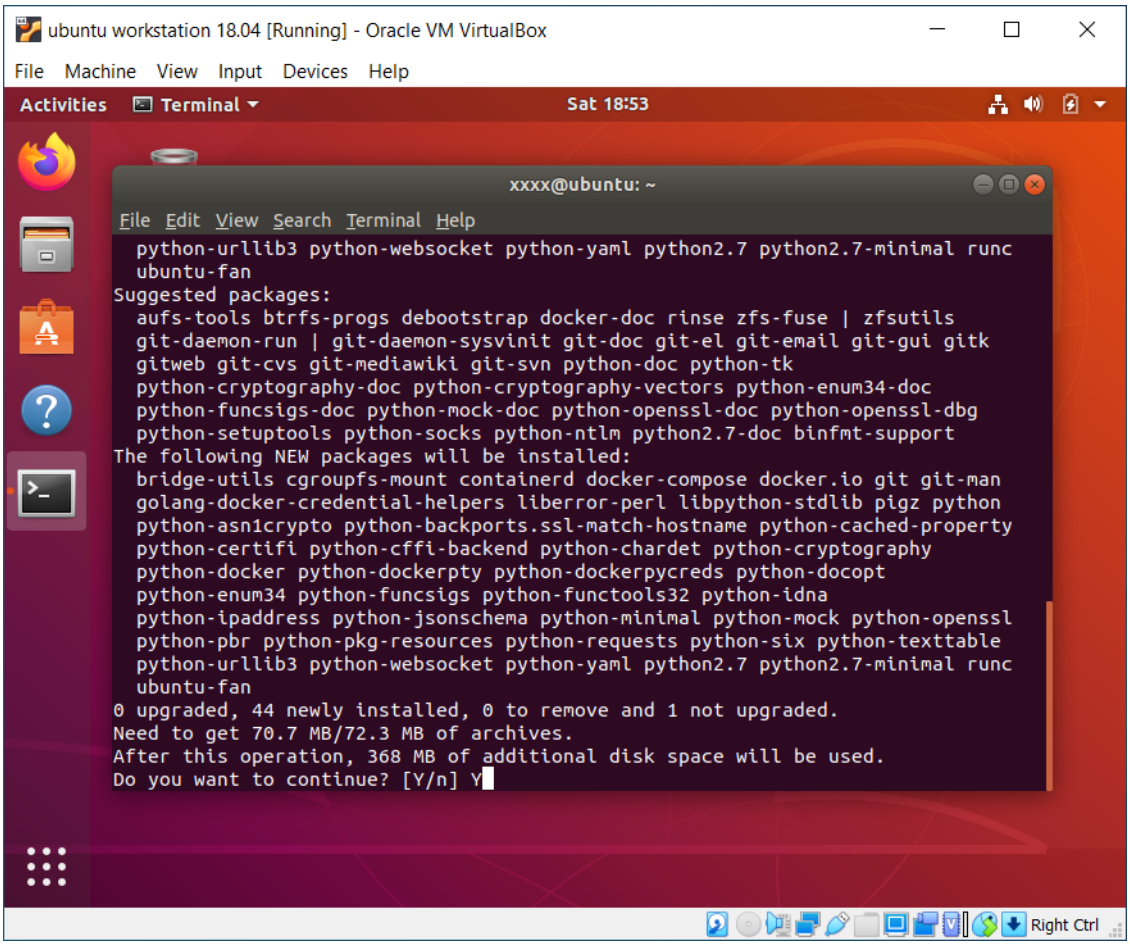
https://tech2talk.github.io/vms-and-containers/disclaimer.pdf

1. Open a Terminal on Ubuntu and then copy or type the following command
   sudo apt-get install docker.io docker-compose

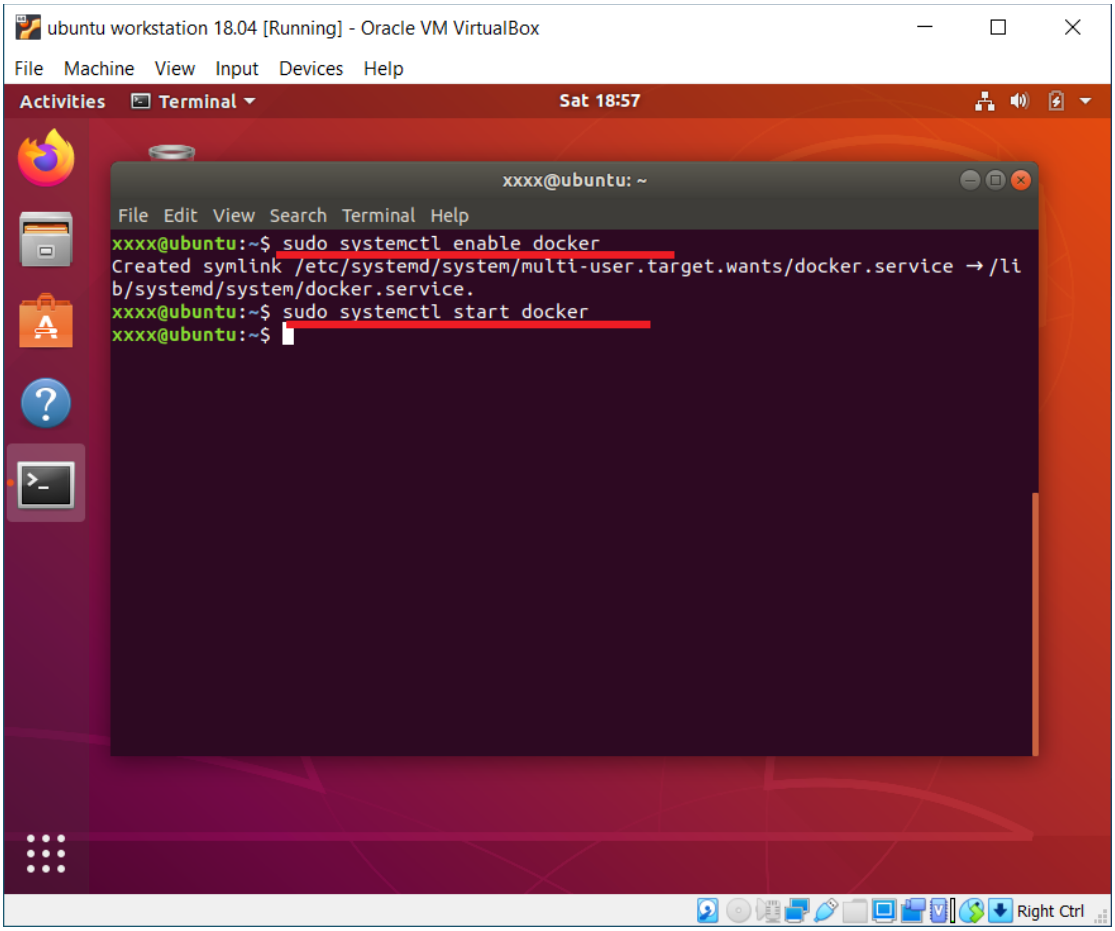
2. Enter your password that you created earlier during Ubuntu install and then press enter.

3. Enter “Y” when shell prompts to do so and then press enter.

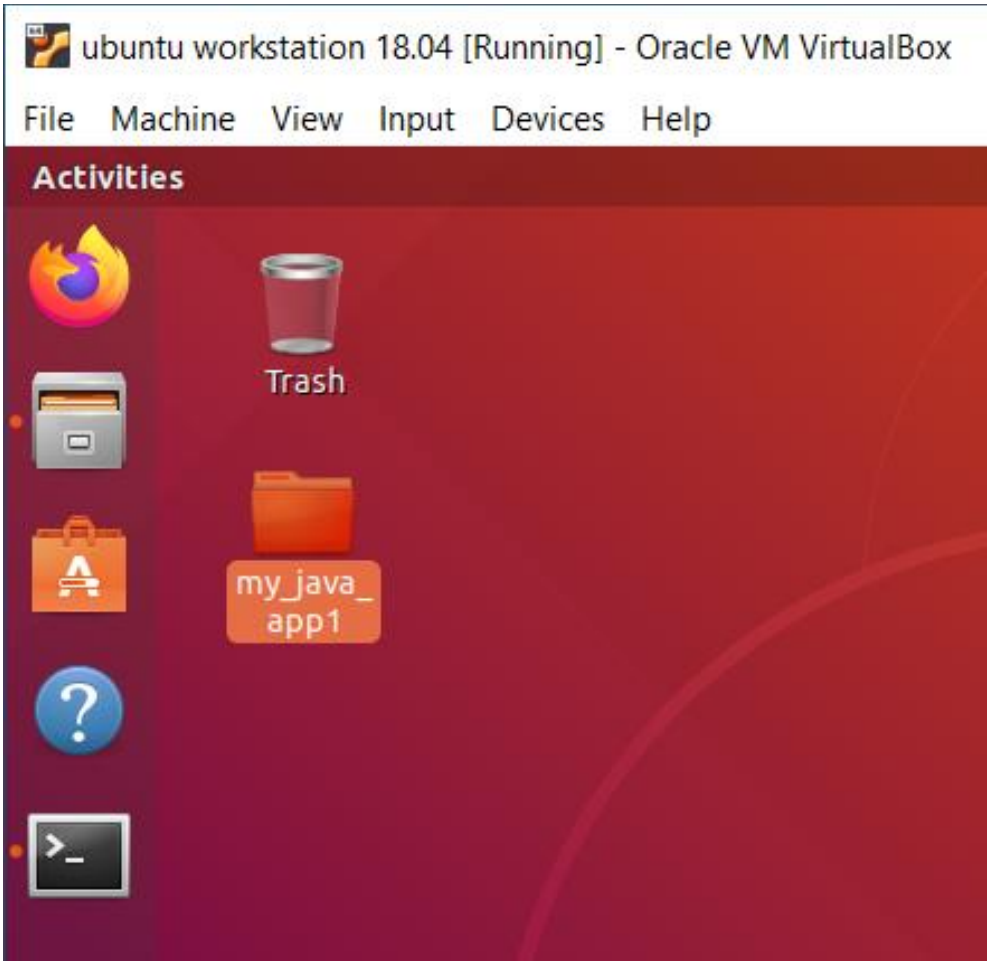


4. Once the install is done, copy or type the following commands into the same terminal one after the other. Let the first command finish before you type the next one.

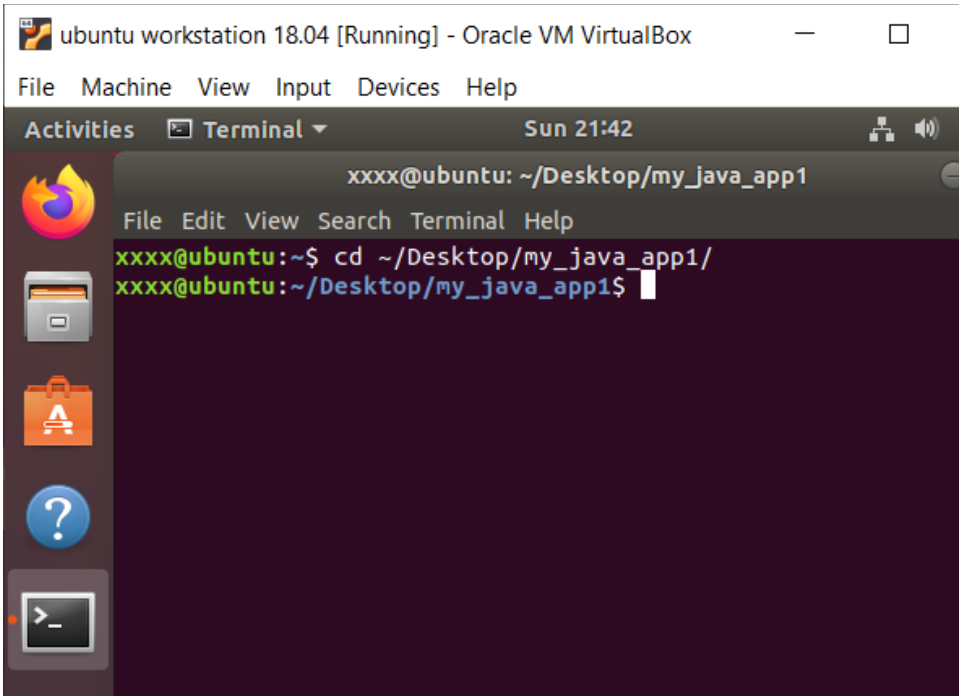
   sudo systemctl enable docker
   sudo systemctl start docker



5. Let's create our first Docker container for a Java app.
   Create a new folder on desktop of Ubuntu VM and name it my_java_app1



6. Switch to the Terminal window on Ubuntu and navigate to the newly created folder by typing or copying the following command into terminal.
   cd ~/Desktop/my_java_app1/



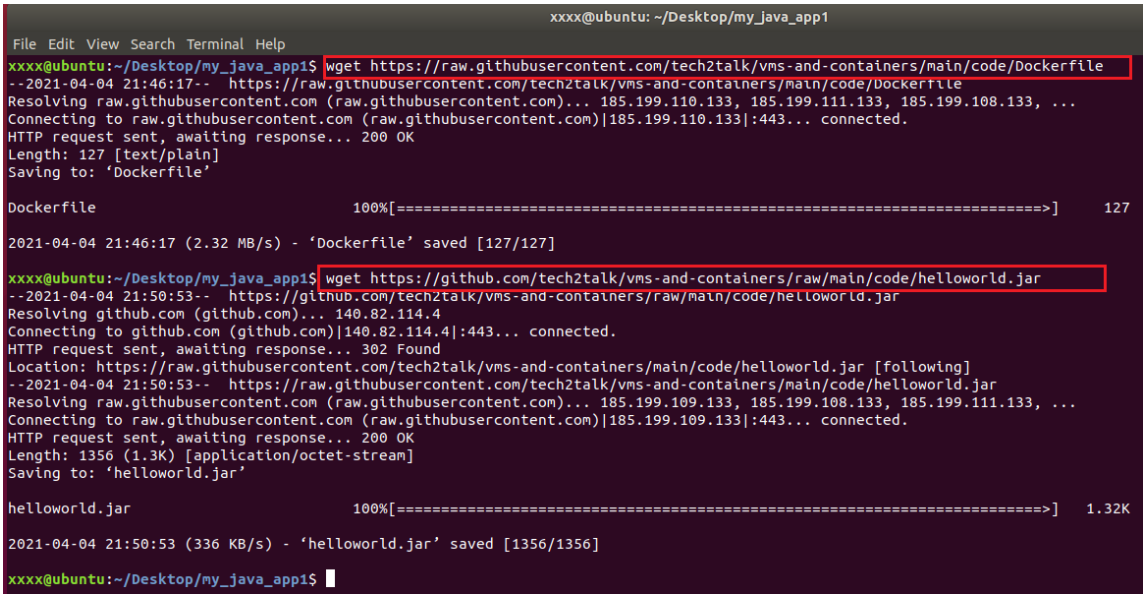
7. We need to download two files for creating our container app.
   Copy or type the following command on the terminal and hit enter.

   wget https://raw.githubusercontent.com/tech2talk/vms-and-containers/main/code/Dockerfile

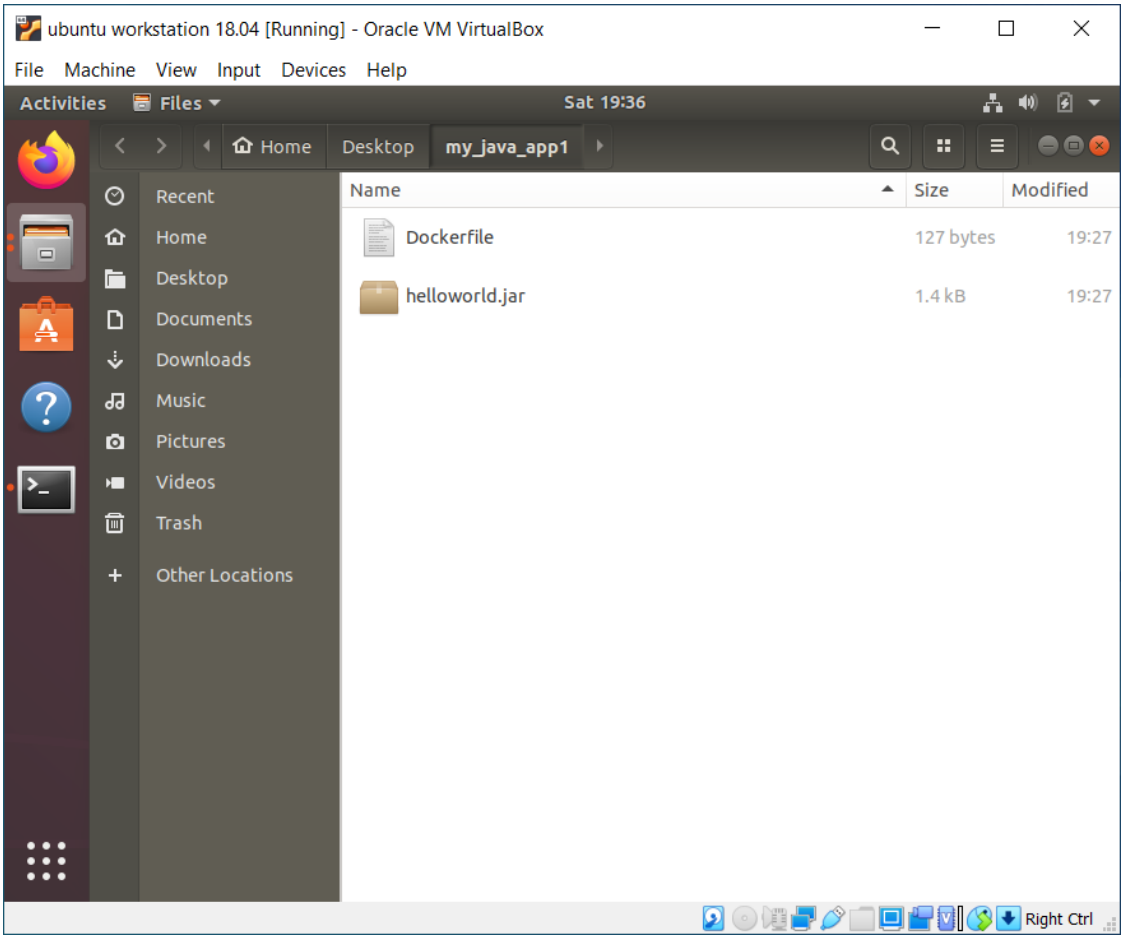
   It will download Dockerfile into my_java_app1 folder.

8. Copy or type the following command on the terminal and hit enter. This will download the second file needed of our app.

   wget https://github.com/tech2talk/vms-and-containers/raw/main/code/helloworld.jar



9. After this action, you should see the two files within my_java_app1 folder.



10. Open a terminal on your Ubuntu and then
    Navigate to the following directory structure by typing or copying pasting this command

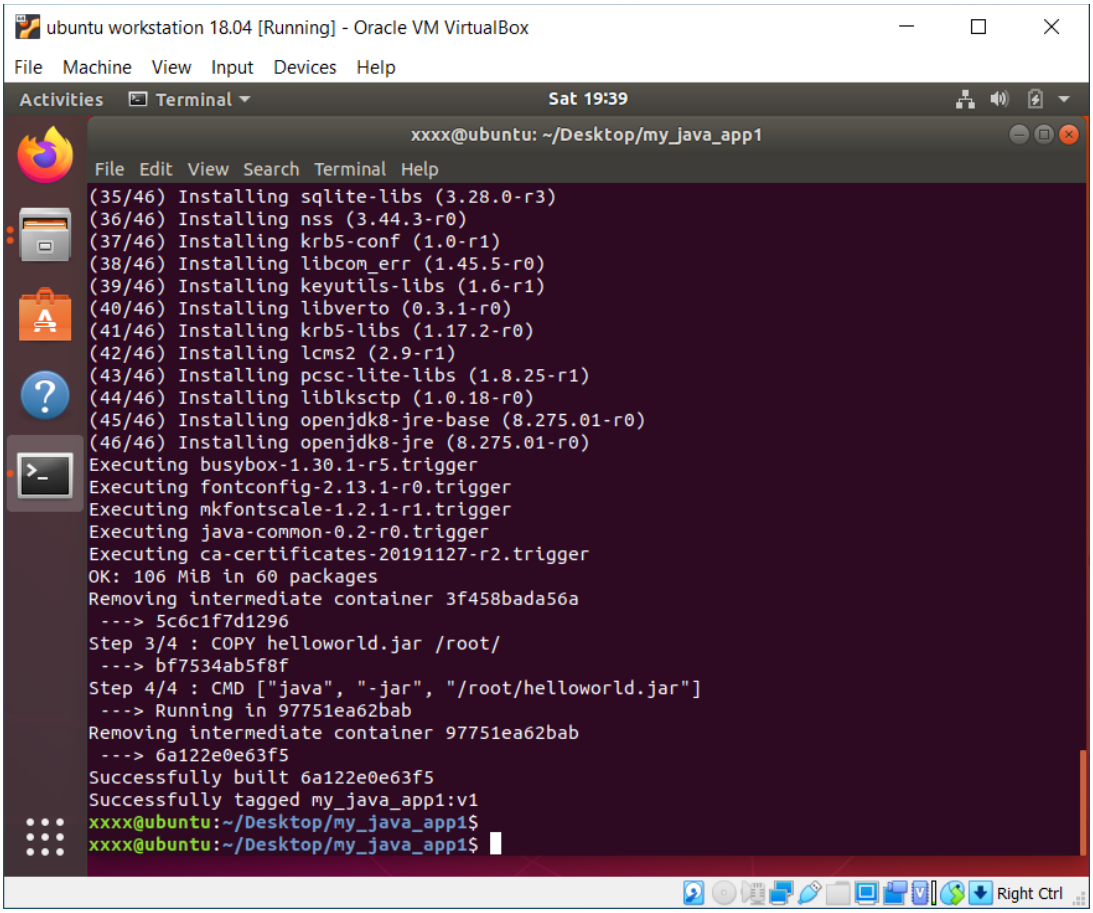
    cd ~/Desktop/my_java_app1

11. Copy or type the following command to build Docker image for your first Java app.

    Note: the command has a "." dot at the end so type a "." as well.

    sudo docker build -t my_java_app1:v1 .

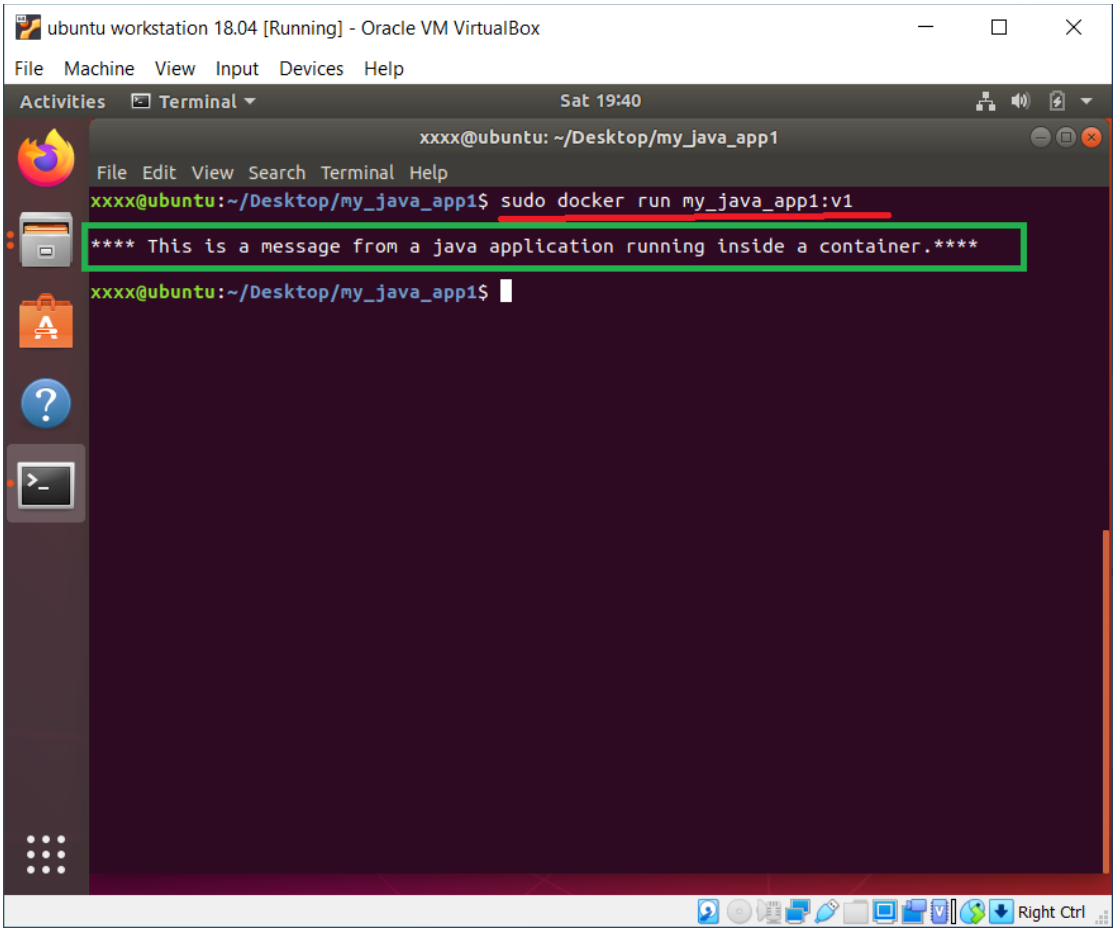
12. If everything goes ok then you should see something like this.



13. Let's run a container from this image by copying or typing the following command.

    sudo docker run my_java_app1:v1

    If all goes well then you should see the message in green from this Docker app.


ubuntu workstation 18.04 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities
Terminal
Sat 19:40
xxxx@ubuntu: ~/Desktop/my_java_app1
File Edit View Search Terminal Help
xxxx@ubuntu:~/Desktop/my_java_app1$ sudo docker run my_java_app1:v1
**** This is a message from a java application running inside a container.****
xxxx@ubuntu:~/Desktop/my_java_app1$
Right Ctrl