

Install a t2.micro (free tier) EC2 instance using RedHat Enterprise Linux Operating System. Make sure that the EC2 instance has Internet connectivity. Better to launch it in the default VPC, or, in a public subnet of non-default VPC.

Try the following command to install docker. It should give you error.

```
sudo yum install -y docker-ce
```

The reason is that RHEL yum package manager is not updated with docker community addition repo. Use the following command to modify the repo. It will add the URL highlighted below to tell yum package manager that it can find "docker-ce" in the specified URL.

```
sudo yum-config-manager --add-repo  
https://download.docker.com/linux/centos/docker-ce.repo
```

Try to install docker. It should give you error again saying that container-selinux has is needed. Use the following command to install the same.

```
sudo yum upgrade -y  
  
sudo yum install -y  
ftp://bo.mirror.garr.it/1/slc/centos/7.1.1503/extras/x86_  
64/Packages/container-selinux-2.9-4.el7.noarch.rpm
```

This time use the following command to install docker community edition. It should be successful.

```
sudo yum install docker-ce
```

Use the following command to check docker has been installed properly or not.

```
docker -version
```

Use the following "docker client" command to communicate to docker daemon. It will complaint saying that daemon is not running.

```
docker image ls
```

Start docker daemon using the following command

```
sudo systemctl start docker.service
```

"**docker image ls**" should give permission error. Use the following command to add "ec2-user" in "docker" group. Logout and log back in, run the same command again without error.

```
sudo usermod -aG docker $USER
```