The process of installing Docker CE is fairly straightforward, but can differ slightly depending on the environment. In this lesson, we'll explore how to install and configure Docker CE in a CentOS environment. We'll also go through the process of granting a user permission to execute docker commands. This lesson will provide the understanding of the steps necessary to install Docker on a CentOS machine.

Relevant Documentation

- https://docs.docker.com/install/linux/docker-ce/centos/

Lesson Reference

Install required packages:

```
sudo yum install -y device-mapper-persistent-data lvm2
```

Add the Docker CE repo:

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

Install the Docker CE packages and `containerd.io`:

```
sudo yum install -y docker-ce-18.09.5 docker-ce-cli-18.09.5 containerd.io
```

Start and enable the Docker service:

```
sudo systemctl start docker
sudo systemctl enable docker
```

Add `cloud_user` to the `docker` group, giving the user permission to run `docker` commands:

```
sudo usermod -a -G docker cloud_user
```

Log out and back in.

Test the installation by running a simple container:

```
docker run hello-world
```