While the process of installing Docker CE on Ubuntu is similar to the installation process for CentOS, there are some differences. In addition, a Docker Certified Associate is required to be able to install Docker in a variety of environments. In this lesson, we will install Docker CE in an Ubuntu environment.

Relevant Documentation

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

Lesson Reference

Install required packages:

```
sudo apt-get update

sudo apt-get -y install \
  apt-transport-https \
  ca-certificates \
  curl \
  gnupg-agent \
  software-properties-common
```

Add the Docker GPG key and repo:

```
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -

sudo apt-key fingerprint 0EBFCD88

sudo add-apt-repository \
   "deb [arch=amd64] https://download.docker.com/linux/ubuntu \
   $(lsb_release -cs) \
   stable"
```

Install Docker CE packages:

```
sudo apt-get install -y docker-ce=5:18.09.5~3-0~ubuntu-bionic docker-ce-cli=5:18.09.5~3-0~ubuntu-bionic containerd.io
```

Give `cloud_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
```