

# Installing Docker

## Relevant Documentation

- [Docker Site](#)
- [Install Docker Engine in Ubuntu](#)

## Lesson Reference

Create a `docker` group. Users in this group will have permission to use Docker on the system:

```
sudo groupadd docker
```

Install required packages.

**Note:** Some of these packages may already be present on the system, but including them here will not cause any problems:

```
sudo apt-get update && sudo apt-get install -y apt-transport-https ca-certificates curl gnupg lsb-release
```

Set up the Docker GPG key and package repository:

```
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg

echo \
  "deb [arch=amd64 signed-by=/usr/share/keyrings/docker-archive-keyring.gpg] \
  https://download.docker.com/linux/ubuntu \
  $(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
```

Install the Docker Engine:

```
sudo apt-get update && sudo apt-get install -y docker-ce docker-ce-cli
```

Test the Docker setup:

```
sudo docker version
```

Add `cloud_user` to the `docker` group in order to give `cloud_user` access to use Docker:

```
sudo usermod -aG docker cloud_user
```

Log out of the server and log back in.

Test your setup:

```
docker version
```

