

Docker install 1st

Before you install Docker Engine for the first time on a new host machine, you need to set up the Docker `apt` repository. Afterward, you can install and update Docker from the repository.

1. Set up Docker's `apt` repository.

```
# Add Docker's official GPG key:
sudo apt update
sudo apt install ca-certificates curl
sudo install -m 0755 -d /etc/apt/keyrings
sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o
/etc/apt/keyrings/docker.asc
sudo chmod a+r /etc/apt/keyrings/docker.asc

# Add the repository to Apt sources:
sudo tee /etc/apt/sources.list.d/docker.sources <<EOF
Types: deb
URIs: https://download.docker.com/linux/ubuntu
Suites: $(. /etc/os-release && echo "${UBUNTU_CODENAME:-$VERSION_CODENAME}")
Components: stable
Signed-By: /etc/apt/keyrings/docker.asc
EOF

sudo apt update
```

2. Install the Docker packages.

`Latest` `Specific version`

To install the latest version, run:

```
sudo apt install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-
compose-plugin
```

“ Note

The Docker service starts automatically after installation. To verify that Docker is running, use:

```
sudo systemctl status docker
```

Some systems may have this behavior disabled and will require a manual start:

```
sudo systemctl start docker
```

3. Verify that the installation is successful by running the `hello-world` image:

```
sudo docker run hello-world
```

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