**Install & uninstall Docker**

**Step 1: Install Docker**

1.1 Uninstall old versions (if any)

sudo apt-get remove docker docker-engine docker.io containerd runc

1.2 Update package index & install prerequisites

sudo apt update

sudo apt install -y ca-certificates curl gnupg

1.3 Add Docker's official GPG key & repository

sudo install -m 0755 -d /etc/apt/keyrings

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo tee /etc/apt/keyrings/docker.asc > /dev/null

sudo chmod a+r /etc/apt/keyrings/docker.asc

echo "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc]

https://download.docker.com/linux/ubuntu $(. /etc/os-release && echo "$VERSION\_CODENAME") stable" | sudo tee

/etc/apt/sources.list.d/docker.list > /dev/null

sudo apt update

1.4 Install Docker

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

1.5 Enable & start Docker service

sudo systemctl enable --now docker

1.6 Verify Docker installation

docker --version

1.7 Add user to Docker group (optional)

sudo usermod -aG docker $USER

newgrp docker

Verify by running:

docker run hello-world

**Uninstall Docker:**

Step-by-Step: Uninstall Docker

docker container stop $(docker container ls -aq)

docker container rm $(docker container ls -aq)

docker rmi $(docker images -q)

Uninstall Docker:

sudo apt-get purge -y docker-engine docker docker.io docker-ce docker-ce-cli

sudo apt-get autoremove -y --purge docker-engine docker docker.io docker-ce

sudo rm -rf /var/lib/docker /etc/docker

sudo rm /etc/apparmor.d/docker

Remove Docker CLI Tools (Optional):

sudo rm /usr/bin/docker

sudo rm /usr/bin/docker-compose

Verify Cleanup:

docker --version # Should return “command not found”

Important cmd:

This will show the actual error message from dockerd (e.g., permission issue, corrupted file, missing dependency, etc.).

sudo journalctl -u docker.service --since "5 minutes ago" | grep -iE "error|fail"

Cmd:

Check space

df -h

**Remove Docker data entirely** (if you're okay losing all containers/images):

sudo rm -rf /var/lib/docker

sudo mkdir -p /var/lib/docker/tmp

sudo chown -R root:root /var/lib/docker

Clear old journal logs completely:

sudo journalctl --rotate

sudo journalctl --vacuum-time=1d

Clean orphaned packages and cache:

sudo apt-get autoremove -y

sudo apt-get clean

**Move Docker storage to another volume** (if / is too small) by editing /etc/docker/daemon.json:

{

"data-root": "/mnt/docker-data"

}