

## Docker setup for Linux:

### 1. Download and install docker

- Follow the directions for your version of linux or for debian/ubuntu you can do the following:

# remove existing install if it exists

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

# update and get deps

```
sudo apt-get update
```

```
sudo apt-get install \
    ca-certificates \
    curl \
    gnupg \
    lsb-release
```

# Add Docker's official GPG key

```
sudo mkdir -p /etc/apt/keyrings
```

```
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o \
/etc/apt/keyrings/docker.gpg
```

# set up the repository

```
echo \
```

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

# Install Docker Engine

```
sudo apt-get update
```

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

- Fedora: <https://docs.docker.com/engine/install/fedora/>
- RHEL: <https://docs.docker.com/engine/install/rhel/>
- SLES: <https://docs.docker.com/engine/install/sles/>

\*\*\* If you are going to use the Auto Run script you may not even need this step (although it's pretty useful to linux users regardless)

### 2. Install git with:

- Check to see if you have the git command by simply typing git into the command line. If it's not on your system install with:
- `sudo apt install git`

3. Configure docker group

- DO NOT RUN DOCKER AS ROOT BEFORE THIS STEP (or preferably at all)
- `sudo groupadd docker` (it might say that docker already exists which is fine)
- Add your user to the docker group:
  - `sudo usermod -aG docker $USER`
- Use the following command to make the change effective, if for some reason it doesn't work, try logging out and back in.
  - `newgrp docker`

4. Verify docker:

- Check that the daemon is running with this command:
  - `systemctl status docker`
  - If for some reason it isn't run:
    - `systemctl start docker`
- Make sure your user was successfully added (make sure the output includes docker):
  - `groups`
  - If there is an error try the previous command with your username.
  - If your user isn't in the group, go back to step 3