**Prerequisites**

Docker requires a 64-bit OS and version 3.10 or higher of the Linux kernel.

To check your current kernel version, open a terminal and use uname -r to display your kernel version:

1. uname -r

3.10.0-229.el7.x86\_64

**Install Docker Engine:**

There are two ways to install Docker Engine. You can [install using the yum package manager](https://docs.docker.com/engine/installation/linux/centos/#install-with-yum). Or you can use curl with the [get.docker.com site](https://docs.docker.com/engine/installation/linux/centos/#install-with-the-script). This second method runs an installation script which also installs via the yum package manager.

**Install with yum**

1. Log into your machine as a user with sudo or root privileges.
2. Make sure your existing packages are up-to-date.
3. #sudo yum **update**
4. Add the yum repo.

5. sudo tee /etc/yum.repos.d/docker.repo <<-'EOF'

[dockerrepo]

name=Docker Repository

baseurl=https://yum.dockerproject.org/repo/main/centos/7/

enabled=1

gpgcheck=1

gpgkey=https://yum.dockerproject.org/gpg

EOF

1. Install the Docker package

# sudo yum **install** docker-**engine**

1. Enable the service.

**#sudo systemctl enable docker.service**

1. Start the Docker daemon.

**# sudo systemctl start docker**

**8.Verify docker is installed correctly by running a test image in a container.**

**#**sudo docker run --rm hello-world

**Install with the script**

1. **Log into your machine as a user with sudo or root privileges.**
2. **Make sure your existing packages are up-to-date.**
3. **$ sudo yum update**
4. **Run the Docker installation script.**
5. **$ curl -fsSL https://get.docker.com/ | sh**

**This script adds the docker.repo repository and installs Docker.**

1. **Enable the service.**
2. **$ sudo systemctl enable docker.service**
3. **Start the Docker daemon.**
4. **$ sudo systemctl start docker**
5. **Verify docker is installed correctly by running a test image in a container.**

**$ sudo docker run --rm hello-world**

Uninstall

**You can uninstall the Docker software with yum.**

1. List the installed Docker packages.
2. $ yum **list** installed | grep docker
3. docker-engine.x86\_64 1.7.1-0.1.el7@/docker-engine-1.7.1-0.1.el7.x86\_64

**Remove the package.**

1. $ sudo yum -y remove docker-engine.x86\_64

This command does not remove images, containers, volumes, or user-created configuration files on your host.

1. **To delete all images, containers, and volumes, run the following command:**
2. $ rm -rf /**var**/lib/docker
3. Locate and delete any user-created configuration files.

Ubuntu:

1. Log into your Ubuntu installation as a user with sudo privileges.
2. Update your APT package index.

$ sudo apt-get **update**

**3…sudo apt-get install docker.io**