

# docker 安装

1. Docker要求CentOS系统的内核版本高于 3.10 ，通过 `uname -r` 命令查看你当前的内核版本是否支持安装docker

```
uname -r
```

2. 更新yum包: `sudo yum update`

```
sudo yum update
```

3. 安装需要的软件包, `yum-utils` 提供`yum-config-manager`功能, 另外两个是`devicemapper`驱动依赖的

```
sudo yum install -y yum-utils device-mapper-persistent-data  
lvm2
```

4. 设置yum源

```
sudo yum-config-manager --add-repo  
https://download.docker.com/linux/centos/docker-ce.repo
```

5. 可以查看所有仓库中所有docker版本, 并选择特定版本安装

```
yum list docker-ce --showduplicates | sort -r
```

```
[root@i2j6cios3psx4hs71evortZ admin]# yum list docker-ce --showduplicates | sort -r
Loading mirror speeds from cached hostfile
Loaded plugins: fastestmirror
Installed Packages
docker-ce.x86_64          3:19.03.5-3.el7          docker-ce-stable
docker-ce.x86_64          3:19.03.4-3.el7          docker-ce-stable
docker-ce.x86_64          3:19.03.3-3.el7          docker-ce-stable
docker-ce.x86_64          3:19.03.2-3.el7          docker-ce-stable
docker-ce.x86_64          3:19.03.1-3.el7          docker-ce-stable
docker-ce.x86_64          3:19.03.0-3.el7          docker-ce-stable
docker-ce.x86_64          3:18.09.9-3.el7          docker-ce-stable
docker-ce.x86_64          3:18.09.8-3.el7          docker-ce-stable
docker-ce.x86_64          3:18.09.7-3.el7          docker-ce-stable
```

6. 安装docker 这里选择的是下面的版本

```
sudo yum install docker-ce-17.12.0.ce
```

7. 启动安装号的docker服务并设置开机启动

```
#启动docker
sudo systemctl start docker
#设置开机启动
sudo systemctl enable docker
```

8. 验证安装是否成功(有client和服务两部分表示docker安装启动都成功了)

```
Available Packages
[root@izj6cios3psx4hs71evortZ admin]# docker version
Client:
Version: 17.12.0-ce
API version: 1.35
Go version: go1.9.2
Git commit: c97c6d6
Built: Wed Dec 27 20:10:14 2017
OS/Arch: linux/amd64
Server:
Engine:
Version: 17.12.0-ce
API version: 1.35 (minimum version 1.12)
Go version: go1.9.2
Git commit: c97c6d6
Built: Wed Dec 27 20:12:46 2017
OS/Arch: linux/amd64
Experimental: false
[root@izj6cios3psx4hs71evortZ admin]#
```

9. 查看docker的启动状态,如果有下图则说明启动成功

```
systemctl status docker
```

```
docker.service - Docker Application Container Engine
Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; vendor preset: disabled)
Active: active (running) since Wed 2019-12-25 00:00:21 CST; 12min ago
Docs: https://docs.docker.com
Main PID: 31545 (dockerd)
CGroup: /system.slice/docker.service
└─31545 /usr/bin/dockerd
   └─31548 docker-containerd --config /var/run/docker/containerd/con...
Dec 25 00:00:20 izj6cios3psx4hs71evortZ dockerd[31545]: time="2019-12-25T00:..."
Dec 25 00:00:20 izj6cios3psx4hs71evortZ dockerd[31545]: time="2019-12-25T00:..."
Dec 25 00:00:21 izj6cios3psx4hs71evortZ dockerd[31545]: time="2019-12-25T00:..."
Dec 25 00:00:21 izj6cios3psx4hs71evortZ dockerd[31545]: time="2019-12-25T00:..."
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Dec 25 00:00:21 izj6cios3psx4hs71evortZ dockerd[31545]: time="2019-12-25T00:..."
Dec 25 00:00:21 izj6cios3psx4hs71evortZ systemd[1]: Started Docker Applicati...
Hint: Some lines were ellipsized, use -l to show in full.
[root@izj6cios3psx4hs71evortZ admin]#
```

## docker卸载

1. 查询docker安装过的包:


```
yum list installed |grep docker
```

```
[root@izj6cios3psx4hs71evortZ admin]# yum list installed|grep docker
docker-ce.x86_64 17.12.0.ce-1.el7.centos @docker-ce
e-stable
[root@izj6cios3psx4hs71evortZ admin]#
```

2. 删除安装包

```
yum remove docker-ce.x86_64 ddocker-ce-cli.x86_64 -y
```

3. 删除docker管理过的容器、镜像等



```
rm -rf /var/lib/docker
```

all ok!