

# Docker

## Docker commands

some commands

- check version `docker version`
- `docker-compose`
- `docker run --rm -it daocloud.io/centos bash`

```
C:\Users\HD.huanghf>docker run --rm -it daocloud.io/centos bash
Unable to find image 'daocloud.io/centos:latest' locally
latest: Pulling from centos
8a29a15cefae: Pull complete
Digest: sha256:9e0c275e0bcb495773b10a18e499985d782810e47b4fce076422acb4bc3da3dd
Status: Downloaded newer image for daocloud.io/centos:latest
```

- `docker run --rm -it daocloud.io/alpine sh`
- `Net stop com.docker.service`
- `Net start com.docker.service`

```
cd "C:\Program Files\Docker\Docker"
./DockerCli.exe -SwitchDaemon
```

Step 1. Load the image from the tar file

```
docker load -i .\plcsim.tar
```

```
C:\Users\HD.huanghf\Python> docker load -i plcsim.tar
1b136cd6de2: Loading layer [=====] 143.2MB/143.2MB
5c231e523110: Loading layer [=====] 29.13MB/29.13MB
1e3cd70f5849: Loading layer [=====] 15.94MB/15.94MB
93bcd19eedf4: Loading layer [=====] 1.809MB/1.809MB
e4c0bb83ee4: Loading layer [=====] 10.43MB/10.43MB
b592760cd24d: Loading layer [=====] 8.228MB/8.228MB
ed8e9fdeeb21: Loading layer [=====] 1.536kB/1.536kB
a9bdb4982629: Loading layer [=====] 171.8MB/171.8MB
6b2ee3668a77: Loading layer [=====] 697.3kB/697.3kB
ee40cd0ca1ec: Loading layer [=====] 2.245MB/2.245MB
02327b88222d: Loading layer [=====] 37.38kB/37.38kB
8f925e82dca2: Loading layer [=====] 8.62MB/8.62MB
e6f09c3e5705: Loading layer [=====] 1.273MB/1.273MB
6471353ef939: Loading layer [=====] 26.11kB/26.11kB
954b8bb79f89: Loading layer [=====] 2.048kB/2.048kB
4ecb5fa13101: Loading layer [=====] 2.56kB/2.56kB
a9498af1036b: Loading layer [=====] 1.789MB/1.789MB
```

if the load is successful, you can find the image after you input the command `docker images`

```
C:\Users\HD.huanghf\Python> docker images
REPOSITORY          TAG         IMAGE ID      CREATED       SIZE
reg-dhc.adc.corpintra.net/isczepa/plcsim   latest     40f3d1a24428  7 days ago   624MB
<none>              <none>     4e5e1299f3b8  4 weeks ago  622MB
daocloud.io/alpine   latest     e7d92cdc71fe  2 months ago  5.59MB
daocloud.io/centos   latest     470671670cac  2 months ago  237MB
centos               latest     470671670cac  2 months ago  237MB
hello-world          latest     fce289e99eb9  15 months ago  1.84kB
```

Step 2.

