

Creating Your First Container

Mobile: 93563-10379

Using Docker

\$ docker version

(check whether docker is available in Google Cloud Shell VM or not)

\$ docker image Is

(it will show docker images)

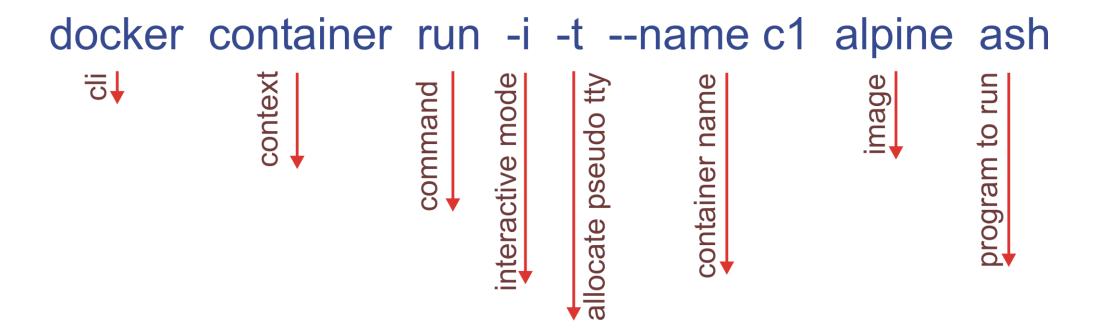
```
vipinkq@cloudshell:~$ docker version
Client: Docker Engine - Community
Version:
                   19.03.8
API version:
                   1.39 (downgraded from 1.40)
Go version:
                   qo1.12.17
                   afacb8b7f0
Git commit:
Built:
                   Wed Mar 11 01:26:02 2020
                   linux/amd64
OS/Arch:
Experimental:
                   false
Server: Docker Engine - Community
Engine:
 Version:
                   18.09.6
 API version:
                   1.39 (minimum version 1.12)
 Go version:
                   go1.10.8
                   481bc77
 Git commit:
 Built:
                   Sat May 4 01:59:36 2019
 OS/Arch:
                   linux/amd64
 Experimental:
                   false
vipinkg@cloudshell:~$
vipinkg@cloudshell:~$ docker image ls
REPOSTTORY
                   TAG
                                       IMAGE ID
vipinkg@cloudshell:~$
vipinkg@cloudshell:~$ docker container ls
CONTAINER ID
                   IMAGE
                                       COMMAND
vipinkg@cloudshell:~$
vipinkg@cloudshell:~$ docker container ls -a
CONTAINER ID
                   IMAGE
                                       COMMAND
vipinkg@cloudshell:~$
```

Using Docker

\$ ifconfig (check IP address)

```
vipinkg@cloudshell:~$ ifconfig
docker0: flags=4099<UP, BROADCAST, MULTICAST> mtu 1500
       inet 172.18.0.1 netmask 255.255.0.0 broadcast 172.18.255.255
       ether 02:42:24:42:ae:42 txqueuelen 0 (Ethernet)
       RX packets 0 bytes 0 (0.0 B)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 0 bytes 0 (0.0 B)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
       inet 172.17.0.2 netmask 255.255.0.0 broadcast 172.17.255.255
       ether 02:42:ac:11:00:02 txqueuelen 0 (Ethernet)
       RX packets 1199 bytes 235374 (229.8 KiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 926 bytes 204499 (199.7 KiB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP, LOOPBACK, RUNNING> mtu 65536
       inet 127.0.0.1 netmask 255.0.0.0
       loop txqueuelen 1000 (Local Loopback)
       RX packets 2380 bytes 394360 (385.1 KiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 2380 bytes 394360 (385.1 KiB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
vipinkg@cloudshell:~$
```

Creating Your First Container



\$ docker container run -i -t --name c1 alpine ash
(It will create container "c1" in interactive mode & allocate pseudo tty)

List Containers

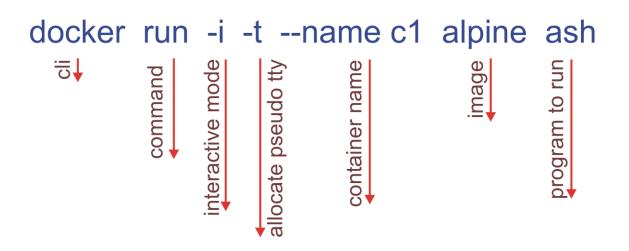
\$ docker container Is

(run this command in other terminal. It will show running containers)

\$ docker container Is -a

(run this command in other terminal. It will show all including stopped containers)

Older Commands for Creating & Listing Containers



```
$ docker run -i -t --name c1 alpine ash
(it will create container "c1" in interactive mode & allocate pseudo tty)
```

\$ docker ps (run this command in other terminal. it will show running containers)

```
$ docker ps -a
(run this command in other terminal. it will show all including stopped containers)
```