

## Step 1

Starts a simple container that will run a containerized version of Ubuntu Linux.

**\$ docker container run -it ubuntu:latest /bin/bash**

```
$ docker container run -it ubuntu:latest /bin/bash
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
952132ac251a: Pull complete
82659f8f1b76: Pull complete
c19118ca682d: Pull complete
8296858250fe: Pull complete
24e0251a0e2c: Pull complete
Digest: sha256:f4691c96e6bbaa99d9...e95a60369c506dd6e6f6ab
Status: Downloaded newer image for ubuntu:latest
root@3027eb644874:/#
```

**root@3403...:/# ls -l**

```
root@3027eb644874:/# ls -l
total 64
drwxr-xr-x  2 root root 4096 Aug 19 00:50 bin
drwxr-xr-x  2 root root 4096 Apr 12 20:14 boot
drwxr-xr-x  5 root root  380 Sep 13 00:47 dev
drwxr-xr-x 45 root root 4096 Sep 13 00:47 etc
drwxr-xr-x  2 root root 4096 Apr 12 20:14 home
drwxr-xr-x  8 root root 4096 Sep 13  2015 lib
drwxr-xr-x  2 root root 4096 Aug 19 00:50 lib64
```

## Step 2

Container process

**\$ root@3403...:/# ps -elf**

```
root@3027eb644874:/# ps -elf
```

F	S	UID	PID	PPID	NI	ADDR	SZ	WCHAN	STIME	TTY	TIME	CMD
4	S	root	1	0	0	-	4558	wait	00:47	?	00:00:00	/bin/bash
0	R	root	11	1	0	-	8604	-	00:52	?	00:00:00	ps -elf

## Step 3

Exit the container

Press **Ctrl+PQ**

Doing this will place you back in the shell of your Docker host and leave the container running in the background.

## Step 4

Verify running containers

**\$ docker container ls**

```
$ docker container ls
```

CNTNR ID	IMAGE	COMMAND	CREATED	STATUS	NAMES
302...74	ubuntu:latest	/bin/bash	6 mins	Up 6mins	sick_montalcini

## Step 5

Re-attach to terminal

**docker container exec -it < container-name-or-ID > bash**

**\$ docker container exec -it "3403.." bash**

```
$ docker container exec -it 3027eb644874 bash
root@3027eb644874:/#
```

## Step 6

Exit the container

```
$ root@3403....:/# exit
```

## Step 7

List running containers

```
$ docker ps
```

```
Luiss-MacBook-Air:log luiscastro$ docker ps
CONTAINER ID        IMAGE               COMMAND                  CREATED             STATUS              PORTS
bf8be8bb0dcf        docker/ucp-metrics:2.2.5  "/bin/entrypoint.sh ..." 8 weeks ago         Up 7 days (healthy)
b07fc3dff685        docker/ucp-auth:2.2.5    "/usr/local/bin/enzi..." 8 weeks ago         Restarting (1) 55 seconds ago
4983830f5501        docker/ucp-auth-store:2.2.5 "rethinkdb --bind al..." 8 weeks ago         Up 7 days (healthy)
a4184d4efb5b        docker/ucp-etcd:2.2.5    "/bin/etcd --data-di..." 8 weeks ago         Up 7 days (healthy)
e5026d2e81ff        docker/ucp-cfssl:2.2.5   "/bin/ucp-ca serve -..." 8 weeks ago         Up 7 days (healthy)
14aec4f8f7f9        docker/ucp-cfssl:2.2.5   "/bin/ucp-ca serve -..." 8 weeks ago         Up 7 days (healthy)
c7302a42a07c        docker/ucp-agent:2.2.5   "/bin/ucp-agent prox..." 8 weeks ago         Up 7 days (healthy)
```

## Step 8

Stop and remove containers

```
$ docker container stop ID
```

```
$ docker container rm ID
```

```
$ docker container stop 3027eb64487
3027eb64487
```

Verify running containers

```
$ docker ps
```