Pulling an image

yolsuh@lenovo: ~ \times olsuh@lenovo:~\$ docker images REPOSITORY TAG IMAGE ID CREATED ST7F f06eadf1e89b suhrab latest 2 weeks ago 168MB ubuntu 72.8MB latest 2b4cba85892a 3 weeks ago 28.8MB docker/getting-started latest bd9a9f733898 6 weeks ago olsuh@lenovo:~\$

@lenovo:~\$ docker search ubun AUTOMATED OFFICIAL DESCRIPTION
Ubuntu is a Debian-based Linux operating sys...
WebSphere Liberty multi-architecture images ...
DEPRECATED, as is Upstart (find other proces...
NeuroDebian provides neuroscience research s...
Open Liberty multi-architecture images based...
DEPRECATED; use "ubuntu" instead
Nginx, a high-performance reverse proxy & we...
MySQL open source fast, stable, multi-thread...
Apache, a secure & extensible open-source HT...
Prometheus is a systems and service monitori...
Ubuntu productivity desktop for Kasm Workspa...
PostgreSQL is an open source object-relation...
Squid is a caching proxy for the Web. Long-t... ubuntu websphere-liberty [OK] 283 [OK] [OK] [OK] [OK] ıbuntu-upstart neurodebian pen-liberty ubuntu-debootstrap ubuntu/nginx 45 37 ubuntu/mysql ubuntu/apache2 ubuntu/prometheus kasmweb/ubuntu-bionic-desktop ubuntu/postgres PostgreSQL is an open source object-relation...
Squid is a caching proxy for the Web. Long-t...
BIND 9 is a very flexible, full-featured DNS...
Redis, an open source key-value store. Long-...
Grafana, a feature rich metrics dashboard & ...
Alertmanager handles client alerts from Prom...
Memcached, in-memory keyvalue store for smal...
Telegraf collects, processes, aggregates & w...
This image is for internal use
Cortex provides storage for Prometheus. Long... ubuntu/bind9 ıbuntu/redis ubuntu/grafana ubuntu/prometheus-alertmanager ubuntu/memcached ubuntu/telegraf circleci/ubuntu-server Cortex provides storage for Prometheus. Long... Cassandra, an open source NoSQL distributed ... Ubuntu base compilation image A base ubuntu image for all broker clients t... ubuntu/cortex ubuntu/cassandra oitnami/ubuntu-base-buildpack snyk/ubuntu rancher/ubuntuconsole olsuh@lenovo:~\$

```
o:~$ docker pull ubuntu:16.04
16.04: Pulling from library/ubuntu
58690f9b18fc: Pull complete
b51569e7c507: Pull complete
da8ef40b9eca: Pull complete
fb15d46c38dc: Pull complete
Digest: sha256:0f71fa8d4d2d4292c3c617fda2b36f6dabe5c8b6e34c3dc5b0d17d4e704bd39c
Status: Downloaded newer image for ubuntu:16.04
docker.io/library/ubuntu:16.04
volsuh@lenovo:~$ docker images
REPOSITORY
                          TAG
                                    IMAGE ID
                                                   CREATED
                                                                   SIZE
                                                   2 weeks ago
suhrab
                          latest
                                    f06eadf1e89b
                                                                   168MB
ubuntu
                          latest
                                                   3 weeks ago
                                    2b4cba85892a
                                                                   72.8MB
docker/getting-started
                          latest
                                    bd9a9f733898
                                                   6 weeks ago
                                                                   28.8MB
ubuntu
                          16.04
                                    b6f507652425
                                                   6 months ago
                                                                   135MB
/olsuh@lenovo:~$
```

```
lsuh@lenovo:~$ docker pull ubuntu:16.10
16.10: Pulling from library/ubuntu
dca7be20e546: Pull complete
40bca54f5968: Pull complete
61464f23390e: Pull complete
d99f0bcd5dc8: Pull complete
120db6f90955: Pull complete
Digest: sha256:8dc9652808dc091400d7d5983949043a9f9c7132b15c14814275d25f94bca18a
Status: Downloaded newer image for ubuntu:16.10
docker.io/library/ubuntu:16.10
/olsuh@lenovo:~$ docker images
REPOSITORY
                         TAG
                                   IMAGE ID
                                                  CREATED
                                                                  SIZE
suhrab
                         latest
                                   f06eadf1e89b
                                                   2 weeks ago
                                                                  168MB
ubuntu
                         latest
                                   2b4cba85892a
                                                  3 weeks ago
                                                                  72.8MB
docker/getting-started
                         latest
                                   bd9a9f733898
                                                                  28.8MB
                                                  6 weeks ago
                         16.04
                                   b6f507652425
                                                  6 months ago
ubuntu
                                                                  135MB
                         16.10
                                   7d3f705d307c
ubuntu
                                                                  107MB
                                                   4 years ago
volsuh@lenovo:~$
      @lenovo:~$ docker rmi ubuntu:16.10
Untagged: ubuntu:16.10
Untagged: ubuntu@sha256:8dc9652808dc091400d7d5983949043a9f9c7132b15c14814275d25f94bca18a
Deleted: sha256:7d3f705d307c7c225398e04d4c4f8512f64eb8a65959a1fb4514dfde18a047e7
Deleted: sha256:d9db289b9342d9617596cd6ee3bba988629e24d9afa5db4e4b0e4e491c65007d
Deleted: sha256:a87725e8597b97f2399bc3aa50b0e2eec903b8ce19055668d3befb012918205c
Deleted: sha256:38cf10a2801529348366953e9b933d3524360dedc91d3e4d5d7f941da0c973c9
Deleted: sha256:61172966249d43026dbd017eec3a9575e37bddf8a269a9f09ecb559d7bfe7fef
Deleted: sha256:57145c01eb80040fdd0a24cde20af4788605b49593188d4f7efab099af89a08e
/olsuh@lenovo:~$ docker images
REPOSITORY
                         TAG
                                   IMAGE ID
                                                   CREATED
                                                                  SIZE
                                                   2 weeks ago
suhrab
                         latest
                                   f06eadf1e89b
                                                                  168MB
ubuntu
                                                                  72.8MB
                         latest
                                   2b4cba85892a
                                                   3 weeks ago
                                                                  28.8MB
docker/getting-started
                         latest
                                   bd9a9f733898
                                                   6 weeks ago
                         16.04
                                   b6f507652425
                                                   6 months ago
ubuntu
                                                                  135MB
/olsuh@lenovo:~$
```

Running our container

```
yolsuh@lenovo: ~
                                                                                                                                                                                   suh@lenovo:~$ docker run ubuntu:16.04 /bin/echo 'Hello Suhrab'
Hello Suhrab
olsuh@lenovo:~$
volsuh@lenovo:
       h@lenovo;~$ docker run ubuntu:16.04 /bin/echo 'Hello Suhrab
Hello Suhrab
                 o:~$ docker ps
IMAGE COMMAND
 ONTAINER ID
                                                 CREATED STATUS
                /o:~$ docker ps -a
D IMAGE
ubuntu:16.04
                                                                                                                    STATUS
Exited (0) 2 minutes ago
Exited (0) 2 weeks ago
 ONTAINER ID
                                                         "/bin/echo 'Hello Su..."
"bash"
"bash"
                                                                                             CREATED
                                                                                                                                                           PORTS
                                                                                                                                                                         NAMES
                                                                                                                                                                         NAMES
elastic_bartik
friendly_cerf
exciting_ramanujan
romantic_shirley
awesome_fermat
                                                                                             2 minutes ago
35cc492a5b75
                                                                                             2 weeks ago
2 weeks ago
2 weeks ago
2 weeks ago
357915e66e6c
                     ubuntu
 b1136999d40
                     ubuntu
                                                         "docker-entrypoint.s.."
"/docker-entrypoint..."
                     docker/getting-started
5401d6509556
```

```
.suh@lenovo:~$ docker run ubuntu:16.04 /bin/bash
 ′olsuh@lenovo:~$
 /olsuh@lenovo:~$ docker ps -a
CONTAINER ID
                           IMAGE
                                                                           COMMAND
                                                                                                                          CREATED
                                                                                                                                                          STAT
                                                                           "/bin/bash"
37f4ade21b36
                           ubuntu:16.04
                                                                                                                          18 seconds ago
                                                                                                                                                          Exit
                                                      "/bin/echo 'Hello Su..."
       ubuntu:16.04
                                                                                                                                     Exited (0) 5 mi
                                                                                                     5 minutes ago
                                                                           "bash"
357915e66e6c
                                                                                                                          2 weeks ago
                                                                                                                                                          Exit
                           ubuntu
                                                                           "bash"
                                                                                                                          2 weeks ago
2b1136999d40
                           ubuntu
                                                                                                                                                          Exit
                                                                           "docker-entrypoint.s..."
ef10ceca9a09
                                                                                                                          2 weeks ago
                                                                                                                                                          Exit
                            suhrab
                                                                           "/docker-entrypoint....
5401d6509556
                            docker/getting-started
                                                                                                                          2 weeks ago
                                                                                                                                                          Exit
 /olsuh@lenovo:~$ docker run -it ubuntu:16.04 /bin/bash
root@2521ac508c14:/#
root@2521ac508c14:/# pwd
root@2521ac508c14:/# ls
bin boot dev etc home lib lib64 media mnt opt proc root run
                                                                                                                                         sbin srv
root@2521ac508c14:/# exit
exit
 /olsuh@lenovo:~$
                                          -d ubuntu:16.04 /bin/sleep 3600
                                   run
8430019b13cc55b00f233bf12bd6dc99c7f27d93cf93b041536a57ac89a99b53
 volsuh@lenovo:~$ docker ps
CONTAINER ID IMAGE
                                             COMMAND
                                                                                                    STATUS
                                                                            CREATED
                                                                                                                            PORTS
                                                                                                                                          NAMES
                                              "/bin/sleep 3600"
                   ubuntu:16.04
                                                                                                                                           modest_feistel
8430019b13cc
                                                                            9 seconds ago
                                                                                                    Up 6 seconds
 olsuh@lenovo:~$
  olsuh@lenovo:~$ docker exec -it 84300 /bin/bash
root@8430019b13cc:/# ps aux
                  PID %CPU %MEM
                                                                                                      TIME COMMAND
USER
                                              VSZ
                                                         RSS TTY
                                                                                STAT START
root
                     1 0.0 0.0
                                             4376
                                                         676 ?
                                                                                        09:46
                                                                                                      0:00 /bin/sleep 3600
                     8 0.8 0.1
                                           18244
                                                        3260 pts/0
                                                                                Ss
                                                                                        09:49
                                                                                                      0:00 /bin/bash
 root
                                                       2924 pts/0
                    19 0.0 0.0 34424
                                                                                        09:49
 root
                                                                                R+
                                                                                                      0:00 ps aux
 root@8430019b13cc:/# exit
exit
 /olsuh@lenovo:~$ docker ps
CONTAINER ID
                        IMAGE
                                                   COMMAND
                                                                                     CREATED
                                                                                                                STATUS
                                                                                                                                          PORTS
                                                                                                                                                           NAME
                                                   "/bin/sleep 3600"
8430019b13cc
                         ubuntu:16.04
                                                                                     3 minutes ago
                                                                                                                Up 3 minutes
                                                                                                                                                           mode
 /olsuh@lenovo:~$
       h@lenovo:~$ docker stop 8430
8430
              vo:~$ docker ps -a
D IMAGE
c ubuntu:16.04
                                                                                                     STATUS
Exited (137) 9 seconds ago
Exited (0) 7 minutes ago
Exited (0) 9 minutes ago
Exited (0) 14 minutes ago
Exited (0) 2 weeks ago
                                                 COMMAND
"/bin/sleep 3600"
"/bin/bash"
"/bin/bash"
 CONTAINER ID
3430019b13cc
                                                                                 CREATED
                                                                                                                                          PORTS
                                                                                                                                                       NAMES
                                                                                 5 minutes ago
2521ac508c14
37f4ade21b36
                  ubuntu:16.04
ubuntu:16.04
                                                                                 8 minutes ago
9 minutes ago
                                                                                                                                                       optimist
flamboya
                                                  "/bin/echo 'Hello Su..."
"bash"
35cc492a5b75
357915e66e6c
                                                                                                                                                       elastic_
friendly
                   ubuntu:16.04
                                                                                 15 minutes ago
                                                                                 2 weeks ago
                                                  "bash"
                                                                                 2 weeks ago
2 weeks ago
2 weeks ago
2b1136999d40
                  ubuntu
                                                "docker-entrypoint.s.."
"/docker-entrypoint..."
 f10ceca9a09
                                                                                                                                                       romanti
 5401d6509556
                  docker/getting-started
                                                                                                                                                       awesome
 CONTAINER ID
                                                                                                                                    PORTS
                 IMAGE
                                               COMMAND
                                                                             CREATED
                                                                                                  STATUS
                                                                                                                                                 NAMES
                                                                                                 STATUS
Exited (137) 9 seconds ago
Exited (0) 7 minutes ago
Exited (0) 9 minutes ago
Exited (0) 14 minutes ago
Exited (0) 2 weeks ago
                                                                                                                                                 modest_feistel
optimistic_sht
flamboyant_wil
elastic_bartik
8430019b13cc
2521ac508c14
                                               "/bin/sleep 3600"
"/bin/bash"
                                                                              5 minutes ago
8 minutes ago
                 ubuntu:16.04
37f4ade21b36
35cc492a5b75
                 ubuntu:16.04
ubuntu:16.04
                                                "/bin/bash"
                                                                              9 minutes ago
15 minutes ago
                                                            'Hello Su..."
                                                                              2 weeks ago
2 weeks ago
2 weeks ago
                                                                                                                                                 friendly_cerf
exciting_rama
 357915e66e6c
                 ubuntu
                                                "bash
 2b1136999d40
ef10ceca9a09
                 ubuntu
suhrab
                                                                                                                                                 exciting_rama
romantic_shir
                                               "docker-entrypoint.s..."
"/docker-entrypoint...."
      6509556 docker/getting-started
h@lenovo:~$ docker rm 84300
                                                                                                                                                 awesome ferma
 401d6509556
rolsuh@lenovo:~p go
Hello and ByeBye!
yolsuh@lenovo:~$ docker ps -a
CONTAINER ID IMAGE
9521ac508c14 ubuntu:16.04
       @lenovo:~$ docker run --rm ubuntu:16.04 /bin/echo 'Hello and ByeBye!'
                                                                                                 STATUS
Exited (0) 10 minutes ago
Exited (0) 12 minutes ago
Exited (0) 17 minutes ago
Exited (0) 2 weeks ago
                                               COMMAND
"/bin/bash"
"/bin/bash"
                                                                                                                                               NAMES
                                                                             CREATED
                                                                                                                                   PORTS
                                                                                                                                               optimistic_shte
flamboyant_wils
elastic_bartik
                                                                              10 minutes ago
37f4ade21b36
35cc492a5b75
                 ubuntu:16.04
ubuntu:16.04
                                                                             12 minutes ago
17 minutes ago
                                                "/bin/echo 'Hello Su..."
                                                                             2 weeks ago
2 weeks ago
2 weeks ago
2 weeks ago
                                                                                                                                               friendly_cerf
exciting_raman
romantic_shirl
 357915e66e6c
                 ubuntu
                                                "bash"
                                              "bash"
"docker-entrypoint.s.."
"/docker-entrypoint..."
2b1136999d40
ef10ceca9a09
                 ubuntu
suhrab
 401d6509556
                                                                                                                                                awesome_fermat
                 docker/getting-started
```