

Assem Tolen, 21MD0172

1-running_containers

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assem@Assem: ~/Projects/software-architecture
assem@Assem:~/Projects/software-architecture$ sudo 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
assem@Assem:~/Projects/software-architecture$ docker pull ubuntu:16.10
Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Post "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/image
s/create?fromImage=ubuntu&tag=16.10": dial unix /var/run/docker.sock: connect: permission denied
assem@Assem:~/Projects/software-architecture$ sudo 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
assem@Assem:~/Projects/software-architecture$ sudo docker search ubuntu
NAME                DESCRIPTION                STARS     OFFICIAL   AUTOMATED
ubuntu              Ubuntu is a Debian-based Linux operating sys... 13961     [OK]
websphere-liberty   WebSphere Liberty multi-architecture images ... 283      [OK]
ubuntu-upstart      DEPRECATED, as is Upstart (find other proces... 112      [OK]
neurodebian         NeuroDebian provides neuroscience research s... 88       [OK]
open-liberty        Open Liberty multi-architecture images based... 51       [OK]
ubuntu-debootstrap  DEPRECATED; use "ubuntu" instead                46      [OK]
ubuntu/nginx        Nginx, a high-performance reverse proxy & we... 38
ubuntu/mysql        MySQL open source fast, stable, multi-thread... 28
ubuntu/apache2      Apache, a secure & extensible open-source HT... 26
ubuntu/prometheus   Prometheus is a systems and service monitori... 22
kasmweb/ubuntu-bionic-desktop  Ubuntu productivity desktop for Kasm Workspa... 21
ubuntu/squid        Squid is a caching proxy for the Web. Long-t... 15
ubuntu/postgres     PostgreSQL is an open source object-relatio... 15
ubuntu/bind9        BIND 9 is a very flexible, full-featured DNS... 13
ubuntu/redis        Redis, an open source key-value store. Long-... 9
ubuntu/grafana       Grafana, a feature rich metrics dashboard & ... 5
ubuntu/prometheus-alertmanager  Alertmanager handles client alerts from Prom... 5
ubuntu/memcached    Memcached, in-memory keyvalue store for smal... 4
ubuntu/telegraf     Telegraf collects, processes, aggregates & w... 3
circlect/ubuntu-server  This image is for internal use                3
ubuntu/cortex       Cortex provides storage for Prometheus. Long... 2
ubuntu/cassandra    Cassandra, an open source NoSQL distributed ... 1
bitnami/ubuntu-base-buildpack  Ubuntu base compilation image                0      [OK]
snky/ubuntu         A base ubuntu image for all broker clients t... 0
rancher/ubuntuconsole 0
assem@Assem:~/Projects/software-architecture$ sudo docker images
REPOSITORY          TAG                IMAGE ID           CREATED            SIZE
invest-strategy_php  latest            8441031ea07e      10 days ago       545MB
invest-strategy_nginx  latest          62ce46220214      10 days ago       182MB
academy-backend_nginx  latest         4e0b289509a6      3 months ago      182MB
academy-backend_php   latest         5a19514df593      3 months ago      548MB
postgres             latest          e94a3bb6f1224     3 months ago      374MB
ubuntu               16.04           b6f507652425      7 months ago      135MB
debian               jessie          3aaeb7a4777       12 months ago     129MB
php                  7.2-fpm         28f52b60203d      15 months ago     398MB
ubuntu               16.10           7d3f705d307c      4 years ago       107MB
nginx                1.10            0346349a1a64      5 years ago       182MB
assem@Assem:~/Projects/software-architecture$ docker rmi 7d3f705d307c
Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Delete "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/ima
ges/7d3f705d307c": dial unix /var/run/docker.sock: connect: permission denied
assem@Assem:~/Projects/software-architecture$ sudo docker images
REPOSITORY          TAG                IMAGE ID           CREATED            SIZE
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invest-strategy_php   latest          8441031ea07e      10 days ago       545MB
academy-backend_nginx  latest         4e0b289509a6      3 months ago      182MB
academy-backend_php   latest         5a19514df593      3 months ago      548MB
postgres             latest          e94a3bb6f1224     3 months ago      374MB
ubuntu               16.04           b6f507652425      7 months ago      135MB
debian               jessie          3aaeb7a4777       12 months ago     129MB
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academy-backend_nginx latest            4e0b289509a6       3 months ago        182MB
academy-backend_php  latest            5a19514df593       3 months ago        548MB
postgres             latest            e94a3bb61224       3 months ago        374MB
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php                  7.2-fpm           28f52b60203d       15 months ago        398MB
ubuntu               16.10             7d3f705d307c       4 years ago          107MB
nginx                1.10              0346349a1a64       5 years ago          182MB
assem@Assem:~/Projects/software-architecture$ sudo docker rmi 7d3f705d307c
Untagged: ubuntu:16.10
Deleted: sha256:7d3f705d307c7c225398e04d4c4f8512f64eb8a65959a1fb4514dfe18a047e7
Deleted: sha256:d9db289b9342d9617596cd6ee3bba988629e24d9afa5db4e4b0e4e491c65007d
Deleted: sha256:a87725e8597b97f2399bc3aa50b0e2eec903b8ce19055668d3befb012918205c
Deleted: sha256:38cf10a2801529348366953e9b933d3524360dedc91d3e4d5d7f941da0c973c9
Deleted: sha256:61172966249d43026dbd017eeca3a9575e37bddf8a269a9f09ecb559d7bfe7fef
Deleted: sha256:57145c01eb80040fdd0a24cde20af4788605b49593188d4f7efab099af89a08e
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php                  7.2-fpm           28f52b60203d       15 months ago        398MB
nginx                1.10              0346349a1a64       5 years ago          182MB
assem@Assem:~/Projects/software-architecture$ sudo docker run ubuntu:16.04 /bin/echo 'Hello world!'
Hello world!
assem@Assem:~/Projects/software-architecture$ sudo docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
assem@Assem:~/Projects/software-architecture$ sudo docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
ea262e8fb834       ubuntu:16.04       "/bin/echo 'Hello wo..." 29 seconds ago      Exited (0) 28 seconds ago              vigorous_bartik
61ed3465c4ae       invest-strategy_nginx "nginx -g 'daemon of..." 10 days ago         Exited (0) 9 days ago                  invest-strategy_nginx_1
643c4094129d       invest-strategy_php "docker-php-entrypoi..." 10 days ago         Exited (0) 9 days ago                  invest-strategy_php_1
c31fe8b30168       academy-backend_nginx "nginx -g 'daemon of..." 13 days ago         Exited (0) 12 days ago                 academy-backend_nginx_1
06878eadb3da       academy-backend_php "docker-php-entrypoi..." 13 days ago         Exited (0) 12 days ago                 academy-backend_php_1
16a5151f946b       postgres:latest    "docker-entrypoint.s..." 13 days ago         Exited (0) 12 days ago                 academy-backend_postgres_1
assem@Assem:~/Projects/software-architecture$ sudo docker run ubuntu:16.04 /bin/bash
assem@Assem:~/Projects/software-architecture$ sudo docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
df0648418a54       ubuntu:16.04       "/bin/bash"         10 seconds ago      Exited (0) 9 seconds ago              clever_lederberg
ea262e8fb834       ubuntu:16.04       "/bin/echo 'Hello wo..." About a minute ago  Exited (0) 59 seconds ago            vigorous_bartik
61ed3465c4ae       invest-strategy_nginx "nginx -g 'daemon of..." 10 days ago         Exited (0) 9 days ago                  invest-strategy_nginx_1
643c4094129d       invest-strategy_php "docker-php-entrypoi..." 10 days ago         Exited (0) 9 days ago                  invest-strategy_php_1
c31fe8b30168       academy-backend_nginx "nginx -g 'daemon of..." 13 days ago         Exited (0) 12 days ago                 academy-backend_nginx_1
06878eadb3da       academy-backend_php "docker-php-entrypoi..." 13 days ago         Exited (0) 12 days ago                 academy-backend_php_1
16a5151f946b       postgres:latest    "docker-entrypoint.s..." 13 days ago         Exited (0) 12 days ago                 academy-backend_postgres_1
assem@Assem:~/Projects/software-architecture$

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assem@Assem:~/Projects/software-architecture$ sudo docker run -it ubuntu:16.04 /bin/bash
root@316f9a4e0b6a:/# pwd
/
root@316f9a4e0b6a:/# ls
bin boot dev etc home lib lib64 media mnt opt proc root run sbin srv sys usr var
root@316f9a4e0b6a:/# exit
exit
assem@Assem:~/Projects/software-architecture$ sudo docker run -d ubuntu:16.04 /bin/sleep 3600
a99b224004efca00fafi0e846f3e1fb54df7d6b56ff89d45dfbb24157f6e91
assem@Assem:~/Projects/software-architecture$ sudo docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
a99b224004ef       ubuntu:16.04       "/bin/sleep 3600"   10 seconds ago      Up 10 seconds              reverent_leavitt
assem@Assem:~/Projects/software-architecture$ sudo docker exec -it be7 /bin/bash
Error: No such container: be7
assem@Assem:~/Projects/software-architecture$ sudo docker exec -it a99 /bin/bash
root@a99b224004ef:/# ps aux
USER      PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root         1  0.0  0.0   4380   656 ?        Ss   09:10   0:00 /bin/sleep 3600
root         8  0.0  0.0  18244  3348 pts/0    Ss   09:12   0:00 /bin/bash
root       18  0.0  0.0  34428  2920 pts/0    R+   09:12   0:00 ps aux
root@a99b224004ef:/# exit
exit
assem@Assem:~/Projects/software-architecture$ sudo docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
a99b224004ef       ubuntu:16.04       "/bin/sleep 3600"   2 minutes ago       Up 2 minutes              reverent_leavitt
assem@Assem:~/Projects/software-architecture$ sudo docker stop a99b
a99b
assem@Assem:~/Projects/software-architecture$ sudo docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
a99b224004ef       ubuntu:16.04       "/bin/sleep 3600"   3 minutes ago       Exited (137) 10 seconds ago            reverent_leavitt
316f9a4e0b6a       ubuntu:16.04       "/bin/bash"         4 minutes ago       Exited (0) 4 minutes ago              modest_chaum
df0648418a54       ubuntu:16.04       "/bin/bash"         7 minutes ago       Exited (0) 7 minutes ago              clever_lederberg
ea262e8fb834       ubuntu:16.04       "/bin/echo 'Hello wo..." 8 minutes ago       Exited (0) 8 minutes ago              vigorous_bartik
61ed3465c4ae       invest-strategy_nginx "nginx -g 'daemon of..." 10 days ago         Exited (0) 9 days ago                  invest-strategy_nginx_1
643c4094129d       invest-strategy_php "docker-php-entrypoi..." 10 days ago         Exited (0) 9 days ago                  invest-strategy_php_1
c31fe8b30168       academy-backend_nginx "nginx -g 'daemon of..." 13 days ago         Exited (0) 12 days ago                 academy-backend_nginx_1
06878eadb3da       academy-backend_php "docker-php-entrypoi..." 13 days ago         Exited (0) 12 days ago                 academy-backend_php_1
16a5151f946b       postgres:latest    "docker-entrypoint.s..." 13 days ago         Exited (0) 12 days ago                 academy-backend_postgres_1
assem@Assem:~/Projects/software-architecture$ sudo docker rm a99b
a99b
assem@Assem:~/Projects/software-architecture$ sudo docker run --rm ubuntu:16.04 /bin/echo 'Hello and goodbye!'
Hello and goodbye!

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