

## docker search nginx

```
root@ubuntu20:/etc# docker search nginx
```

NAME	DESCRIPTION	STARS
nginx	Official build of Nginx.	17366
linuxserver/nginx	An Nginx container, brought to you by LinuxS...	177
bitnami/nginx	Bitnami nginx Docker Image	140
ubuntu/nginx	Nginx, a high-performance reverse proxy & we...	58
bitnami/nginx-ingress-controller	Bitnami Docker Image for NGINX Ingress Contr...	19
rancher/nginx-ingress-controller		11
webdevops/nginx	Nginx container	9
ibmcom/nginx-ingress-controller	Docker Image for IBM Cloud Private-CE (Commu...	4
bitnami/nginx-ldap-auth-daemon		3
rancher/nginx		2

## docker pull nginx

```
root@ubuntu20:/etc# docker pull nginx
Using default tag: latest
latest: Pulling from library/nginx
Digest: sha256:b95a99feebf7797479e0c5eb5ec0bdfa5d9f504bc94da550c2f58e839ea6914f
Status: Image is up to date for nginx:latest
docker.io/library/nginx:latest
```

## docker pull --all-tags mysql

## docker images

```
root@ubuntu20:/etc# docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
nginx	latest	2b7d6430f78d	2 weeks ago	142MB

## docker run <image name>: will run the container

```
root@ubuntu20:/etc# docker run nginx
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2022/09/09 04:37:11 [notice] 1#1: using the "epoll" event method
2022/09/09 04:37:11 [notice] 1#1: nginx/1.23.1
2022/09/09 04:37:11 [notice] 1#1: built by gcc 10.2.1 20210110 (Debian 10.2.1-6)
```

Press Ctrl+C to exit

docker run -it nginx /bin/bash

docker run -d nginx

```
root@ubuntu20:/etc# docker run -d nginx
3361799c8c6db16064cb3ecalf9b5365dc2c2b484736f666703d27bdb990aa1
root@ubuntu20:/etc# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
3361799c8c6d	nginx	"/docker-entrypoint..."	22 seconds ago	Up 22 seconds	80/tcp	eloquent

docker ps

```
root@ubuntu20:/etc# docker run -d nginx
3361799c8c6db16064cb3ecalf9b5365dc2c2b484736f666703d27bdb990aa1
root@ubuntu20:/etc# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
3361799c8c6d	nginx	"/docker-entrypoint..."	22 seconds ago	Up 22 seconds	80/tcp	eloquent

docker stop <container id/ container name>

```
root@ubuntu20:/etc# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS        NAMES
3361799c8c6d   nginx    "/docker-entrypoint..." 22 seconds ago Up 22 seconds 80/tcp       eloquent_tu
root@ubuntu20:/etc# docker stop 3361799c8c6d
3361799c8c6d
root@ubuntu20:/etc#
```

docker rename <old name> <new name>

docker restart <container id>

```
3361799c8c6d
root@ubuntu20:/etc# docker run -d nginx
8ca4b02e84332fc8f14cf09096cc68117cb75f3428c71efdc192be34adb101
root@ubuntu20:/etc# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
8ca4b02e8433	nginx	"/docker-entrypoint..."	3 seconds ago	Up 2 seconds	80/tcp	blissful_proskuriakova

```
root@ubuntu20:/etc# docker restart 8ca4b02e8433
8ca4b02e8433
root@ubuntu20:/etc# docker rename blissful_proskuriakova mynginx
root@ubuntu20:/etc# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
8ca4b02e8433	nginx	"/docker-entrypoint..."	25 seconds ago	Up 15 seconds	80/tcp	mynginx

```
root@ubuntu20:/etc#
```

docker exec -it mynginx bash

```

root@ubuntu20:/etc# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS        NAMES
8ca4b02e8433   nginx    "/docker-entrypoint...." 5 minutes ago  Up 5 minutes  80/tcp       mynginx
root@ubuntu20:/etc# docker exec -it mynginx bash
root@8ca4b02e8433:/#

```

## docker logs <container id/container name>

```

root@ubuntu20:/etc# docker logs 8ca4b02e8433
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2022/09/09 04:52:30 [notice] 1#1: using the "epoll" event method
2022/09/09 04:52:30 [notice] 1#1: nginx/1.23.1
2022/09/09 04:52:30 [notice] 1#1: built by gcc 10.2.1 20210110 (Debian 10.2.1-6)

```

## docker rm <container id/ container name>

```

2022/09/09 04:52:40 [notice] 1#1: start worker process 25
root@ubuntu20:/etc#
root@ubuntu20:/etc# docker rm mynginx
Error response from daemon: You cannot remove a running container 8ca4b02e84332fc8f14cf8f09096cc68117cb75f3428c71efdc192be34adb101. Stop the container before attempting removal or force remove
root@ubuntu20:/etc# docker stop mynginx
mynginx
root@ubuntu20:/etc# docker rm mynginx
mynginx
root@ubuntu20:/etc#

```

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