

Name – Anup Kore

Topic – Docker Basic Commands

Date – 21-04-2023

```
Command Prompt
C:\Users\LENOVO>docker -v
Docker version 20.10.24, build 297e128

C:\Users\LENOVO>docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
2db29710123e: Pull complete
Digest: sha256:4e83453afed1b4fa1a3500525091dbfca6ce1e66903fd4c01ff015dbc1ba33e
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
   (amd64)
3. The Docker daemon created a new container from that image which runs the
   executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it
   to your terminal.

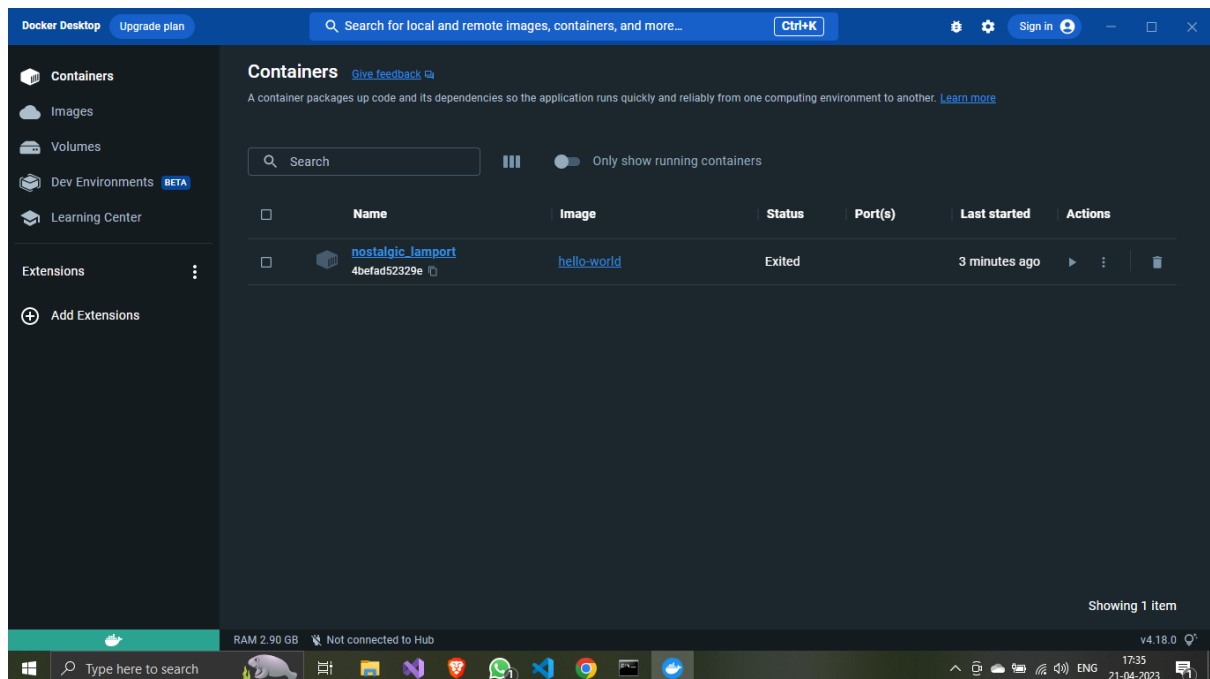
To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/

C:\Users\LENOVO>
C:\Users\LENOVO>docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
hello-world latest fe5d9fea6a5 19 months ago 13.3kB

C:\Users\LENOVO>
C:\Users\LENOVO>
```



```
Command Prompt
C:\Users\LENOVO>docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED          STATUS          PORTS          NAMES
C:\Users\LENOVO>
C:\Users\LENOVO>docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
Digest: sha256:4e83453afed1b4fa1a3500525091dbfca6ce1e66903fd4c01ff015dbc1ba33e
Status: Image is up to date for hello-world:latest
docker.io/library/hello-world:latest
C:\Users\LENOVO>
C:\Users\LENOVO>docker pull openjdk
Using default tag: latest
latest: Pulling from library/openjdk
197c1adc755: Pull complete
57b698b7af4b: Pull complete
95a27dbe0150: Pull complete
Digest: sha256:9b448de897d211c9e0ec635a485650aed6e28d4eca1efbc34940560a480b3f1f
Status: Downloaded newer image for openjdk:latest
docker.io/library/openjdk:latest
C:\Users\LENOVO>
C:\Users\LENOVO>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
openjdk        latest    71260f256d19   2 months ago   470MB
hello-world    latest    feb5d9fea6a5   19 months ago  13.3kB
C:\Users\LENOVO>
C:\Users\LENOVO>
```

```
Command Prompt
C:\Users\LENOVO>
C:\Users\LENOVO>docker search mysql
NAME                DESCRIPTION                STARS     OFFICIAL   AUTOMATED
mysql               MySQL is a widely used, open-source relation... 14055     [OK]
mariadb            MariaDB Server is a high-performing open sou... 5369      [OK]
phpmyadmin         phpMyAdmin - A web interface for MySQL and M... 785       [OK]
percona            Percona Server is a fork of the MySQL relati... 605       [OK]
bitnami/mysql      Bitnami MySQL Docker Image 83
database/mysql-backup Back up mysql databases to... anywhere! 82
linuxserver/mysql-workbench MySQL open source fast, stable, multi-thread... 48
ubuntu/mysql       MySQL open source fast, stable, multi-thread... 45
linuxserver/mysql  A Mysql container, brought to you by LinuxSe... 38
circleci/mysql     MySQL is a widely used, open-source relation... 29
google/mysql       MySQL server for Google Compute Engine 23
rapidfort/mysql    RapidFort optimized, hardened image for MySQL 14
bitnami/mysqld-exporter Mysql configured for running Ilios 4
ilios/mysql        vitess/mysqld 1
vitess/mysqld      vitess/mysqld 1
newrelic/mysql-plugin New Relic Plugin for monitoring MySQL databa... 1
hashicorp/mysql-portworx-demo 0
bitnamicharts/mysql 0
mirantis/mysql 0
docksal/mysql 0
rapidfort/mysql-official RapidFort optimized, hardened image for MySQL 0
rapidfort/mysql8-ib RapidFort optimized, hardened image for MySQL 0
eclipse/mysql      Mysql 5.7, curl, rsync 0
drud/mysql 0
cimg/mysql 0
C:\Users\LENOVO>
C:\Users\LENOVO>
```

Docker Desktop

Upgrade plan

Search for local and remote images, containers, and more...

Ctrl+K

Sign in

Containers

Images

Volumes

Dev Environments BETA

Learning Center

Extensions

Add Extensions

Images

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An image is a read-only template with instructions for creating a Docker container. [Learn more](#)

LocalHubArtifactory EARLY ACCESS

Refresh to see disk usage 2 imagesLast refresh: 22 minutes ago

Search

	Name	Tag	Status	Created	Size	Actions
<input type="checkbox"/>	openjdk 71260f256d19	latest	Unused	2 months ago	469.93 MB	▶ ⋮ 🗑
<input type="checkbox"/>	hello-world feb5d9fea6a5	latest	In use	over 1 year ago	13.25 KB	▶ ⋮ 🗑

Showing 2 items

RAM 3.55 GBNot connected to Hubv4.18.0

Type here to search

17:4721-04-2023

Docker Desktop

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[Give feedback](#)

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

Search

☐ Only show running containers

	Name	Image	Status	Port(s)	Last started	Actions
<input type="checkbox"/>	nostalgic_lampport 4befad52329e	hello-world	Exited		19 minutes ago	▶ ⋮ 🗑
<input type="checkbox"/>	hopeful_lovelace c4b177b61a8a	openjdk	Exited		2 minutes ago	▶ ⋮ 🗑

Showing 2 items

RAM 3.59 GB CPU 0.75%Not connected to Hubv4.18.0

Type here to search

17:5121-04-2023