

19APSE4310

K.R. Senadheera

```
Microsoft Windows [Version 10.0.22631.4602]
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C:\Users\rashm>docker --version
Docker version 27.2.0, build 3ab4256

C:\Users\rashm>docker search hadoop
NAME                DESCRIPTION                STARS     OFFICIAL
apache/hadoop        Apache Hadoop convenience builds    110
vulhub/hadoop        Apache Hadoop container with advanced config... 1
danisla/hadoop       Hadoop image built with native libraries    2
harisekhon/hadoop    Apache Hadoop (HDFS + Yarn, tags 2.2 - 2.8)  72
kiwenlau/hadoop      Run Hadoop Cluster in Docker Containers    26
webis/hadoop         hadoop 2.7.2 image          0
tailtarget/hadoop    Setup a Hadoop cluster with docker.        1
nwmnius/hadoop       Use at your own risk.         5
krdmitriy/hadoop     Hadoop docker image.          3
kubeguide/hadoop     Docker image with Hadoop cluster          5
cloudsuite/hadoop    Hadoop 2.6 (CDH 5.12) base on CentOS with op... 0
aristanetworks/hadoop Apache Hadoop 3.3.1 on top of YARN        2
gelog/hadoop         accupara/hadoop              0
slpcat/hadoop        sbloodys/hadoop              0
mtsrus/hadoop        izone/hadoop                  18
pilchard/hadoop      stellargraph/hadoop           0
laithleo/hadoop      cybermaggedon/hadoop          2
colovu/hadoop        colovu/hadoop                  1
janle88/hadoop       janle88/hadoop                 0
```

```
C:\Users\rashm>docker pull bde2020/hadoop-namenode
Using default tag: latest
latest: Pulling from bde2020/hadoop-namenode
Digest: sha256:fd74118805132d646cf6f12635efc0919e1fb2ac5bd376c5366272fc261301e
Status: Image is up to date for bde2020/hadoop-namenode:latest
docker.io/bde2020/hadoop-namenode:latest

What's next:
View a summary of image vulnerabilities and recommendations → docker scout quickview bde2020/hadoop-namenode

C:\Users\rashm>
```

```
C:\Users\rashm>docker run -it --name hadoop-container -p 9870:9870 -p 8088:8088 bde2020/hadoop-namenode:latest
docker: Error response from daemon: Conflict. The container name "/hadoop-container" is already in use by container "de5e29da0a83dfa9a0711a8d03520c85b267364c555799523f184b0c9cfd2054". You have to remove (or rename) that container to be able to reuse that name.
See 'docker run --help'.

C:\Users\rashm>docker stop hadoop-container
hadoop-container

C:\Users\rashm>docker rm hadoop-container
hadoop-container

C:\Users\rashm>docker run -it --name hadoop-container -p 9870:9870 -p 8088:8088 bde2020/hadoop-namenode:latest
Configuring core
- Setting fs.defaultFS=hdfs://f4cc658abf73:8020
Configuring hdfs
- Setting dfs.namenode.name.dir=file:///hadoop/dfs/name
Configuring yarn
Configuring httpfs
Configuring kms
Configuring mapred
Configuring for multihomed network
Cluster name not specified

C:\Users\rashm>hadoop version
'hadoop' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\rashm>docker start hadoop-container
hadoop-container

C:\Users\rashm>docker exec -it hadoop-container bash

What's next:
Try Docker Debug for seamless, persistent debugging tools in any container or image → docker debug hadoop-container
Learn more at https://docs.docker.com/go/debug-cli/
Error response from daemon: container f4cc658abf7366a184077be9d735ce3f9ca0f1c335907fc7f3ad2c37e59805bf is not running

C:\Users\rashm>hadoop version
'hadoop' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\rashm>
```

19APSE4310
K.R. Senadheera

docker desktop

PERSONAL

Search for images, containers, volumes, extensions...

Ctrl+K

K

Containers

Images

Volumes

Builds

Docker Scout

Extensions

Containers / hadoop-cluster

hadoop-cluster

64ee48d4e803

bde2020/hadoop-namenode:latest

50070:50070

8088:8088

Show all ports (3)

STATUS

Running (4 minutes ago)

Logs

Inspect

Bind mounts

Exec

Files

Stats

2024-11-18 15:30:36 bash: stop: command not found

2024-11-18 15:31:49 root@64ee48d4e803:/# exit

2024-11-18 15:32:03 Configuring core

2024-11-18 15:32:03 - Setting fs.defaultFS=hdfs://64ee48d4e803:8020

2024-11-18 15:32:03 Configuring hdfs

2024-11-18 15:32:03 - Setting dfs.namenode.name.dir=file:///hadoop/dfs/name

2024-11-18 15:32:03 Configuring yarn

2024-11-18 15:32:03 Configuring httpfs

2024-11-18 15:32:03 Configuring kms

2024-11-18 15:32:03 Configuring mapred

2024-11-18 15:32:03 Configuring for multithomed network

2024-11-18 15:33:32 root@64ee48d4e803:/# exit

2024-11-18 15:33:33 Configuring core

2024-11-18 15:33:33 - Setting fs.defaultFS=hdfs://64ee48d4e803:8020

2024-11-18 15:33:33 Configuring hdfs

2024-11-18 15:33:33 - Setting dfs.namenode.name.dir=file:///hadoop/dfs/name

2024-11-18 15:33:33 Configuring yarn

2024-11-18 15:33:33 Configuring httpfs

2024-11-18 15:33:33 Configuring kms

2024-11-18 15:33:33 Configuring mapred

2024-11-18 15:33:33 Configuring for multithomed network

2025-01-06 14:55:37 Configuring core

2025-01-06 14:55:37 - Setting fs.defaultFS=hdfs://64ee48d4e803:8020

2025-01-06 14:55:37 Configuring hdfs

2025-01-06 14:55:37 - Setting dfs.namenode.name.dir=file:///hadoop/dfs/name

2025-01-06 14:55:38 Configuring yarn

2025-01-06 14:55:38 Configuring httpfs

2025-01-06 14:55:38 Configuring kms

2025-01-06 14:55:38 Configuring mapred

2025-01-06 14:55:38 Configuring for multithomed network

Engine running

RAM 1.21 GB CPU 0.42% Disk --- GB avail. of --- GB

BETA

Terminal

New version available

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