A Narendiran PES1UG19CS001 LAB 2

1a.png

> docker run hello-world

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. (arm64v8)
- 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/

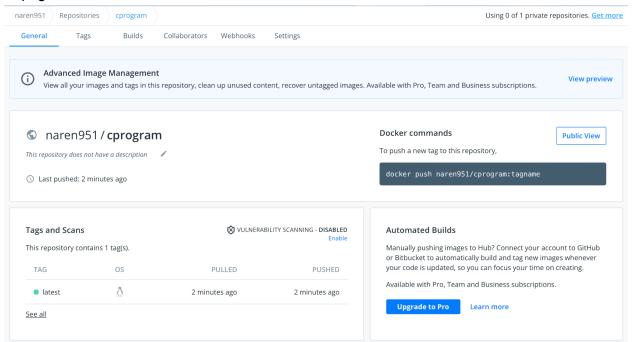
2a.png

<pre>> docker images</pre>				
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
python	latest	fc580556154f	13 days ago	864MB
mongo	latest	c872a4342187	2 weeks ago	663MB
ubuntu	20.04	a457a74c9aaa	2 weeks ago	65.6MB
adithya1/nodeapp	latest	447d48516f6d	3 weeks ago	22.4MB
hello-world	latest	18e5af790473	5 months ago	9.14kB
adithya1/nodeapp	<none></none>	59ce1ef65b50	7 months ago	323MB

2b.png

docker run cprogram Running this inside a container ! My SRN is PES1UG19CS001

2c.png



3a.png

```
docker run -p 80:80 server
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
2022/02/21 06:26:57 [notice] 1#1: using the "epoll" event method
2022/02/21 06:26:57 [notice] 1#1: nginx/1.21.6
2022/02/21 06:26:57 [notice] 1#1: built by gcc 10.2.1 20210110 (Debian 10.2.1-6)
2022/02/21 06:26:57 [notice] 1#1: OS: Linux 5.10.25-linuxkit
2022/02/21 06:26:57 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2022/02/21 06:26:57 [notice] 1#1: start worker processes
2022/02/21 06:26:57 [notice] 1#1: start worker process 32
2022/02/21 06:26:57 [notice] 1#1: start worker process 33
2022/02/21 06:26:57 [notice] 1#1: start worker process 34
2022/02/21 06:26:57 [notice] 1#1: start worker process 35
```

3b.png



3c.png

```
> docker run -dp 27017:27017 mongo

730e8b147377aba664826f19f1d7510573490b55e42e5b9e0038a4f76897d79d
> docker run pymongo
Inserted into the MongoDB database!
Fecthed from MongoDB: {'_id': ObjectId('6213363a611abc4c7bd0174a'), 'Name:': 'A Narendiran', 'SRN': 'PES1UG19CS001'}
> docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
NAMES
730e8b147377 mongo "docker-entrypoint.s..." 6 seconds ago Up 5 seconds 0.0.0.0:27017->27017/tcp, :::27017->27017/tcp serene_bhabha
```

3d.png

3e.png

```
) docker run --network=my-bridge-network pymongo
Inserted into the MongoDB database!
Fecthed from MongoDB: {'_id': ObjectId('6213374494ab8495f0257aac'), 'Name:': 'A Narendiran', 'SRN': 'PES1UG19CS001'}
```

4a.png

```
mongodb_1 | {"t":{"$date":"2022-02-21T07:05:05.215+00:00"},"s":"I", "c":"NETWORK", "id":22943, "ctx":"listener","msg":"Co
nection accepted","attr":{"remote":"172.21.0.3:33466","uuid":"0fd642cb-2084-438c-aeff-84d445578d15","connectionId":2,"connecti
 mongodD_1 | {"t":{"$date":"2022-02-21T07:05:05.215+00:00"},"s":"I", "c":"NETWORK", "id":22943, "ctx":"listener","msg":"Co nection accepted","attr":{"remote":"172.21.0.3:33468","uuid":"beabf61e-595b-4a9f-8f77-1fd837f9bd8a","connectionId":3,"connecti
 nCount":3}}
nCount":3}}
mongodb_1 | {"t":{"$date":"2022-02-21T07:05:05.215+00:00"},"s":"I", "c":"NETWORK", "id":51800, "ctx":"conn2","msg":"clien
metadata","attr":{"remote":"172.21.0.3:33466","client":"conn2","doc":{"driver":{"name":"PyMongo","version":"4.0.1"},"os":{"ty
e":"Linux","name":"Linux","architecture":"aarch64","version":"5.10.25-linuxkit"},"platform":"CPython 3.10.2.final.0"}}}
mongodb_1 | {"t":{"$date":"2022-02-21T07:05:05.216+00:00"},"s":"I", "c":"NETWORK", "id":51800, "ctx":"conn3","msg":"clien
metadata","attr":{"remote":"172.21.0.3:33468","client":"conn3","doc":{"driver":{"name":"PyMongo","version":"4.0.1"},"os":{"ty
e":"Linux","name":"Linux","architecture":"aarch641",version":"5.10.25-linuxkit"},"platform":"CPython 3.10.2.final.0"}}}
e":"Linux","name":"Linux","architecture":"aarch641",version":"5.10.25-linuxkit"},"platform":"CPython 3.10.2.final.0"}}
mongodb_1 | {"t":{"$date":"2022-02-21T07:05:05.219+00:00"},"s":"I", "c":"STORAGE", "id":20320, "ctx":"conn3","msg":"creat
Collection","attr":{"namespace":"sample_db.sample_collection","uuidDisposition":"generated","uuid":{"uuid":{"suuid":"e027dcad-
98d-4db3-938a-655fefa31286"}},"options":{}}
mongodb_1 | {"t":{"$date":"2022-02-21T07:05:05.233+00:00"},"s":"I", "c":"INDEX", "id":20345, "ctx":"conn3","msg":"Index
build: done building","attr":{"buildUUID":null,"namespace":"sample_db.sample_collection","index":"_id","commitTimestamp":null}
 pycode_1
                               | Inserted into the MongoDB database!
 pycode_1
                                   Fecthed from MongoDB: {'_id': ObjectId('621339a02e42ff9cd91dd646'), 'Name:': 'A Narendiran', 'SRN': 'PES1UG19CS0
 mongodb_1 | {"t":{"$date":"2022-02-21T07:05:05.716+00:00"},"s":"I", "c":"-",
                                                                                                                                                                                                                                                "id":20883,
                                                                                                                                                                                                                                                                                      "ctx":"conn1","msg":"Inter
 upted operation as its client disconnected","attr":{"opId":17}}
mongodb_1 | {"t":{"$date":"2022-02-21T07:05:05.719+00:00"},"s":"I", "c":"NETWORK", "id":22944, "ctx":"conn1","msg":"Conne
tion ended","attr":{"remote":"172.21.0.3:33464","uuid":"a4fadd1d-de31-49bd-97f6-fce2df653adb","connectionId":1,"connectionCoun
  ":2}}
 mongodb_1 | {"t":{"$date":"2022-02-21T07:05:05.729+00:00"},"s":"I", "c":"NETWORK", "id":22944, "ctx":"conn3","msg":"Conne tion ended","attr":{"remote":"172.21.0.3:33468","uuid":"beabf61e-595b-4a9f-8f77-1fd837f9bd8a","connectionId":3,"connectionCoun
  1:1}}
 mongodb_1 | {"t":{"$date":"2022-02-21T07:05:05.729+00:00"},"s":"I", "c":"NETWORK", "id":22944, "ctx":"conn2","msg":"Conne tion ended","attr":{"remote":"172.21.0.3:33466","uuid":"0fd642cb-2084-438c-aeff-84d445578d15","connectionId":2,"connectionCoun
  1:0}}
 {\tt compose\_pycode\_1} \ {\tt exited} \ {\tt with} \ {\tt code} \ {\tt 0}
```

4b.png

```
Inserted into the MongoDB database!
pycode_3
                             Fecthed from MongoDB: {'_id': ObjectId('621339a02e42ff9cd91dd646'), 'Name:': 'A Narendiran', 'SRN': 'PES1UG19CS0
mongodb_1 | {"t":{"$date":"2022-02-21T07:09:54.964+00:00"},"s":"I", "c":"NETWORK", "id":22943, "ctx":"listener","msg":"Co nection accepted","attr":{"remote":"172.21.0.5:43302","uuid":"40c7a410-1a99-4795-8123-78fb2aa49a0e","connectionId":4,"connecti
nCount":4}}
mongodb_1 | {"t":{"$date":"2022-02-21T07:09:54.965+00:00"},"s":"I", "c":"NETWORK", "id":51800, "ctx":"conn4","msg":"clien metadata","attr":{"remote":"172.21.0.5:43302","client":"conn4","doc":{"driver":{"name":"PyMongo","version":"4.0.1"},"os":{"ty
e":"Linux", "name":"Linux", "architecture":"aarch64", "version":"5.10.25-linuxkit"}, "platform":"CPython 3.10.2.final.0"}}}
mongodb_1 | {"t":{"$date":"2022-02-21T07:09:54.966+00:00"},"s":"I", "c":"NETWORK", "id":22943, "ctx":"listener","msg":"Co
nection accepted", "attr":{"remote":"172.21.0.5:43304", "uuid":"dffd5db9-a416-453a-8fdc-ece6e07cffc3", "connectionId":5, "connecti
nCount":5}}
mongodb_1 | {"t":{"$date":"2022-02-21T07:09:54.966+00:00"},"s":"I", "c":"NETWORK", "id":22943, "ctx":"listener","msg":"Conection accepted","attr":{"remote":"172.21.0.5:43306","uuid":"cc59d014-d41f-4791-9f78-c7c9c5c2999a","connectionId":6,"connecti
nCount":6}}
ncount":6};
mongodb_1 | {"t":{"$date":"2022-02-21T07:09:54.967+00:00"},"s":"I", "c":"NETWORK", "id":51800, "ctx":"conn6","msg":"clien
metadata","attr":{"remote":"172.21.0.5:43306","client":"conn6","doc":{"driver":{"name":"PyMongo","version":"4.0.1"},"os":{"ty
e":"Linux","name":"Linux","architecture":"aarch64","version":"5.10.25-linuxkit"},"platform":"CPython 3.10.2.final.0")}}
mongodb_1 | {"t":{"$date":"2022-02-21T07:09:54.967+00:00"},"s":"I", "c":"NETWORK", "id":51800, "ctx":"conn5","msg":"clien
metadata","attr":{"remote":"172.21.0.5:43304","client":"conn5","doc":{"driver":{"name":"PyMongo","version":"4.0.1"},"os":{"ty
e":"Linux","name":"Linux","architecture":"aarch64","version":"5.10.25-linuxkit"},"platform":"CPython 3.10.2.final.0"}}}
pycode_1
                          | Inserted into the MongoDB database!
                          Fecthed from MongoDB: {'_id': ObjectId('621339a02e42ff9cd91dd646'), 'Name:': 'A Narendiran', 'SRN': 'PES1UG19CS0
pycode_1
mongodb_1 | {"t":{"$date":"2022-02-21T07:09:54.993+00:00"},"s":"I", "c":"NETWORK", "id":51800, "ctx":"conn8","msg":"clien
metadata","attr":{"remote":"172.21.0.4:43090","client":"conn8","doc":{"driver":{"name":"PyMongo","version":"4.0.1"},"os":{"ty
e":"Linux","name":"Linux","architecture":"aarch64","version":"5.10.25-linuxkit"},"platform":"CPython 3.10.2.final.0"}}}
mongodb_1 | {"t":{"$date":"2022-02-21T07:09:54.994+00:00"},"s":"I", "c":"NETWORK", "id":51800, "ctx":"conn9","msg":"clien
metadata","attr":{"remote":"172.21.0.4:43092","client":"conn9","doc":{"driver":{"name":"PyMongo","version":"4.0.1"},"os":{"ty
e":"Linux","name":"Linux","architecture":"aarch64","version":"5.10.25-linuxkit"},"platform":"CPython 3.10.2.final.0"}}}
                          | Inserted into the MongoDB database!
pycode 2
                          | Fecthed from MongoDB: {'_id': ObjectId('621339a02e42ff9cd91dd646'), 'Name:': 'A Narendiran', 'SRN': 'PES1UG19CS0
pycode_2
1'}
mongodb_1 | {"t":{"$date":"2022-02-21T07:09:55.449+00:00"},"s":"I", "c":"-",
                                                                                                                                                                                                       "id":20883.
                                                                                                                                                                                                                                        "ctx":"conn1"."msq":"Inter
upted operation as its client disconnected","attr":{"opId":13}}
mongodb_1 | {"t":{"$date":"2022-02-21T07:09:55.451+00:00"},"s":"I", "c":"NETWORK", "id":22944, "ctx":"conn1","msg":"Conne
tion ended","attr":{"remote":"172.21.0.3:33498","uuid":"9718b08d-d2f1-4ed3-b2e5-446eae336882","connectionId":1,"connectionCoun
```