

Docker MongoDB

“ Docker MongoDB

MongoDB

NoSQL


1 MongoDB

MongoDB [mongo](#)

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MongoDB

mongo:latest

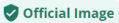

 docker hub

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mongo

 Official Image 

MongoDB document databases provide high availability and easy scalability.

 1B+

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docker pull mongo



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TAG
[4.4.8-rc0-focal](#)
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docker pull mongo:4.4.8-rc0-focal

DIGEST
[6729b51f06c7](#)
[4575a1589b20](#)

OS/ARCH
linux/amd64
linux/arm64/v8

COMPRESSED SIZE ⓘ
163.22 MB
158.71 MB

TAG
[4.4.8-rc0](#)
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docker pull mongo:4.4.8-rc0

DIGEST
[2c3013b79af9](#)
[fd26a5d5d4a0](#)
[6729b51f06c7](#)
[4575a1589b20](#)

OS/ARCH
windows/amd64
windows/amd64
linux/amd64
linux/arm64/v8

COMPRESSED SIZE ⓘ
6.06 GB
2.72 GB
163.22 MB
158.71 MB

docker search mongo

docker image search mongo			
NAME	DESCRIPTION	STARS	OFFICIAL
AUTOMATED			
mongo	MongoDB document databases ...	1989	[OK]
mongo-express	Web-based MongoDB admin int...	22	[OK]
mvertes/alpine-mongo	light MongoDB container	19	[OK]
mongooseim/mongooseim-docker	MongooseIM server the lates...	9	[OK]
torusware/speedus-mongo	Always updated official Mon...	9	[OK]
jacksoncage/mongo	Instant MongoDB sharded cluster	6	[OK]
mongoclient/mongoclient	Official docker image for M...	4	[OK]
jadsonlourengo/mongo-rocks	Percona Mongoddb with Rocks...	4	[OK]
asteris/apache-php-mongo	Apache2.4 + PHP + Mongo + m...	2	[OK]
19hz/mongo-container	Mongoddb replicaset for coreos	1	[OK]
nitra/mongo	Mongo3 centos7	1	[OK]
ackee/mongo	MongoDB with fixed Bluemix p...	1	[OK]
kobotoolbox/mongo	https://github.com/kobotoolb...	1	[OK]
valtlfelipe/mongo	Docker Image based on the la...	1	[OK]

2 MongoDB

```
docker pull mongo:latest
```

```
$ docker pull mongo:latest
latest: Pulling from library/mongo
7ddbc47eeb70: Already exists
c1bbdc448b72: Already exists
8c3b70e39044: Already exists
45d437916d57: Already exists
e119fb0e0a55: Pull complete
91f0b9baelea: Pull complete
53e7c2967f11: Pull complete
69a945568374: Pull complete
93333bc225a7: Pull complete
b9c10bd6c9bd: Pull complete
7f4e3538e99c: Pull complete
1164b51d180a: Pull complete
a715a7d71f27: Pull complete
Digest: sha256:2704b1f2ad53c0c5fb029fc112f99b5e9acdca3ab869095a3f8c6d14b2e3c0f3
Status: Downloaded newer image for mongo:latest
docker.io/library/mongo:latest
```

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mongo

```
docker image ls
```

```
$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
mongo	latest	965553e202a4	10 days ago	363MB
ubuntu	latest	775349758637	10 days ago	64.2MB
mysql	latest	c8ee894bd2bd	3 weeks ago	456MB
centos	centos7	67fa590cfc1c	2 months ago	202MB

latest mongo

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mongo

```
docker run -itd --name mongo -p 27017:27017 mongo --auth
```

```
docker run -d \
--name mongo \
--restart=always \
-p 27017:27017 \
-v /mongo/initdb:/docker-entrypoint-initdb.d \
-v /mongo/datadic:/data/db \
```

```

-v /mongo/configdb: /data/configdb \
-e MONGO_INITDB_ROOT_USERNAME=mongoadmin \
-e MONGO_INITDB_ROOT_PASSWORD=123456 \
-e MONGO_INITDB_DATABASE=test \
mongo: 4. 4. 8 -- auth

db.createUser( { user: 'mongoadmin', pwd: '123456', roles: [ { role: 'userAdminAnyDatabase', db:
'admin' }, "readWriteAnyDatabase" ] } );

db.auth('mongoadmin', '123456')

mongorestore -h 10.44.111.123:27017 -u mongoadmin -p 123456 --authenticationDatabase admin -d
v3 ./

```

- -p 27017:27017 27017 27017 ip:27017 mongo
- --auth

```

$ docker run -itd --name mongo -p 27017:27017 mongo --auth
4dab3f4f2411f8f2da79fa5777218075a22981a38eabd3745069156128541c4

```

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```
docker container ps
```

```

$ docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS                               NAMES
4dab3f4f2411   mongo     "docker-entrypoint.s..." 47 minutes ago Up 47 minutes 0.0.0.0:27017->27017/tcp            mongo
ba5e950b27c4   mysql     "docker-entrypoint.s..." About an hour ago Up About an hour 0.0.0.0:3306->3306/tcp, 33060/tcp   mysql-test
618230034a10   centos:centos7 "/bin/bash"             3 hours ago   Up 3 hours                               centos-test
b62f21493eba   ubuntu   "/bin/bash"             4 hours ago   Up 4 hours                               ubuntu-test

```

```

docker container exec -it mongo mongo admin

#      admin      123456

> db.createUser( { user: 'admin', pwd: '123456', roles: [ { role: 'userAdminAnyDatabase', db:
'admin' }, "readWriteAnyDatabase" ] } );

#

> db.auth('admin', '123456')

```

```
$ docker exec -it mongo mongo admin
MongoDB shell version v4.2.1
connecting to: mongodb://127.0.0.1:27017/admin?compressors=disabled&gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("ab114b66-fcc2-49c9-bc7b-244368bd044c") }
MongoDB server version: 4.2.1
> db.createUser({ user:'admin',pwd:'123456',roles:[ { role:'userAdminAnyDatabase', db: 'admin' }]});
Successfully added user: {
  "user" : "admin",
  "roles" : [
    {
      "role" : "userAdminAnyDatabase",
      "db" : "admin"
    }
  ]
}
> db.auth(' admin', '123456')
1
>
```

Revision #6

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