

Команды для развёртывания MongoDB

1) Извлечение образа MongoDB

Команда:

```
docker pull mongodb/mongodb-community-server:latest
```

Результат:

```
C:\>docker pull mongodb/mongodb-community-server:latest
latest: Pulling from mongodb/mongodb-community-server
a8b1c5f80c2d: Pull complete
a25110198843: Pull complete
0eb5df3450c0: Pull complete
09861ac9ef8c: Pull complete
5ac41c18ff18: Pull complete
f7dfa92dbf02: Pull complete
496c107866cb: Pull complete
c77432dde0ad: Pull complete
4f4fb700ef54: Pull complete
6e9019b6b774: Pull complete
Digest: sha256:2fe68a926f98aade54c3b95332d5069124f18318cd9fc99161f9cef0504e0df3
Status: Downloaded newer image for mongodb/mongodb-community-server:latest
docker.io/mongodb/mongodb-community-server:latest
```

2) Запуск контейнера

Команда:

```
docker run --name mongodb -p 27017:27017 -d
mongodb/mongodb-community-server:latest
```

Результат:

```
C:\>docker run --name mongodb -p 27017:27017 -d mongodb/mongodb-community-server:latest
585bafa675068edefadd4611e3f5c6e0cbfc9fd3920bff4b6513f60ad2ed49ee
```

Демонстрация работы

```

Please enter a MongoDB connection string (Default: mongodb://localhost/): mongodb://localhost/
mongodb://localhost/
Current Mongosh Log ID: 663650f2fe3ad0063746b798
Connecting to:      mongodb://localhost/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.2.5
Using MongoDB:      7.0.9
Using Mongosh:      2.2.5

For mongosh info see: https://docs.mongodb.com/mongosh-shell/

=====
The server generated these startup warnings when booting
 2024-05-04T14:26:31.892+00:00: Using the XFS filesystem is strongly recommended with the WiredTiger storage engine. See http://dochub.mongodb.org/core/prodnotes-filesystem
 2024-05-04T14:26:32.572+00:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
 2024-05-04T14:26:32.573+00:00: /sys/kernel/mm/transparent_hugepage/enabled is 'always'. We suggest setting it to 'never' in this binary version
 2024-05-04T14:26:32.573+00:00: vm.max_map_count is too low
=====

```

Создание базы данных, коллекции, элемента коллекции.
Получение списка коллекций и списка элементов коллекций

```

test> use MyDB
switched to db MyDB
MyDB> db.Human.insertOne({name: "Nicita"});
{
  acknowledged: true,
  insertedId: ObjectId('66365a7cfe3ad0063746b799')
}
MyDB> show collections
Human
MyDB> db.Human.find()
[ { _id: ObjectId('66365a7cfe3ad0063746b799'), name: 'Nicita' } ]
MyDB> |

```