

Install MongoDB Community Edition


Follow these steps to install MongoDB Community Edition using the `apt` package manager.

Open a new Terminal and issue commands as given in below steps.

Step 1: Import the public key used by the package management system.

Command :

```
wget -qO - https://www.mongodb.org/static/pgp/server-6.0.asc | sudo apt-key add -
```

A terminal window with a dark purple background. The prompt is 'pratik@pratik-L:~\$'. The command entered is 'wget -qO - https://www.mongodb.org/static/pgp/server-6.0.asc | sudo apt-key add -'. The output shows a warning: 'Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (see apt-key(8)).' followed by 'OK'. A blue arrow points to the 'OK' text.

```
pratik@pratik-L:~$ wget -qO - https://www.mongodb.org/static/pgp/server-6.0.asc | sudo apt-key add -
Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (see apt-key(8)).
OK
```

The operation should respond with an `OK`.

However, if you receive an error indicating that `gnupg` is not installed, you can:

A) Install `gnupg` and its required libraries using the following command:

```
sudo apt-get install gnupg
```

B) Once installed, retry importing the key:

```
wget -qO - https://www.mongodb.org/static/pgp/server-6.0.asc | sudo apt-key add -
```

The operation should respond with an `OK`.

Step 2: Create a list file for MongoDB.

Command :

```
echo "deb [ arch=amd64,arm64 ] https://repo.mongodb.org/apt/ubuntu jammy/mongodb-org/6.0 multiverse" | sudo tee /etc/apt/sources.list.d/mongodb-org-6.0.list
```

```
pratik@pratik-L:~$ echo "deb [ arch=amd64,arm64 ] https://repo.mongodb.org/apt/ubuntu jammy/mongodb-org/6.0 multiverse" | sudo tee /etc/apt/sources.list.d/mongodb-org-6.0.list
deb [ arch=amd64,arm64 ] https://repo.mongodb.org/apt/ubuntu jammy/mongodb-org/6.0 multiverse
```



The operation will respond with an O/P starting with “deb” as shown by arrow in above screenshot.

Step 3: Reload local package database.

Command :

```
sudo apt-get update
```

```
pratik@pratik-L:~$ sudo apt-get update
Hit:1 http://packages.microsoft.com/repos/code stable InRelease
Ign:2 https://repo.mongodb.org/apt/ubuntu jammy/mongodb-org/6.0 InRelease
Hit:3 https://packages.microsoft.com/repos/vscode stable InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Hit:5 https://dl.google.com/linux/chrome/deb stable InRelease
Hit:6 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease
Get:7 https://repo.mongodb.org/apt/ubuntu jammy/mongodb-org/6.0 Release [3,094 B]
Hit:8 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:9 http://security.ubuntu.com/ubuntu jammy-security InRelease
Get:10 https://repo.mongodb.org/apt/ubuntu jammy/mongodb-org/6.0 Release.gpg [801 B]
Get:11 https://repo.mongodb.org/apt/ubuntu jammy/mongodb-org/6.0/multiverse arm64 Packages [12.3 kB]
Get:12 https://repo.mongodb.org/apt/ubuntu jammy/mongodb-org/6.0/multiverse amd64 Packages [13.9 kB]
Fetched 30.1 kB in 2s (13.3 kB/s)
Reading package lists... Done
W: https://repo.mongodb.org/apt/ubuntu/dists/jammy/mongodb-org/6.0/Release.gpg: Key is stored in legacy trusted.gpg keyring (/etc/apt/trusted.gpg), see the DEPRECATION section in apt-key(8) for details.
```

Step 4: Install the MongoDB packages.

Command :

sudo apt-get install -y mongodb-org

```
pratik@pratik-L:~$ sudo apt-get install -y mongodb-org
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
```

Step 5: Start MongoDB.

Command :

sudo systemctl start mongod

```
Setting up mongodb-org-tools (6.0.5) ...
Setting up mongodb-org (6.0.5) ...
Processing triggers for man-db (2.10.2-1) ...
pratik@pratik-L:~$ sudo systemctl start mongod
```

Step 6: Verify that MongoDB has started successfully.

Command :

sudo systemctl status mongod

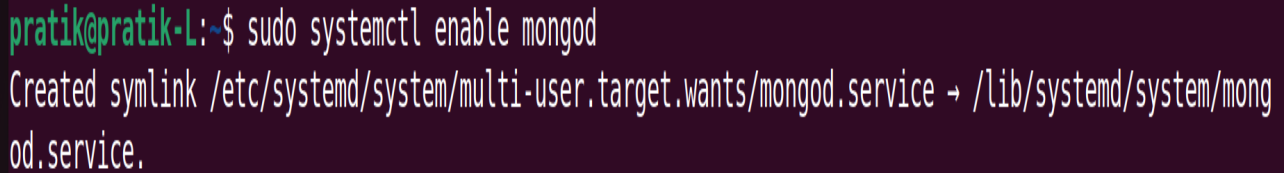
```
pratik@pratik-L:~$ sudo systemctl status mongod
● mongod.service - MongoDB Database Server
   Loaded: loaded (/lib/systemd/system/mongod.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2023-03-24 22:59:48 IST; 2min 45s ago
     Docs: https://docs.mongodb.org/manual
    Main PID: 8527 (mongod)
      Memory: 66.6M
         CPU: 1.664s
    CGroup: /system.slice/mongod.service
            └─8527 /usr/bin/mongod --config /etc/mongod.conf

Mar 24 22:59:48 pratik-L systemd[1]: Started MongoDB Database Server.
set mark: ...skipping...
● mongod.service - MongoDB Database Server
```

Step 7: Ensure that MongoDB will start following a system reboot by issuing the following command.

Command :

sudo systemctl enable mongod

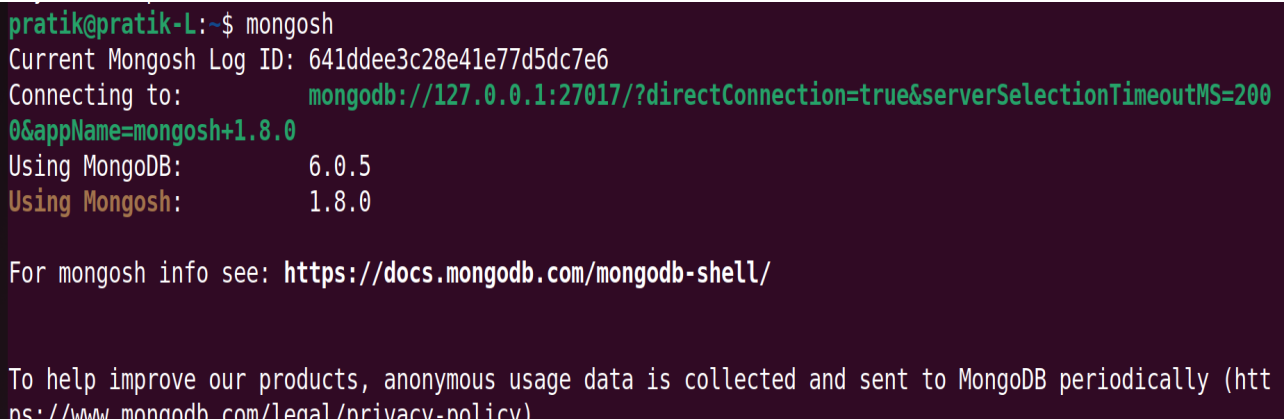


```
pratik@pratik-L:~$ sudo systemctl enable mongod
Created symlink /etc/systemd/system/multi-user.target.wants/mongod.service -> /lib/systemd/system/mongod.service.
```

Step 8: Begin using MongoDB.

Command :

mongosh



```
pratik@pratik-L:~$ mongosh
Current Mongosh Log ID: 641ddee3c28e41e77d5dc7e6
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1.8.0
Using MongoDB:      6.0.5
Using Mongosh:      1.8.0

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

To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy)
```

Enable MongoDB's free cloud-based monitoring service, which will then receive and display metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you and anyone you share the URL with. MongoDB may use this information to make product improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: `db.enableFreeMonitoring()`

To permanently disable this reminder, run the following command: `db.disableFreeMonitoring()`

test> 

1) Stop MongoDB.

Command :

```
sudo systemctl stop mongod
```

2) Restart MongoDB.

Command :

```
sudo systemctl restart mongod
```

For more information,

Click to open below link...

<https://www.mongodb.com/docs/manual/tutorial/install-mongodb-on-ubuntu/>