

MongoDB - Installation

Topics : [MongoDB](#)

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To install MongoDB, you can follow the steps outlined below. The installation process might vary slightly depending on your operating system. Here, I'll cover installations for popular operating systems: Windows, macOS, and Linux.

Windows:

1. Download MongoDB Installer:

- Visit the official MongoDB website: MongoDB Download Center.
- Choose the "Community Server" tab and select the appropriate version for Windows.
- Download the installer (MSI).

2. Run the Installer:

- Run the downloaded MSI installer.
- Follow the installation wizard, accepting the default options. You can customize the installation directory if needed.

3. Complete the Installation:

- The installer will prompt you to install MongoDB Compass, a graphical user interface for MongoDB. You can choose to install it or skip it.
- Complete the installation process.

4. Verify Installation:

- Open a Command Prompt and run the following command to start the MongoDB server:

```
mongod
```

- Open another Command Prompt and run the following command to open the MongoDB shell:

```
mongo
```

macOS:

1. Install Homebrew (if not installed):

- Open Terminal.
- Install Homebrew using the following command:

```
/bin/bash -c "$(curl -fsSL
https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)
"
```

2. Install MongoDB:

- Run the following command to install MongoDB using Homebrew:

```
brew tap mongodb/brew
brew install mongodb-community
```

3. Start MongoDB:

- Run the following command to start MongoDB:

```
brew services start mongodb-community
```

4. Verify Installation:

- Open a new Terminal window and run the MongoDB shell:

```
mongo
```

Linux (Ubuntu/Debian):

1. Import MongoDB GPG Key:

- Open a terminal and import the MongoDB GPG key:

```
wget -q0 - https://www.mongodb.org/static/pgp/server-5.0.asc | sudo
apt-key add -
```

2. Add MongoDB Repository:

- Add the MongoDB repository to the sources list:

```
echo "deb [ arch=amd64,arm64 ] https://repo.mongodb.org/apt/ubuntu
$(lsb_release -cs)/mongodb-org/5.0 multiverse" | sudo tee
/etc/apt/sources.list.d/mongodb-org-5.0.list
```

3. Install MongoDB:

- Update the package list and install MongoDB:

```
sudo apt-get update
```

```
sudo apt-get install -y mongodb-org
```

4. Start MongoDB:

- Start the MongoDB service:

```
sudo systemctl start mongod
```

5. Enable MongoDB to Start on Boot:

- Enable MongoDB to start on system boot:

```
sudo systemctl enable mongod
```

6. Verify Installation:

- Open a terminal and run the MongoDB shell:

```
mongo
```

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