

MongoDB Installation Guide

Prerequisites

Before installing MongoDB, ensure that your system meets the following requirements:

- Operating System: Windows, macOS, or Linux
 - Minimum RAM: 2GB (4GB recommended)
 - Disk Space: At least 10GB free
 - Administrator/root privileges
-

Installation on Windows

Step 1: Download MongoDB

1. Visit the official MongoDB website: <https://www.mongodb.com/try/download/community>
2. Select the **Windows** version.
3. Download the `.msi` installer.

Step 2: Install MongoDB

1. Run the `.msi` installer.
2. Select "Complete" setup type.
3. Choose whether to install MongoDB as a **Windows Service** (recommended).
4. Complete the installation process.

Step 3: Verify Installation

Open **Command Prompt** and run:

```
mongod --version
```

1. This should display the installed version.

To start MongoDB, run:

```
net start MongoDB
```

To run MongoDB, you can use the following commands based on your operating system:

Windows

Start MongoDB as a Windows service:

net start MongoDB

If not installed as a service, navigate to the MongoDB installation directory and run:

mongod

macOS (Homebrew)

brew services start mongodb-community@6.0

Linux (Ubuntu)

sudo systemctl start mongod

To verify MongoDB is running, you can check the status:

mongo

Would you like me to add this information to your guide?

Installation on macOS

Step 1: Install Homebrew (if not installed)

Run the following command:

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

Step 2: Install MongoDB

***brew tap mongodb/brew
brew install mongodb-community@6.0***

Step 3: Start MongoDB Service

brew services start mongodb-community@6.0

Step 4: Verify Installation

Run:

mongod --version

Installation on Linux (Ubuntu)

Step 1: Import the MongoDB GPG Key

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

Step 2: Add MongoDB Repository

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

Step 3: Install MongoDB

*sudo apt update
sudo apt install -y mongodb-org*

Step 4: Start and Enable MongoDB Service

*sudo systemctl start mongod
sudo systemctl enable mongod*

Step 5: Verify Installation

mongod --version

Connecting to MongoDB

To connect to MongoDB, run:

mongo

You should see the MongoDB shell prompt (**>**), indicating a successful installation.

Uninstallation

Windows

1. Open **Control Panel > Programs and Features**.
2. Select MongoDB and click **Uninstall**.
3. Delete the **C:\Program Files\MongoDB** directory manually.

macOS

```
brew uninstall mongodb-community@6.0
```

Linux (Ubuntu)

```
sudo apt purge mongodb-org*  
sudo rm -r /var/log/mongodb /var/lib/mongodb
```

This guide provides a step-by-step method to install MongoDB on different operating systems.

For further details, visit the official MongoDB documentation:

<https://www.mongodb.com/docs/manual/installation/>