How to obtain and install MongoDB Community Edition (current version: 4.4.x)

For Windows:

1. Using the default MSI installation wizard (i.e. using the MongoDB Installer wizard, which will install both the MongoDB binaries as well as the default configuration file at `<install directory>\bin\mongod.cfg`).

   Prerequisites: Check and make sure your Windows machine/OS is one of the following:

   - 64-bit Windows Server 2019 on x86_64 architecture
   - 64-bit Windows 10 on x86_64 architecture
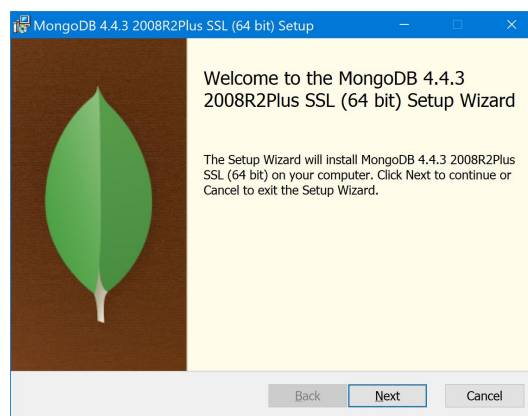   - 64-bit Windows Server 2016 on x86_64 architecture

   1.1. **Download the installer.**

   Download the MongoDB Community `.msi` installer from the following link:
   https://www.mongodb.com/try/download/community?tck=docs_server

   1. In the **Version** dropdown, select the version of MongoDB to download.
   2. In the **Platform** dropdown, select **Windows**.
   3. In the **Package** dropdown, select **msi**.
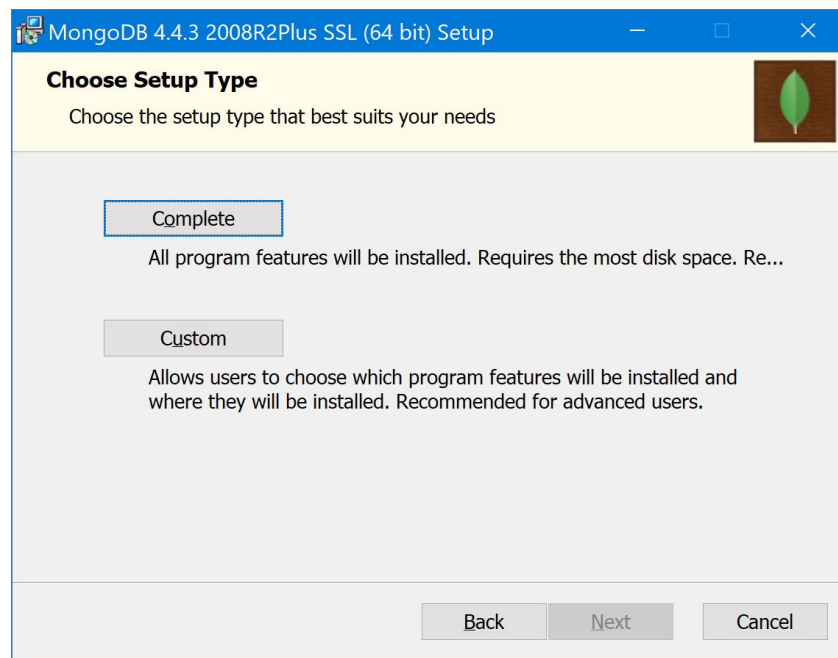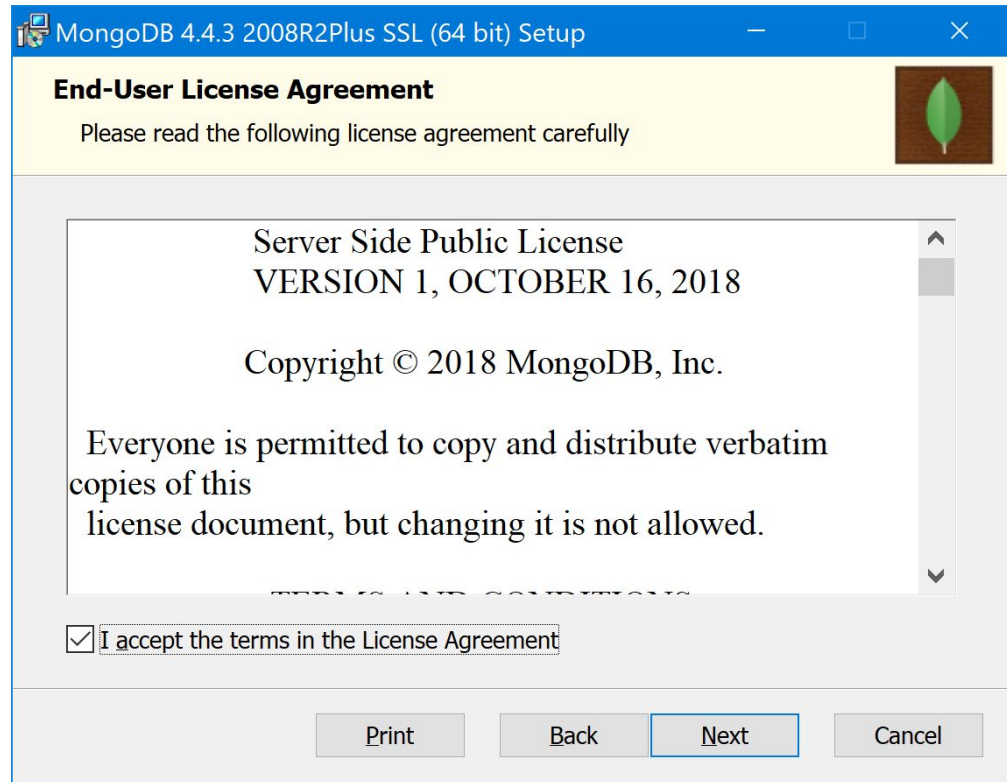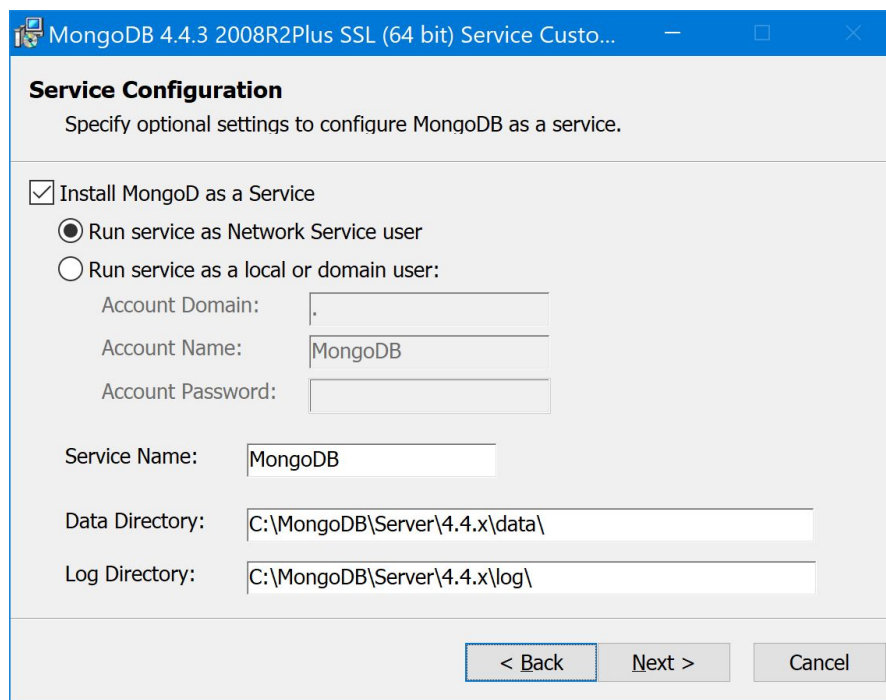   4. Click **Download**.
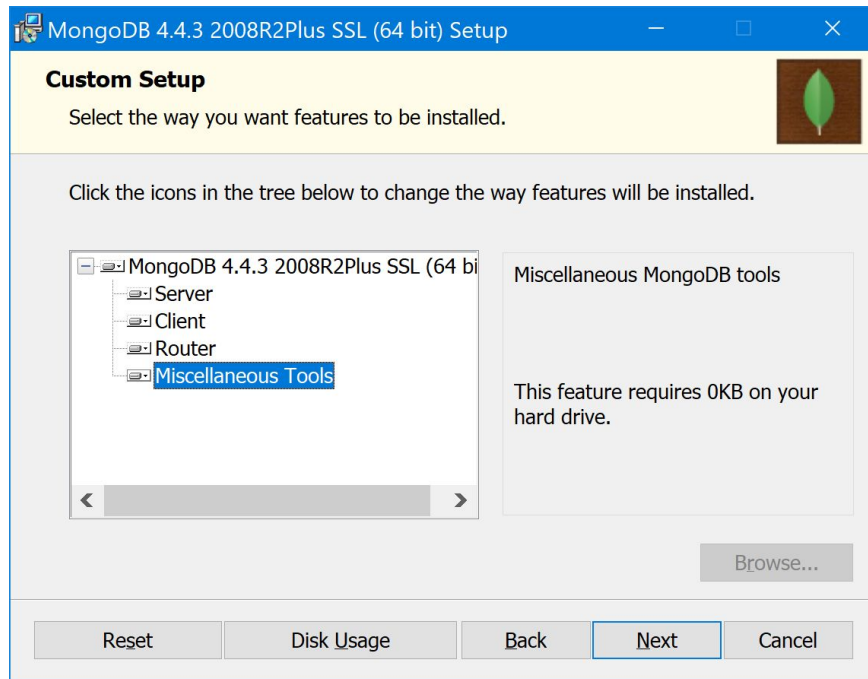
   1.2. **Run the MongoDB installer.**

   1.2.1. Go to the directory where you downloaded the MongoDB installer (`.msi` file). By default, this is your `Downloads` directory.
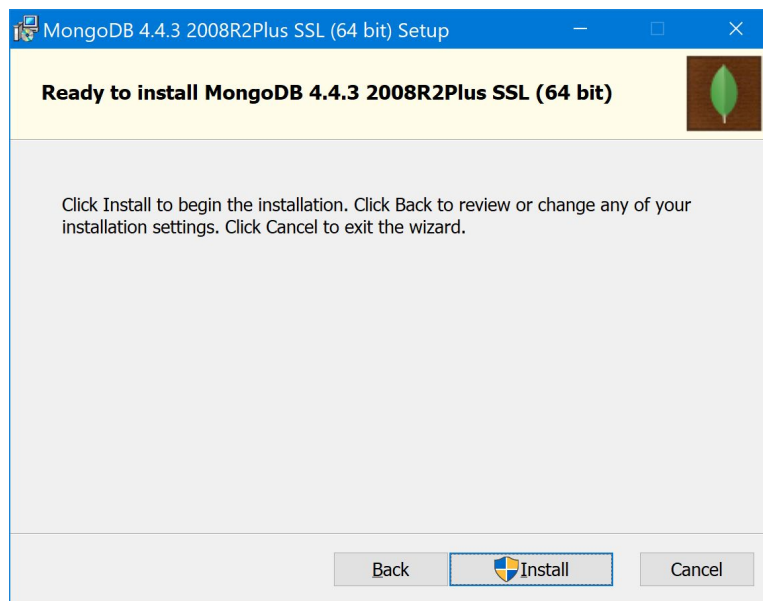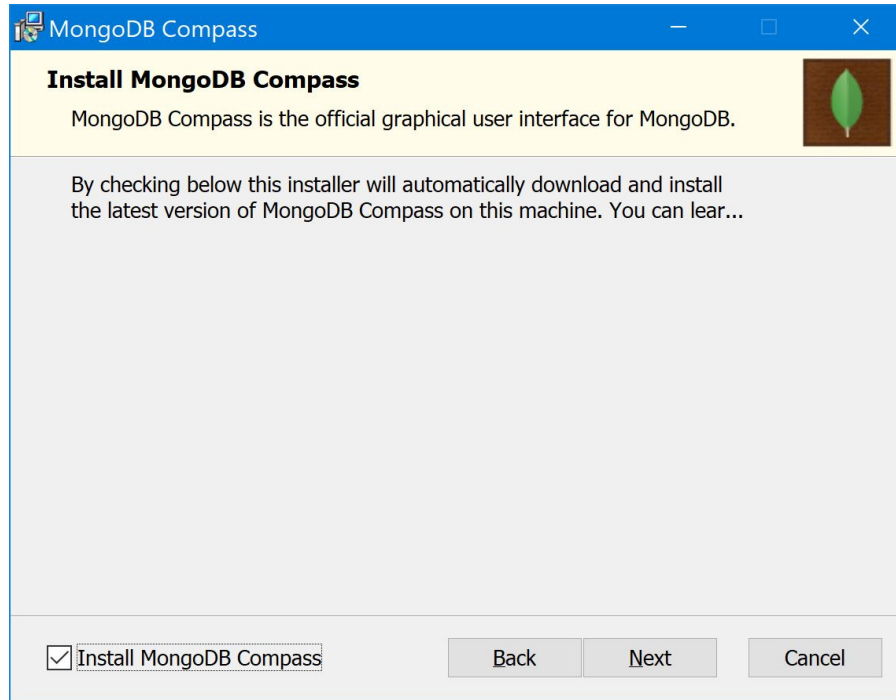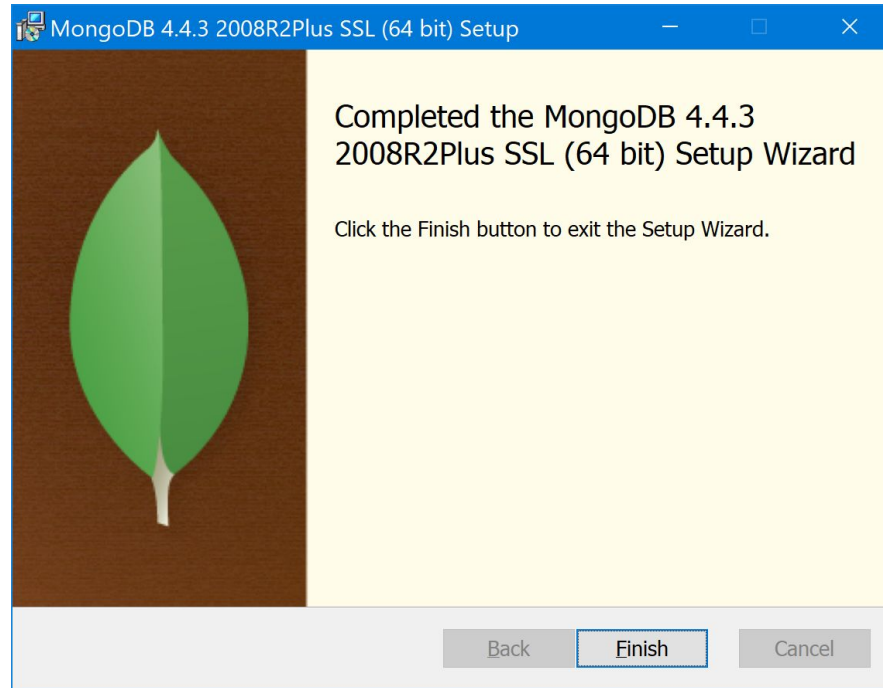   1.2.2. Double-click the `.msi` file.

1.3. Follow the MongoDB Community Edition installation wizard

The wizard steps you through the installation of MongoDB and MongoDB Compass.

MongoDB 4.4.3 2008R2Plus SSL (64 bit) Setup

Custom Setup

Select the way you want features to be installed.

Click the icons in the tree below to change the way features will be installed.

- MongoDB 4.4.3 2008R2Plus SSL (64 bi
  - Server
  - Client
  - Router
  - Miscellaneous Tools

Miscellaneous MongoDB tools

This feature requires 0KB on your hard drive.

Browse...

Reset   Disk Usage   Back   Next   Cancel

MongoDB 4.4.3 2008R2Plus SSL (64 bit) Service Custo...

Service Configuration

Specify optional settings to configure MongoDB as a service.

☑ Install MongoD as a Service

- ● Run service as Network Service user
- ○ Run service as a local or domain user:

  Account Domain: .

  Account Name: MongoDB

  Account Password:

Service Name: MongoDB

Data Directory: C:\MongoDB\Server\4.4.x\data\

Log Directory: C:\MongoDB\Server\4.4.x\log\

< Back   Next >   Cancel

MongoDB Compass

Install MongoDB Compass

MongoDB Compass is the official graphical user interface for MongoDB.

By checking below this installer will automatically download and install the latest version of MongoDB Compass on this machine. You can lear...

☑ Install MongoDB Compass   Back   Next   Cancel

MongoDB 4.4.3 2008R2Plus SSL (64 bit) Setup

Ready to install MongoDB 4.4.3 2008R2Plus SSL (64 bit)

Click Install to begin the installation. Click Back to review or change any of your installation settings. Click Cancel to exit the wizard.

Back   🛡Install   Cancel

1.4. **If You Installed MongoDB as a Windows Service,**

Then, the MongoDB service is started upon successful installation.

1.5. To begin using MongoDB, connect a `mongo.exe` shell to the running MongoDB instance, by doing the following:

    1.5.1. open a **Command Interpreter window (i.e. Windows Command Prompt or Powershell)** with Administrative privileges and run: <installation directory>`\bin\mongo.exe`

        Note: Make sure to cd (i.e. chdir) to the mongodb installation path.

1.5.2. Execute the mongo shell command, show dbs, to display a list of all existing databases in the MongoDB server instance

1.5.3. Execute -
> **use students-registration-db**
to create (or switch to) a database named, students-registration-db.

1.5.4. Execute -
> **show collections**
to display any existing collections in the database. Note: It will show none, as this is a brand new empty database, you have just created.

1.5.5. Execute -
> **db.studentsCollection.insert({"student-id": "000-11-0001", "name": "Ana Smith", "adm-date":"2021-01-11"})**

To initialize a new collection named, studentsCollection and insert a new student record/document into it.

```
Administrator: Command Prompt - bin\mongo                                    —  □  ×
Implicit session: session { "id" : UUID("ec84992a-54ec-44bc-83ed-4cee9c5346cc") }
MongoDB server version: 4.4.3
---
The server generated these startup warnings when booting:
        2021-01-25T08:15:58.498-06:00: Access control is not enabled for the database. Read and write access to
 data and configuration is unrestricted
---
---
        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()
---
> show dbs
admin   0.000GB
config  0.000GB
local   0.000GB
> use students-registration-db
switched to db students-registration-db
> show collections
> ;
> db.studentsCollection.insert({"student-id": "000-11-0001", "name": "Ana Smith", "adm-date":"2021-01-11"})■
```
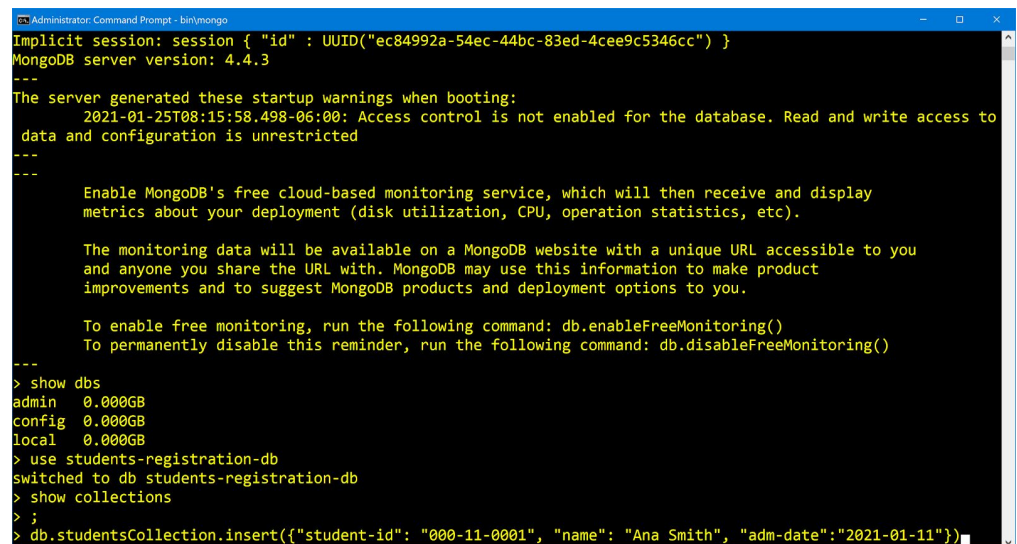
1.5.6. Execute
> **db.studentsCollection.find()**
To query the studentsCollection in the database and retrieve all the documents found in it.

1.5.7. Execute
> **db.studentsCollection.save({"_id" : ObjectId("600ee0f9f270a07e421e34f2"), "name": "Ana Hagerty"})**
To update the student data.

1.5.8. Execute
> **db.studentsCollection.remove({"_id" : ObjectId("600ee0f9f270a07e421e34f2")})**
To delete/remove the student data.

1.5.9. ...

1.6. ...

2. Using the `msiexec.exe` command-line tool (Note: For unattended installation).

For MacOS:

See the official information provided online here -
https://docs.mongodb.com/manual/tutorial/install-mongodb-on-os-x/

For Linux:

See the official information provided online here -
https://docs.mongodb.com/manual/administration/install-on-linux/