LAB MANUAL

EDUNET FOUNDATION - Class Exercise Notebook

Lab 1 - Demonstrating the Installation of MongoDB on Windows using the default MSI installation wizard.

Installation method

We can install MongoDB using two different methods one is using msi and another is using zip. Here, we will discuss how to install MongoDB Community Edition using using the default method with the MSI installation wizard.

Considerations

Before you download and install MongoDB on Windows, you must consider some considerations.

1. Install MongoDB Shell Separately

MongoDB Shell (mongosh) does not come with the MongoDB Community Edition. You need to install it separately after successfully installing the MongoDB server on your windows system.

2. Platform Support

MongoDB 7.0 Community Edition supports the following 64-bit versions of Windows on x86_64 architecture:

- Windows Server 2022
- Windows Server 2019
- Windows 11

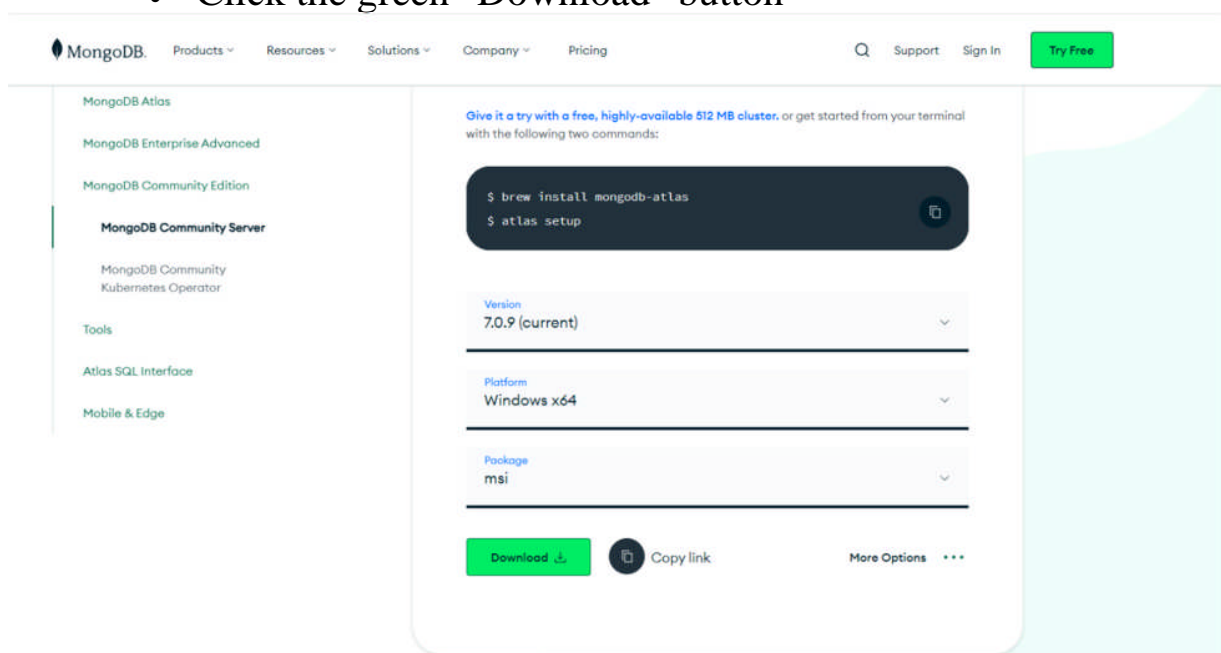MongoDB only supports the 64-bit versions of these platforms.

A Step-by-Step Guide to MongoDB Installation on Windows

Step 1: At First, visit the following link :
https://www.mongodb.com/try/download/community , to download the
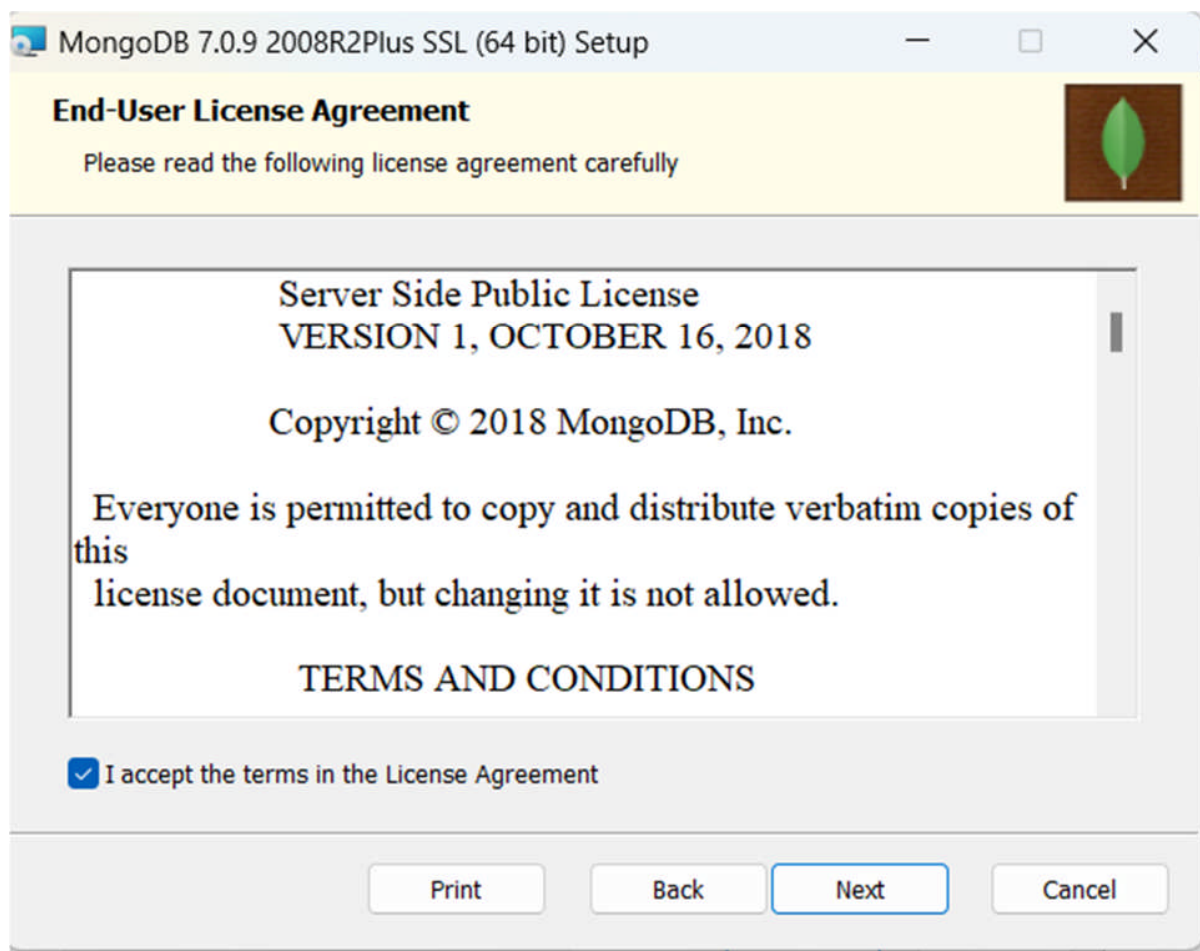MongoDB Community Server.
Here, you can select any version, Windows, and package according to
your requirement. For Windows, we need to choose:

- Version: 7.0.4
- OS: Windows x64
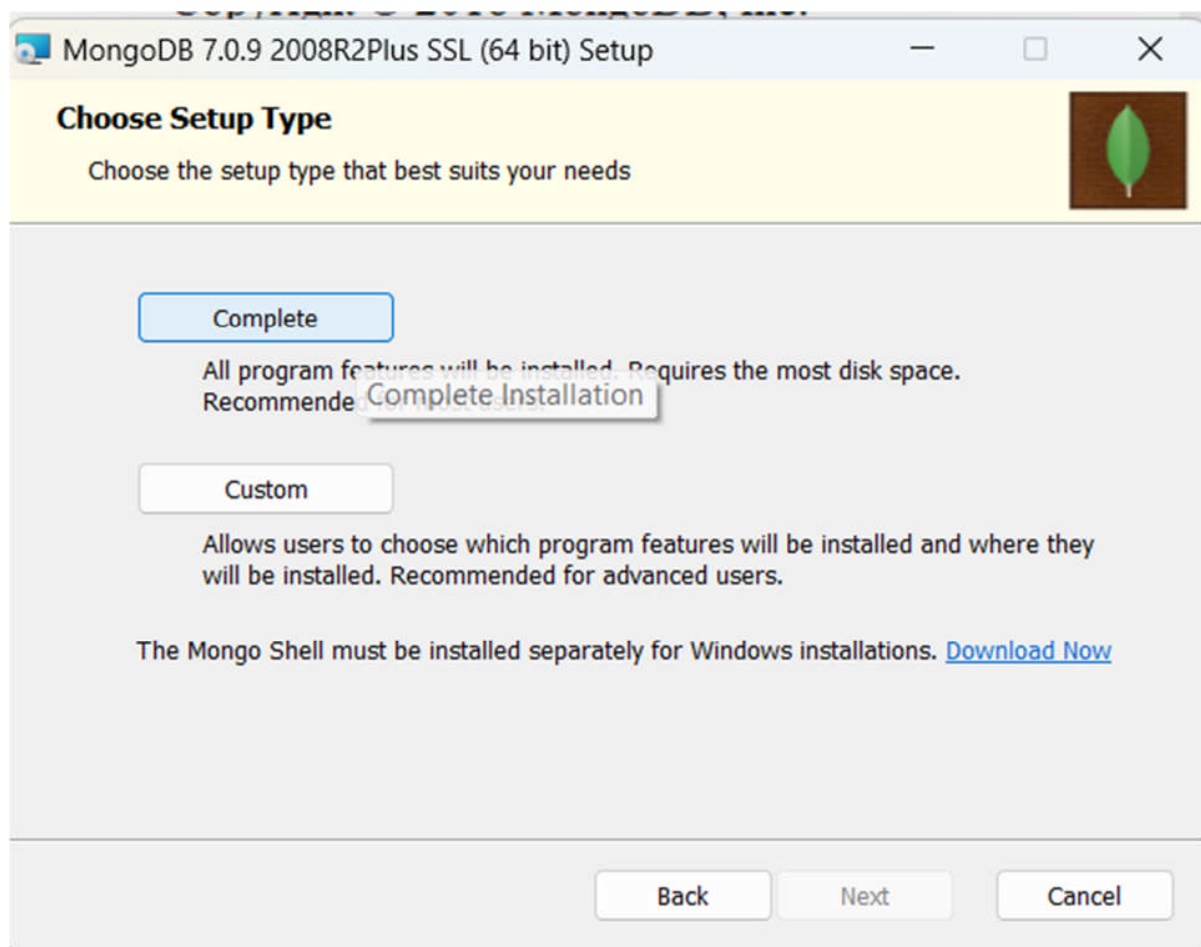- Package: msi
- Click the green "Download" button

Step 2: When the download is complete, Double-click on the .msi file. It
will open the
MongoDB setup windows and click next button.

Step 3: Now accept the End-User License Agreement and click the next button:

MongoDB 7.0.9 2008R2Plus SSL (64 bit) Setup

End-User License Agreement

Please read the following license agreement carefully

Server Side Public License
VERSION 1, OCTOBER 16, 2018

Copyright © 2018 MongoDB, Inc.

Everyone is permitted to copy and distribute verbatim copies of this
license document, but changing it is not allowed.

TERMS AND CONDITIONS

☑ I accept the terms in the License Agreement

Print   Back   Next   Cancel

Step 4: Next, you can choose either the Complete setup or Custom setup type to proceed. But for a beginner, we'd recommend using the Complete setup option. It installs MongoDB in the default location. Select the Complete setup,and click "Next."

Step 5: Select the "Install MongoD as a Service" option. Keep all other parameters as
default. Click on the "Next" button.

Step 6: Click check option to install MongoDB compass and then click the "Next" button.

Step 7: Click the Install button to start the MongoDB installation process.

Step 8: Now click the Finish button to complete the MongoDB installation process.

Steps to Install Mongoshell

Step 1: Visit the following link: https://www.mongodb.com/try/download/shell and then select platform windows x64 , select msi package and click on download button.

Step 2: Go to the download directory,and double-click the installer file and then click next button.

Step 3: Click next button.

Step 4: Click install button

Step 5: Click finish button.

Setting Environment Variable

Before you can run the MongoDB server, you have to add the MongoDB path as an environment variable.
Step 1: Go to the MongoDB installation directory in the "C Drive." Navigate to Server > 7.0 > bin folder. Copy the path. It will look like this:
C:\Program Files\MongoDB\Server\7.0\bin

Step 2: Now, to create an environment variable open system property >> Environment Variable >> System variable >> path >> Edit Environment variable and paste the copied link to your environment system and click Ok:

Step 3: After setting the environment variable, we will run the MongoDB server, i.e. mongod. So, open the command prompt and run the following command:

When you run this command, you will get an error.

Step 4: Now, Open C drive and create a folder named "data" inside this folder create another folder named "db". After creating these folders. Again, open the command prompt and run the following command:

Now, this time the MongoDB server (i.e., mongod) will run successfully.

Run mongo Shell
Now we are going to connect our server (mongod) with the mongo shell. So, keep that mongod window and open a new command prompt window and write mongo. Now, our mongo shell will successfully connect to the mongod.

Important Point: Please do not close the mongod window if you close this window your server will stop working and it will not able to connect with the mongo shell.