# Installing MongoDB and MongoDB Compass

## On Windows

Here are the steps to install MongoDB on a Windows system:

1. **Download MongoDB:**

   a. Go to the official MongoDB website: https://www.mongodb.com/try/download/community

   b. Select **"Windows"** as your operating system.

   c. Choose the appropriate version (64bit or 32bit) based on your system.

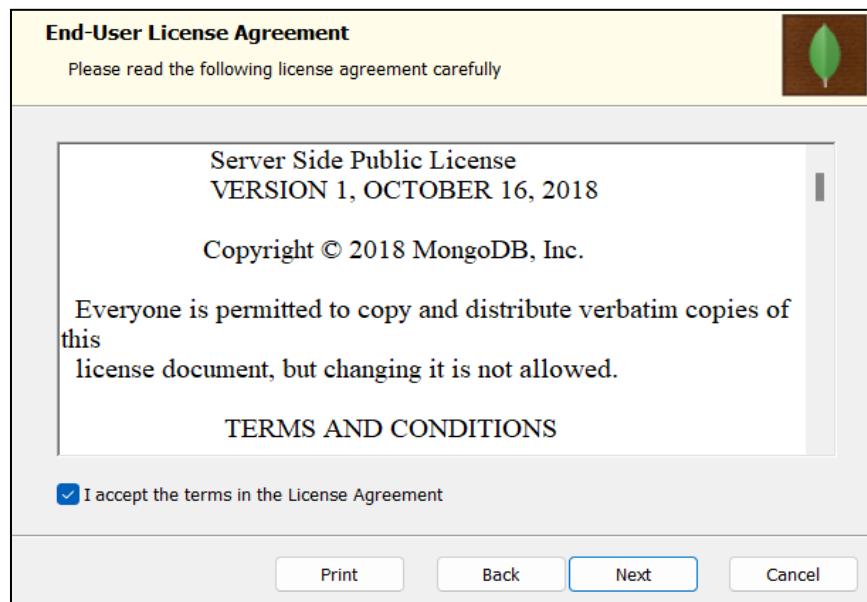   d. Select the **'msi'** package and click the Download button (as shown in the following figure).
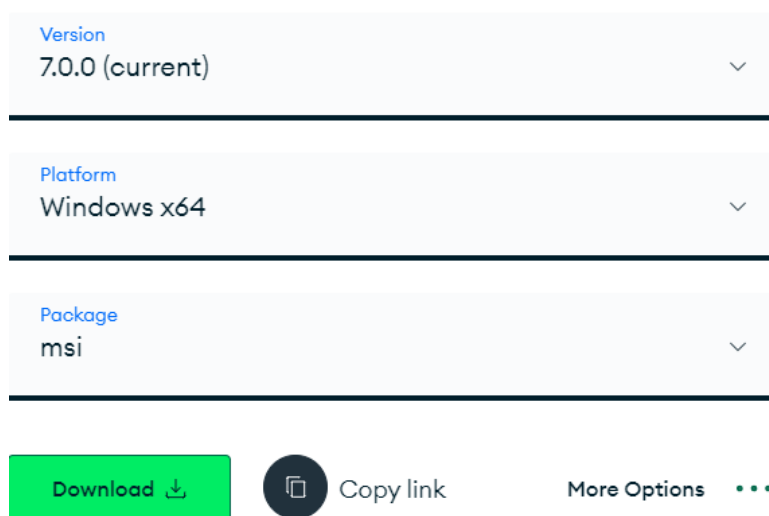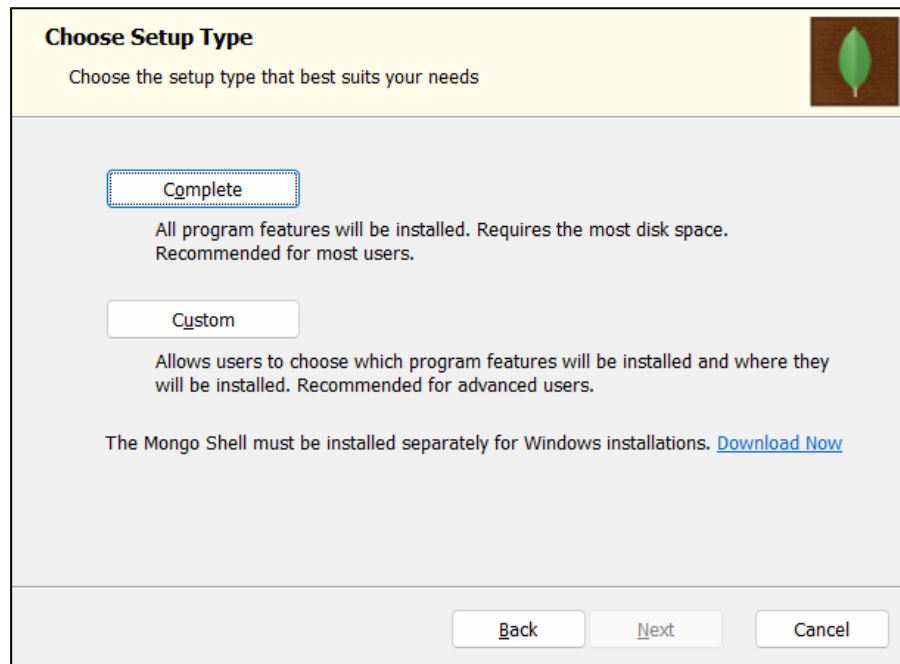


2. **Install MongoDB:**

**a.** Locate the downloaded installer file and double-click it to run, opening the dialog box (Welcome Screen). Click on **"Next"** to continue the Setup.
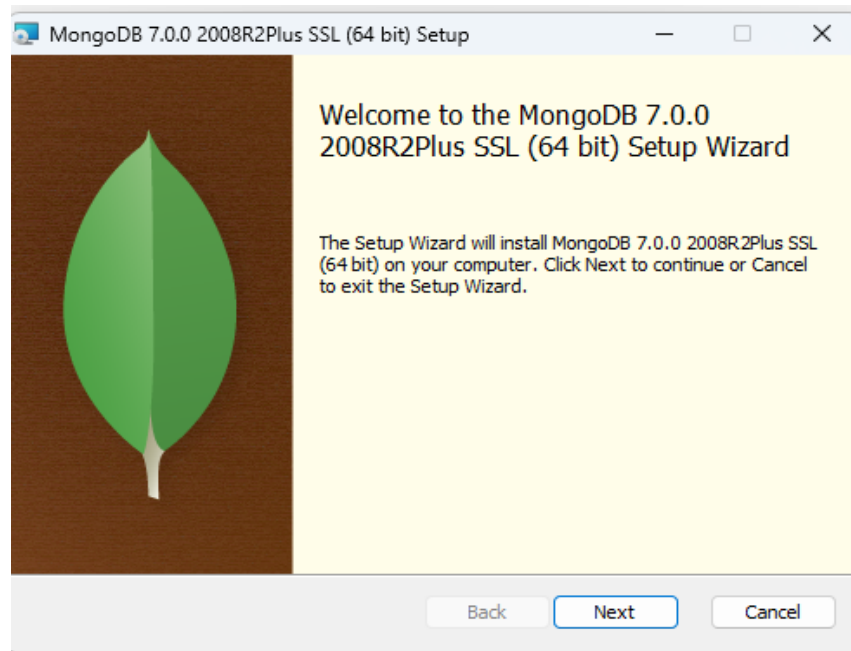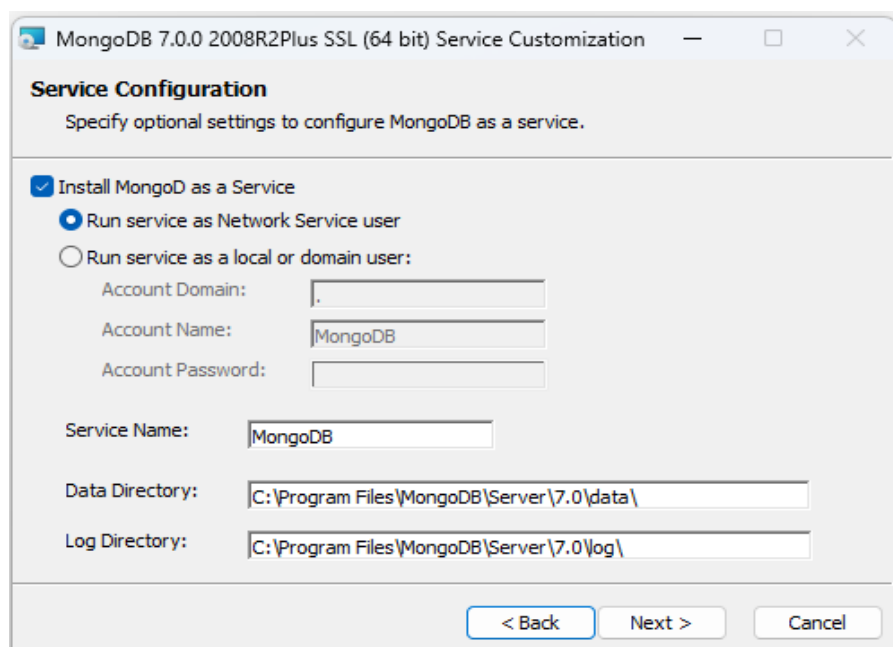


**b.** Accept the terms in the license agreement and click **"Next"**.



**c.** Choose the **"Complete"** setup type and click **"Next"**.

**d.** Choose the destination folder for installation or keep the default and choose whether to install MongoDB as a service. It's recommended to install it as a service so it starts automatically with Windows. Then, click **"Next"**.


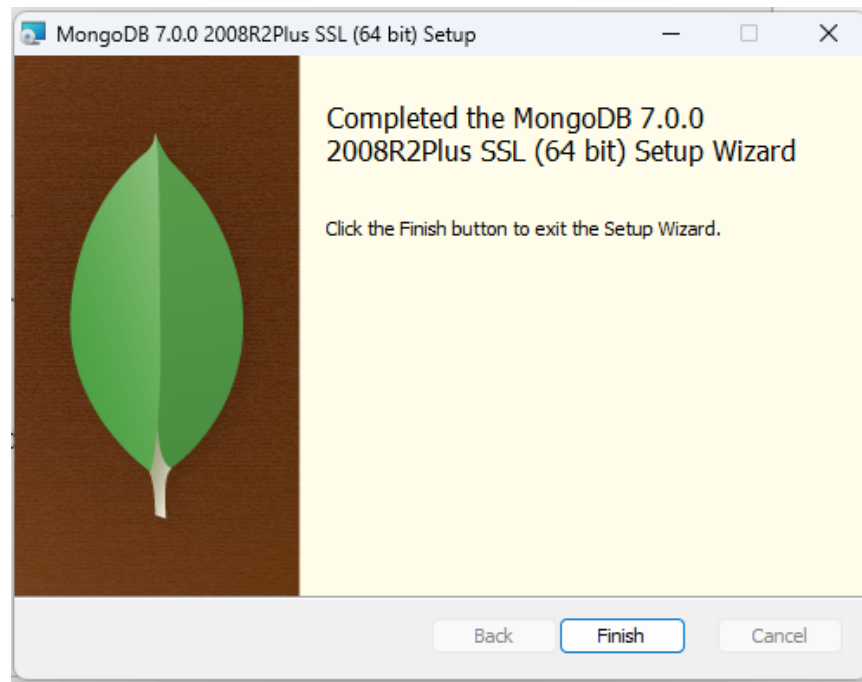
**e.** Select **"Install MongoDB Compass"** to install the UI tool for MongoDB (MongoDB compass), then click **"Next"**.
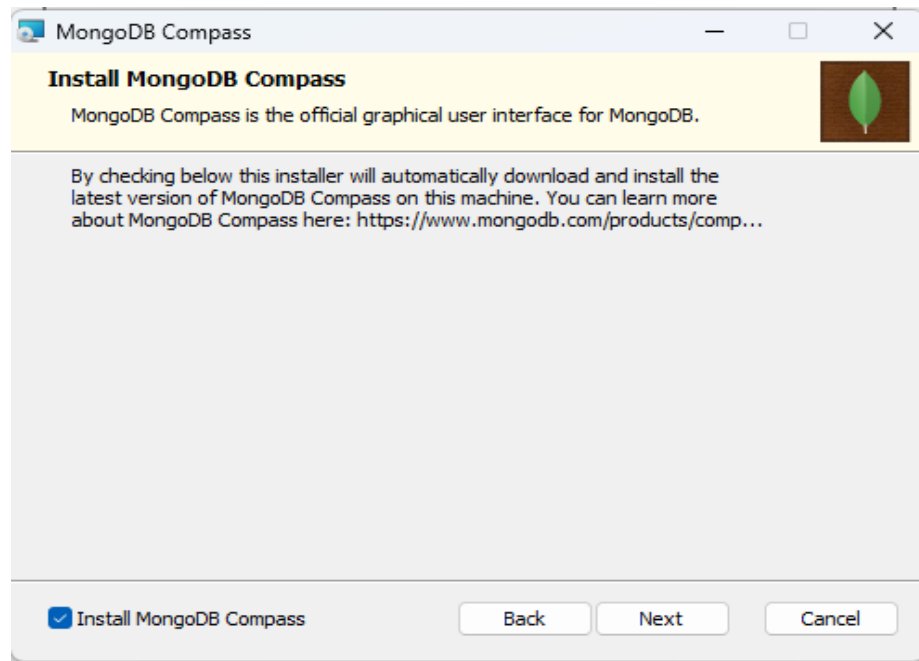
**f.** Review the installation settings and click **"Install"**.
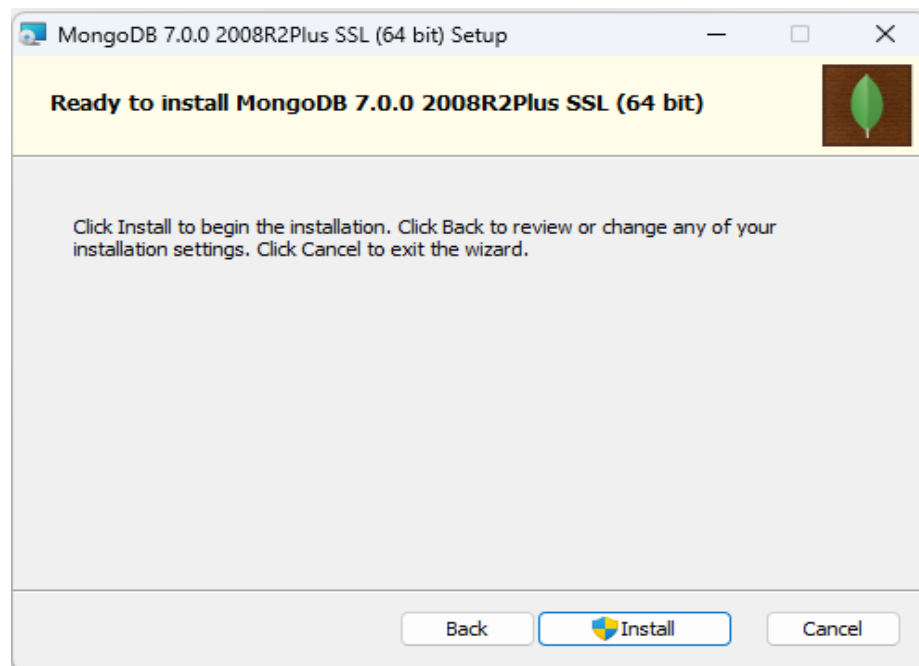


**g.** Finally, click on **"Finish"** to exit the setup.

**3.** Add MongoDB Binaries to System Path (Optional but recommended):

**a.** To run MongoDB commands from the Command Prompt (CMD) or PowerShell from any location, it's a good idea to add the MongoDB binaries to your system's PATH environment variable:
Search for **"Environment Variables"** in the Windows search bar and open "Edit the system environment variables".
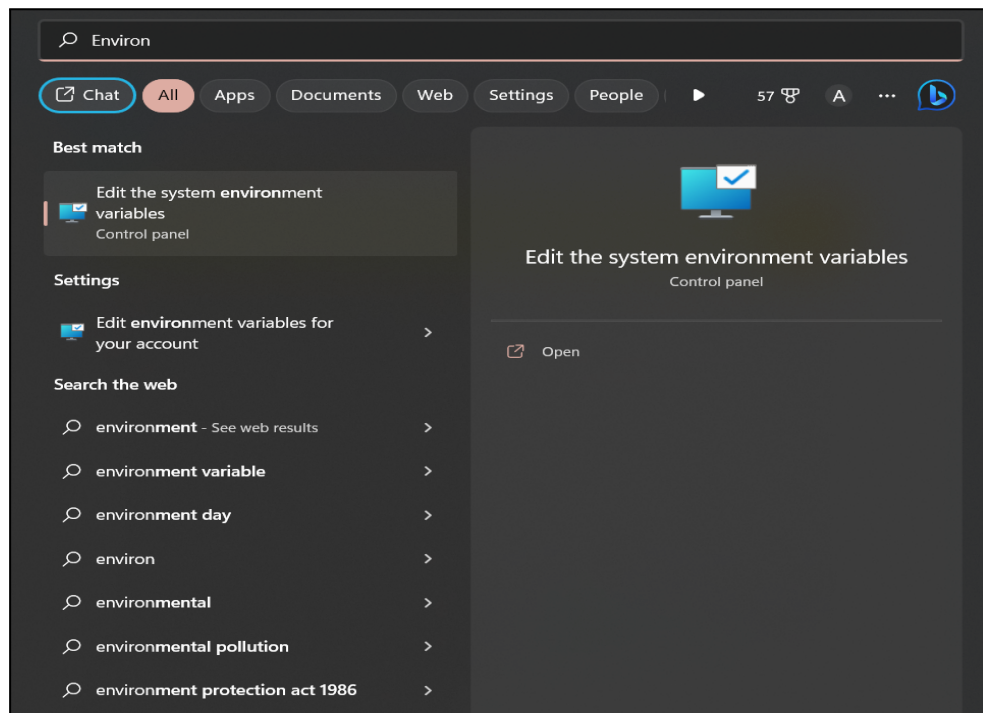
**b.** Now, in the system properties window, select the "Environment Variables" option and click OK.
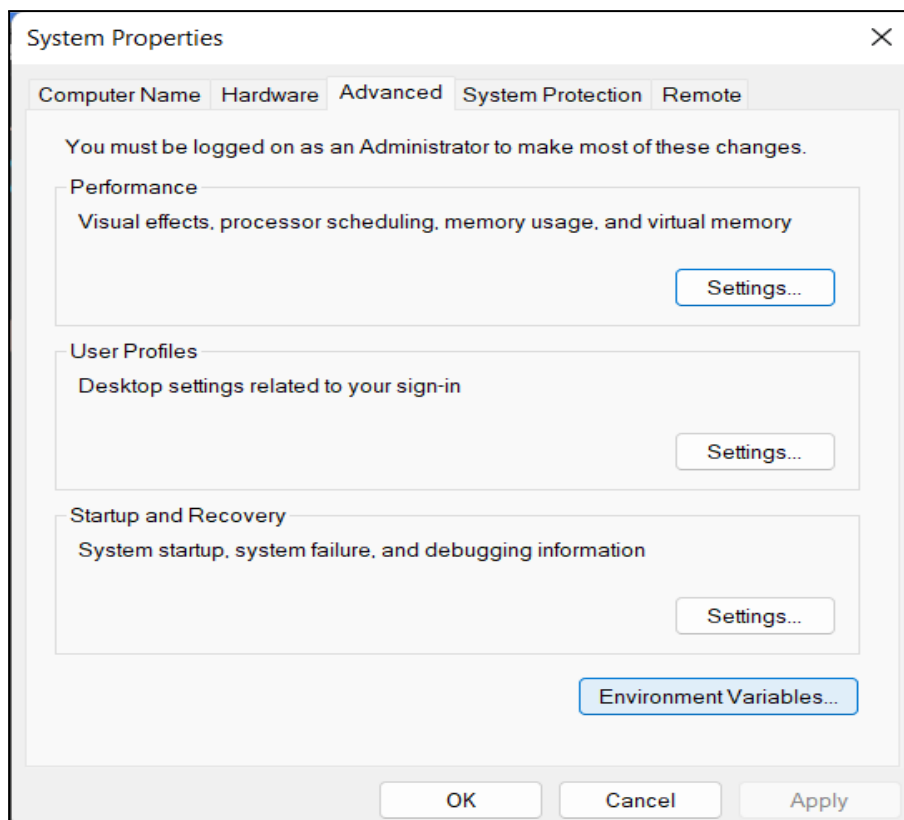
**c.** In the Environment Variables (User Variables) window, select **"Path"** and click edit.
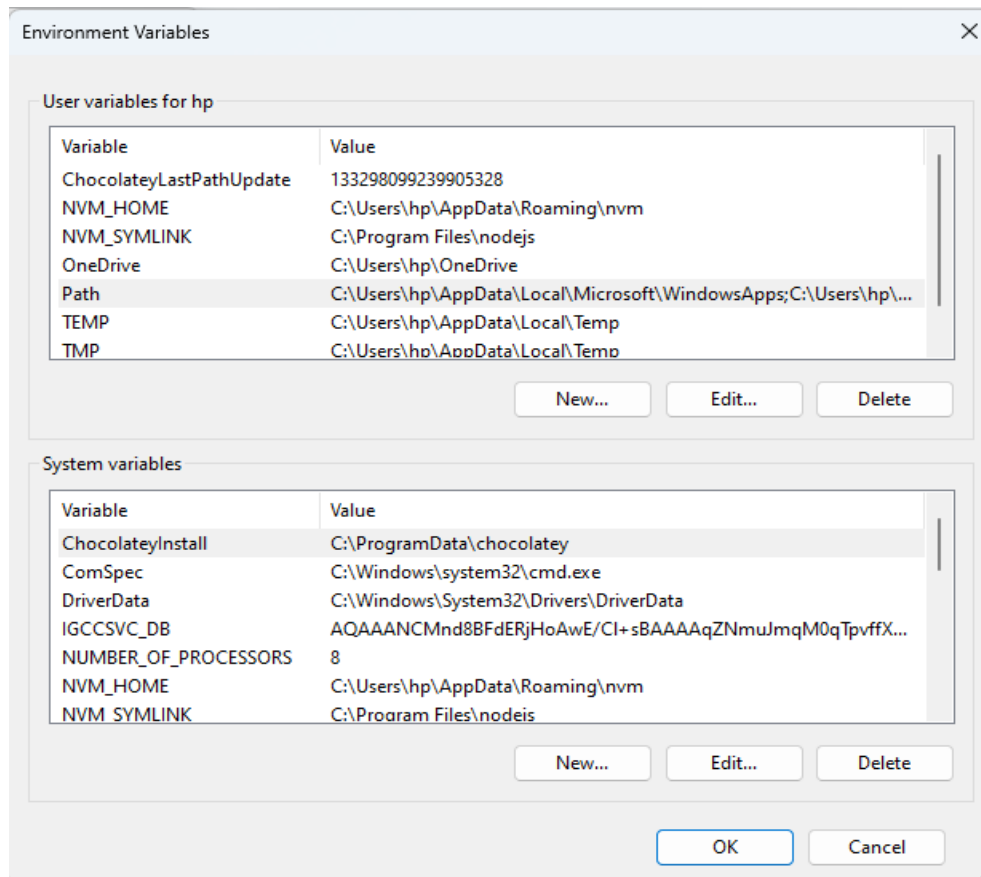


**d.** Click **"New"** and add the bin path for the installed mongodb in the "Edit environment variable" window.
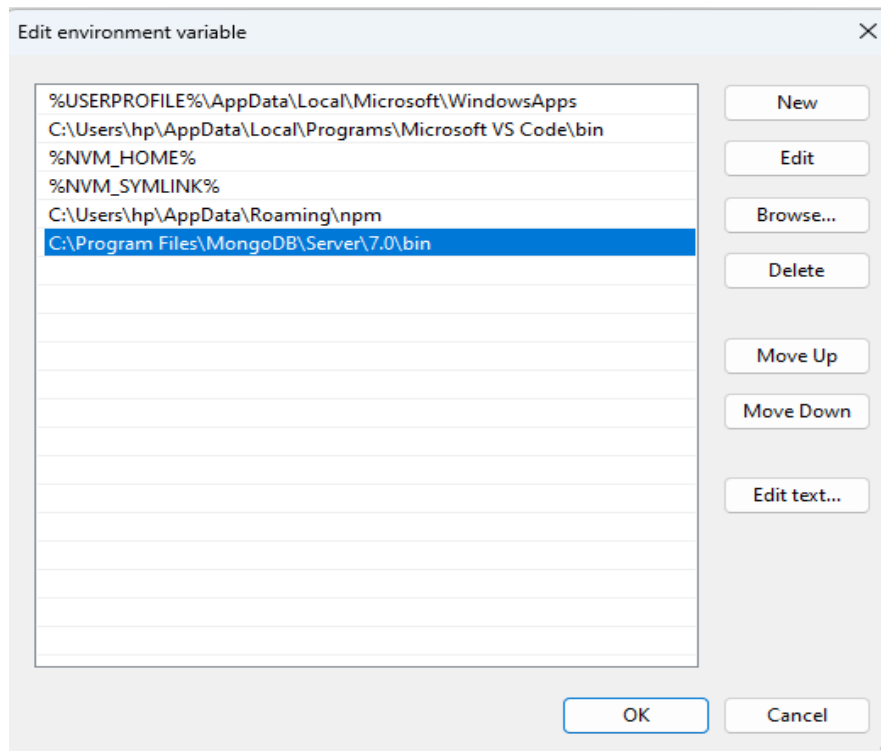
**e.** Click "OK" to close the dialogs.

**4.** Start Using MongoDB:

Now, you can use the **'mongod'** command and MongoDB Compass.

## MongoDB Shell installation guide.

This interface empowers users to interact with databases efficiently through command-line interactions.

Now, to use the MongoDB shell, follow the given steps:

**a.** Download the zip file from

https://www.mongodb.com/try/download/shell

**b.** Extract the file.

**c.** Now go to the bin directory,
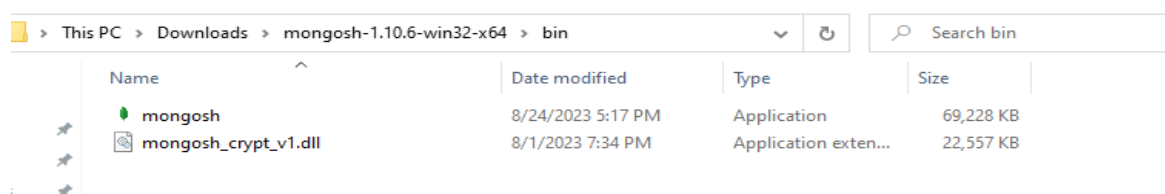
**d.** Now, as mentioned in step 3 of the installation, add this path to the **'Path'** variable
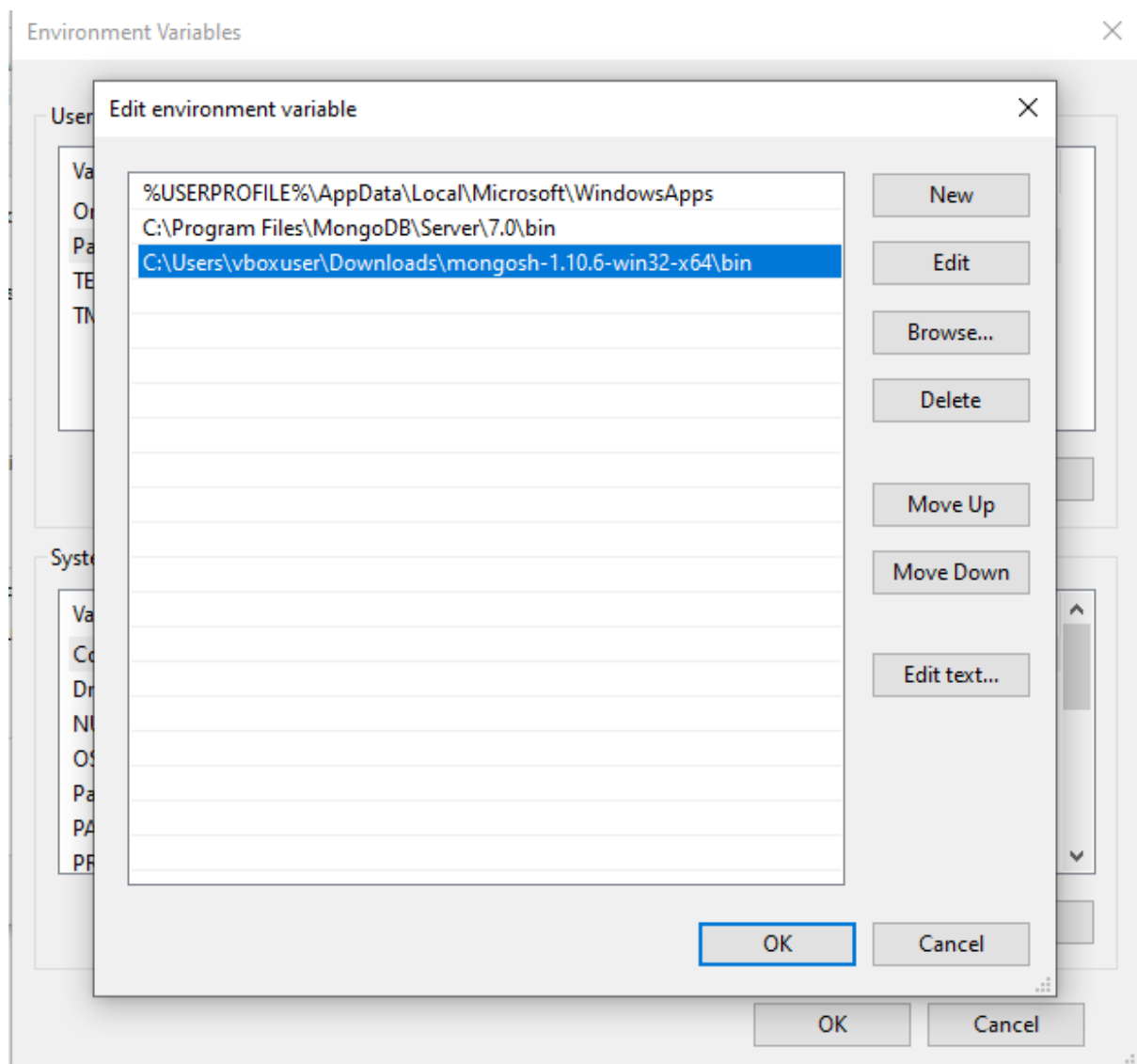


**e.** Now you can use the mongo shell by typing **'mongosh'** inside Powershell or cmd, and we get the following output as shown in the image below.

```
Microsoft Windows [Version 10.0.19045.2965]
(c) Microsoft Corporation. All rights reserved.

C:\Users\vboxuser>mongosh
Current Mongosh Log ID: 64e951025c4cf723e9141c06
Connecting to:          mongodb://127.0.0.1:27017/?directConnection=true&serverSe
.10.6
Using MongoDB:          7.0.0
Using Mongosh:          1.10.6

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

------
   The server generated these startup warnings when booting
   2023-08-25T17:48:25.112-07:00: Access control is not enabled for the database.
iguration is unrestricted
------

test>
```

```
C:\Users\ABHISHEK>mongod
{"t":{"$date":"2023-08-06T10:20:12.373+05:30"},"s":"I",  "c":"CONTROL",  "id":23285,   "ctx":"-","msg":"Automatically di
sabling TLS 1.0, to force-enable TLS 1.0 specify --sslDisabledProtocols 'none'"}
{"t":{"$date":"2023-08-06T10:20:12.374+05:30"},"s":"I",  "c":"NETWORK",  "id":4915701, "ctx":"-","msg":"Initialized wire
 specification","attr":{"spec":{"incomingExternalClient":{"minWireVersion":0,"maxWireVersion":17},"incomingInternalClien
t":{"minWireVersion":0,"maxWireVersion":17},"outgoing":{"minWireVersion":6,"maxWireVersion":17},"isInternalClient":true}
}}
{"t":{"$date":"2023-08-06T10:20:12.379+05:30"},"s":"I",  "c":"NETWORK",  "id":4648602, "ctx":"thread1","msg":"Implicit T
CP FastOpen in use."}
{"t":{"$date":"2023-08-06T10:20:12.381+05:30"},"s":"I",  "c":"REPL",     "id":5123008, "ctx":"thread1","msg":"Successful
ly registered PrimaryOnlyService","attr":{"service":"TenantMigrationDonorService","namespace":"config.tenantMigrationDon
ors"}}
{"t":{"$date":"2023-08-06T10:20:12.381+05:30"},"s":"I",  "c":"REPL",     "id":5123008, "ctx":"thread1","msg":"Successful
ly registered PrimaryOnlyService","attr":{"service":"TenantMigrationRecipientService","namespace":"config.tenantMigratio
nRecipients"}}
{"t":{"$date":"2023-08-06T10:20:12.381+05:30"},"s":"I",  "c":"REPL",     "id":5123008, "ctx":"thread1","msg":"Successful
ly registered PrimaryOnlyService","attr":{"service":"ShardSplitDonorService","namespace":"config.tenantSplitDonors"}}
{"t":{"$date":"2023-08-06T10:20:12.382+05:30"},"s":"I",  "c":"CONTROL",  "id":5945603, "ctx":"thread1","msg":"Multi thre
ading initialized"}
{"t":{"$date":"2023-08-06T10:20:12.383+05:30"},"s":"I",  "c":"CONTROL",  "id":4615611, "ctx":"initandlisten","msg":"Mong
oDB starting","attr":{"pid":11812,"port":27017,"dbPath":"C:/data/db/","architecture":"64-bit","host":"Fawkees"}}
{"t":{"$date":"2023-08-06T10:20:12.383+05:30"},"s":"I",  "c":"CONTROL",  "id":23398,   "ctx":"initandlisten","msg":"Targ
et operating system minimum version","attr":{"targetMinOS":"Windows 7/Windows Server 2008 R2"}}
{"t":{"$date":"2023-08-06T10:20:12.383+05:30"},"s":"I",  "c":"CONTROL",  "id":23403,   "ctx":"initandlisten","msg":"Buil
d Info","attr":{"buildInfo":{"version":"6.0.8","gitVersion":"3d84c0dd4e5d99be0d69003652313e7eaf4cdd74","modules":[],"all
```