Here is a step-by-step guide on how to **download** and **install MongoDB 8** on **Windows 11**:

**Step 1: Download MongoDB 8**

1. **Go to the MongoDB website**:
   * Visit the official MongoDB download page: <https://www.mongodb.com/try/download/community>.
2. **Choose your version**:
   * From the dropdown menu, choose **MongoDB 8.x** (the latest stable version).
   * Make sure to select **Windows** as the operating system.
3. **Download the MSI package**:
   * Under the **"Package"** option, choose the **MSI (Windows x64)** package.
   * Click **Download** to get the installer file.

**Step 2: Install MongoDB 8**

1. **Run the installer**:
   * Locate the downloaded **MSI installer** file (usually in your "Downloads" folder) and double-click to run it.
2. **Accept the license agreement**:
   * In the installer, accept the terms in the **License Agreement** and click **Next**.
3. **Choose the installation type**:
   * You will be given two installation options: **Complete** or **Custom**.
   * It’s recommended to choose **Complete** unless you want to customize the installation location or components.
4. **Install MongoDB as a service**:
   * In the **Service Configuration** screen, choose to install **MongoDB as a Windows service**. This will ensure MongoDB starts automatically when your computer boots up.
   * You can either leave the default **service name** or specify a custom one.
   * For **Run Service as Network Service User**, you can leave the default option checked.
5. **Choose Data and Log file paths**:
   * By default, MongoDB will set the **data directory** and **log directory**. You can either accept these or change the paths if needed.
6. **MongoDB Compass installation (Optional)**:
   * MongoDB Compass is a GUI tool for interacting with MongoDB.
   * You can choose to install it by keeping the checkbox checked. If you don't need the GUI, you can uncheck the option.
7. **Complete the installation**:
   * Click **Install**, and the MongoDB 8 installation will begin. Wait until the process is complete.

**Step 3: Set Up MongoDB on Windows 11**

1. **Verify MongoDB Installation**:
   * Once the installation is complete, open **Command Prompt** or **PowerShell**.
   * Type the following command to verify MongoDB is installed:

mongod --version

* + You should see the version of MongoDB 8.x displayed.

1. **Run MongoDB**:
   * MongoDB should already be running as a Windows service if you installed it as a service. You can check the status by typing:

services.msc

* + Find **MongoDB** in the services list, and make sure it’s running.

1. **Start MongoDB manually (if not installed as a service)**:
   * If you didn’t install MongoDB as a service or need to start it manually, open **Command Prompt** and navigate to the MongoDB bin directory:

cd "C:\Program Files\MongoDB\Server\8.0\bin"

* + Start MongoDB using the following command:

mongod

1. **Set Up MongoDB Environment Variables (Optional)**
2. **Add MongoDB to the Windows Path:**
   * To run MongoDB commands from any directory in the command prompt, add MongoDB’s bin directory to the Path environment variable.
   * To do this:
     + Right-click on the Start button and select System.
     + Click Advanced system settings on the right, then click Environment Variables.
     + Under System Variables, find the Path variable, select it, and click Edit.
     + Click New and add the path to the MongoDB bin folder, typically:  
       C:\Program Files\MongoDB\Server\8.0\bin
     + Click OK to save.

**Step 4: Connect to MongoDB**

1. **Connect via MongoDB Shell**:
   * Open **Command Prompt** or **PowerShell**, and type the following command:

mongo

* + This will start the MongoDB shell and connect to your MongoDB instance.

1. **Connect via MongoDB Compass (Optional)**:
   * If you installed **MongoDB Compass**, you can launch it from the start menu.
   * It will allow you to connect to your MongoDB instance using a graphical interface. Enter the default connection string to connect locally:

mongodb://localhost:28018

**Step 5: Create a Database and Collection (Optional)**

Once connected to MongoDB, you can create your first database and collection.

1. **In the MongoDB shell**, run the following command to create a new database:

use myDatabase

1. **Create a collection**:

db.createCollection("myCollection")

**Conclusion:**

You have now successfully installed and set up **MongoDB 8** on **Windows 11**. You can now start developing or managing your databases locally.