

MongoDB

INSTALLATION GUIDE

Version 1.0.0



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1 Preface

This guide provides instructions about installing and configuring MongoDB. This preface contains these topics:

- [Audience](#)
- [Prerequisites](#)
- [Documentation Accessibility](#)
- [Conventions](#)

1.1 Audience

MongoDB Installation Guide is intended for administrators or anyone installing MongoDB on a computer.

1.2 Prerequisites

- A supported Microsoft Windows operating system installed and tested on your computer system
- Administrative privileges on the computer where you installed SQL Database software
- Knowledge about the following concepts:
 - Firewalls
 - Public and private networks
 - Connected applications

1.3 Documentation Accessibility

Logilab ELN documentation set consists of the following:

1. Logilab ELN Installation Guide
2. Logilab ELN User Manual

3. MongoDB Installation Guide

1.4 Conventions

The following text conventions are used in this document:

1.4.1 Keyboard

Keys are referred to throughout the guide in the following way:

[ENTER] – denotes the return or enter key, [DELETE] – denotes the Delete key and so on.

Where a command requires two keys to be pressed, the manual displays this as follows:

[CTRL][P] – this means press the letter “p” while holding down the Control key.

1.4.2 Callout

Callouts are used to denote an action or describe something in the interface.



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2 System requirements

2.1 Hardware Requirements

Computer	Component	Minimum requirement
Client	Processor	Pentium III More than 700 MHz
	RAM	16 GB or higher
	Hard disk	20 GB of free space
	Network Access	100 Mbps speed or higher
Server	Processor	Xeon Class 3GHz
	RAM	16 GB or higher
	Hard disk	40 GB of free space for installation of database and App server. Minimum RAID I for data protection

2.2 Software Requirements

Computer	Minimum requirement
Client	<p>Microsoft® Windows® 2000 or Windows® XP or Windows Vista or higher(needs special version of client)</p> <p>Windows 7 or Windows 8 or Windows 10 (normal version)</p> <p>Latest version of Google Chrome</p>
Server	<p>Microsoft® Windows® 2012 server or higher.</p> <p>MS SQL Server 2017 or higher</p> <p>Apache Tomcat Manager 8.0 or above installed with memory pool up to 3GB maximum.</p>

3 Installation

MongoDB installation process consists of the following steps:

Step 1: [Download MongoDB 4.4.1](#)

Step 2: [Installing MongoDB](#)

Step 3: [Creating Database](#)

3.1 Downloading MongoDB 4.4.1

To download MongoDB 4.4.1, follow these steps:

1. Open Browser, in the title bar type www.mongodb.com/try/download/community and then press ENTER. The screen appears as shown in the figure:

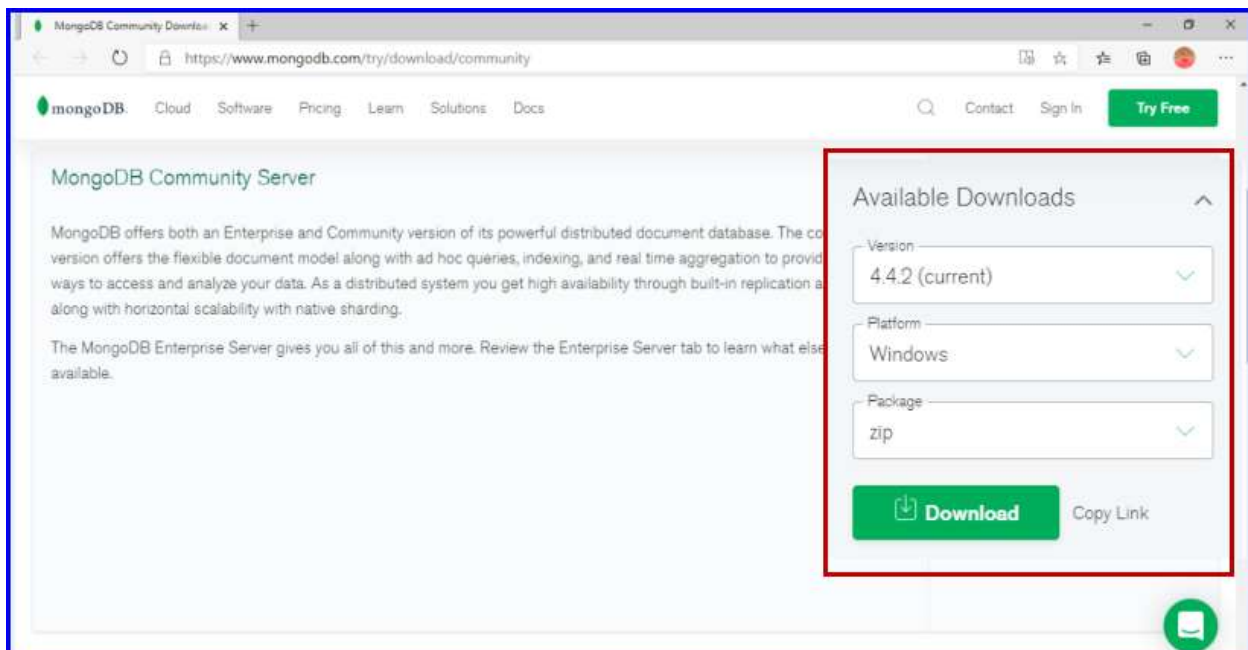


FIGURE: Download MongoDB

2. Under **Available Downloads**, in the **Version** field, select **4.4.1**.
3. In the **Platform** field, select **Windows**.
4. In the **Package** field, select **zip**.
5. Click **Download**.

3.2 Installing MongoDB

To install mongoDB, follow these steps:

1. Log in to an administrator account on your computer, quit all open applications, and log out any other users on your computer.
2. Extract the Zip file, and then double-click **Setup** file. The **MongoDB Setup Wizard** appears as shown in the figure:



FIGURE: MongoDB Setup Wizard

3. Click **Next**. The **End – User License Agreement** dialog appears as shown in the figure:

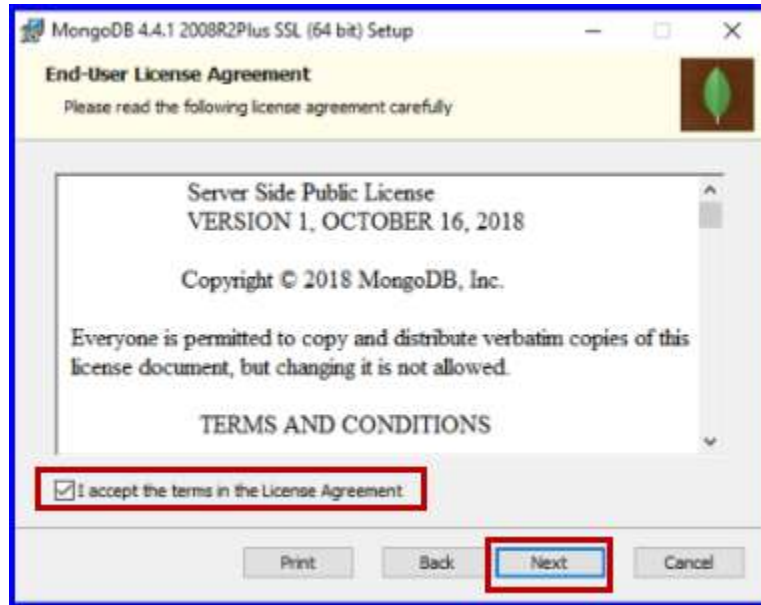


FIGURE: End-User License Agreement

4. Click to select **I accept the terms in the License Agreement** check box and then click **Next**. The **Choose Setup Type** dialog appears as shown in the figure:

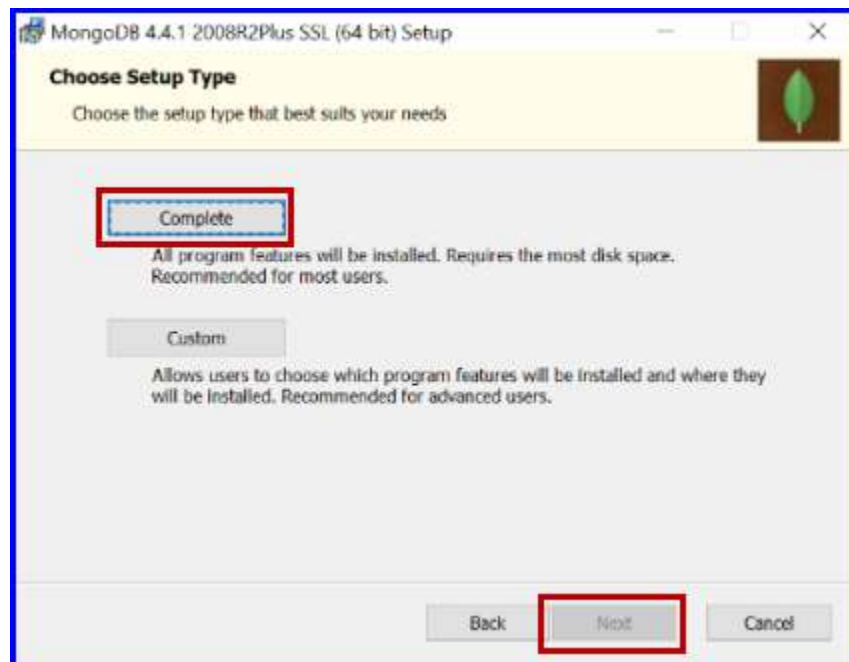


FIGURE: Choose Setup Type Dialog

5. Click to select **Complete** to install all program features. And then click **Next**. The **Service Configuration** dialog appears as shown in the figure:

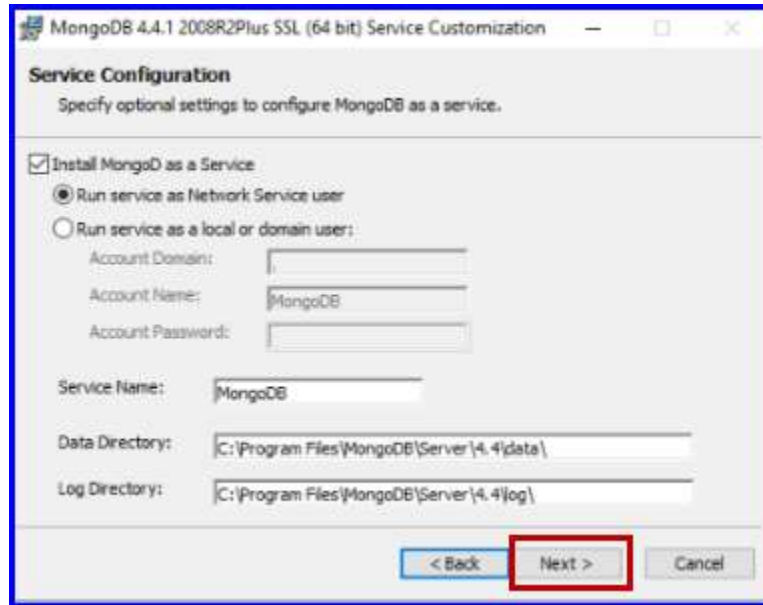


FIGURE: Service Configuration

6. Click **Next**. The **Install MongoDB Compass** dialog appears as shown in the figure:



FIGURE: Install MongoDB Compass Dialog

7. Click **Next**. The **Ready to Install MongoDB 4.4.1** dialog appears as shown in the figure:

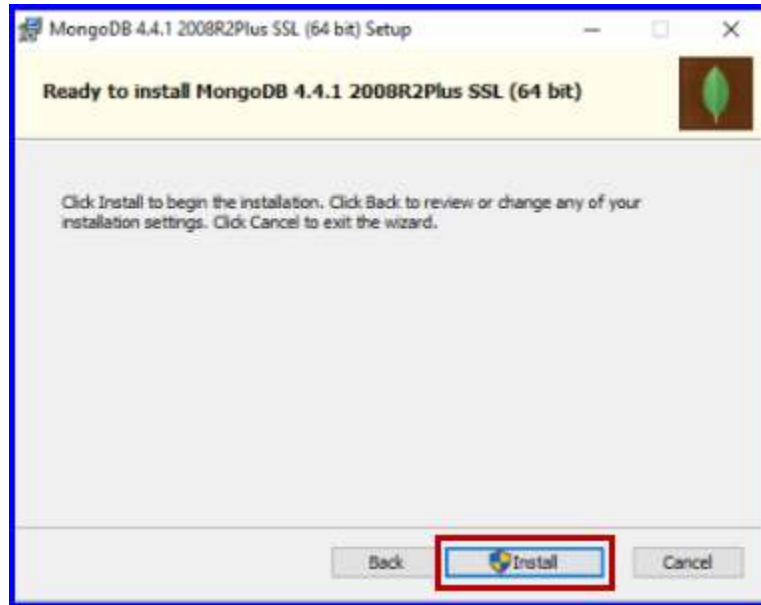


FIGURE: Ready to Install MongoDB Compass Dialog

8. Click **Install**. MongoDB wizard asks for system reboot as shown in the figure:

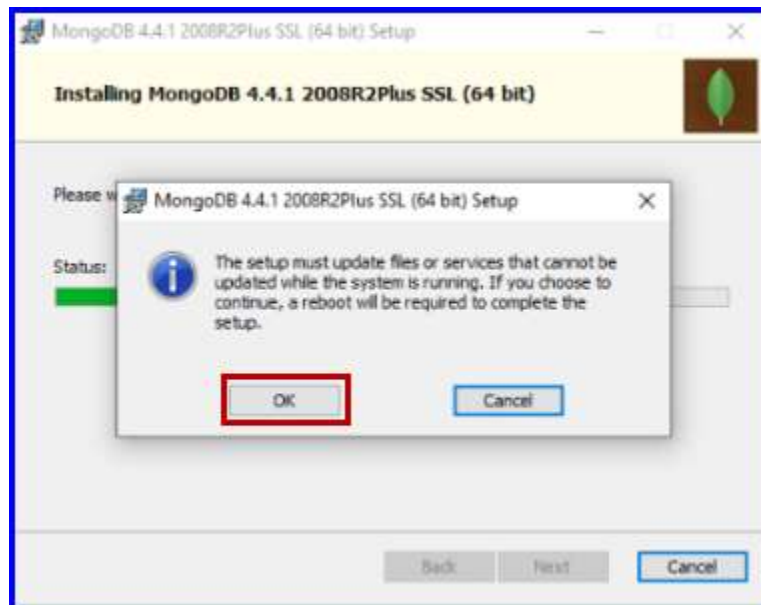


FIGURE: Installing MongoDB Dialog

9. Click **Ok**. MongoDB will be installed and the progress appears as shown in the figure:

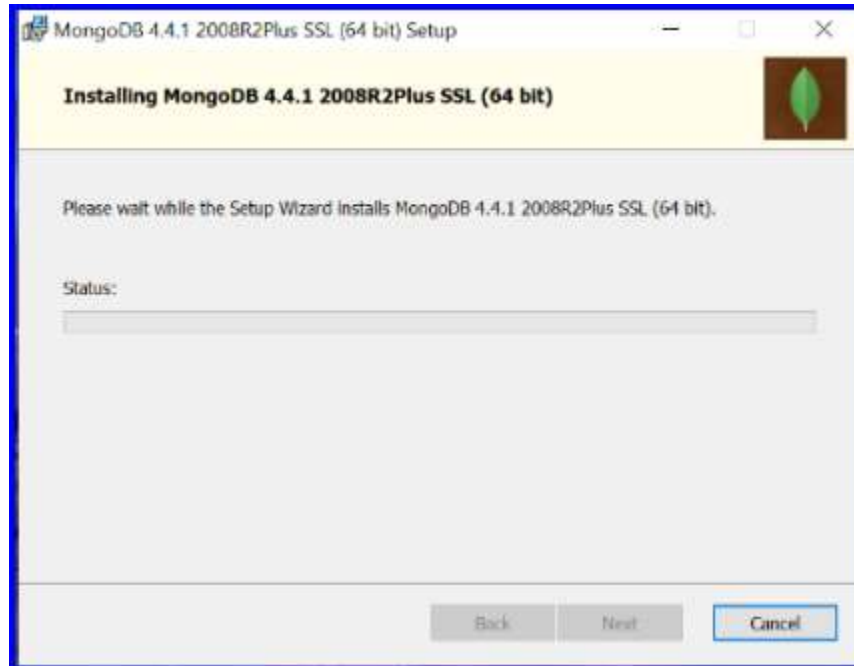


FIGURE: Installing MongoDB

The **Files in Use** dialog appears as shown in the figure:

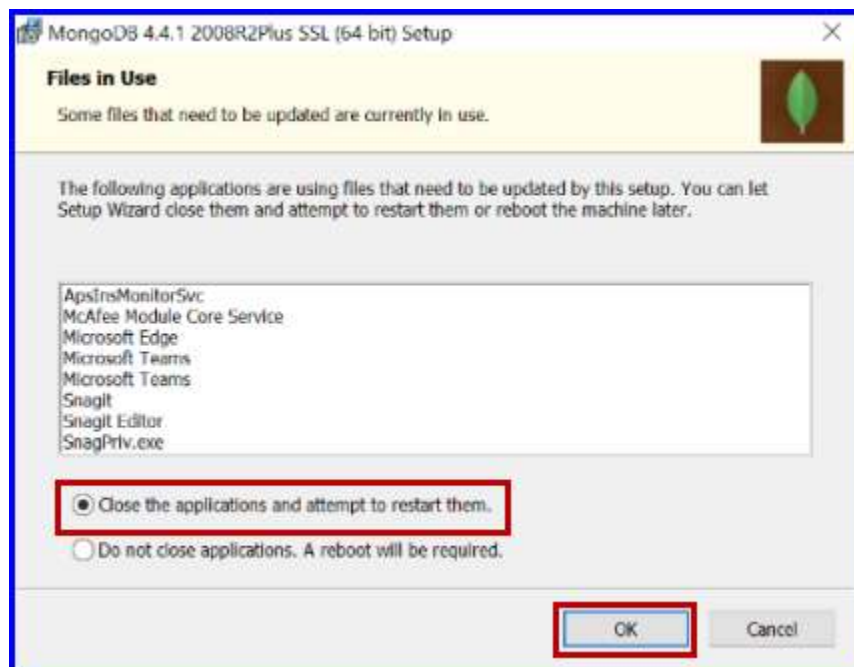


FIGURE: Files in Use Dialog

10. Click to select **Close the applications and attempt to restart them** option and then click **Ok**. The following dialog may appear asking to close certain applications manually as shown in the figure:

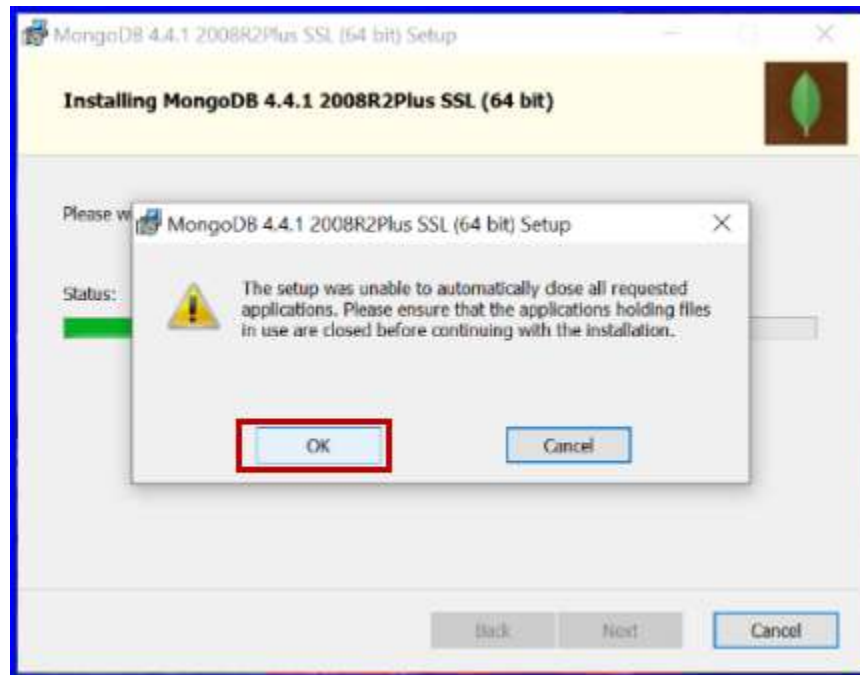


FIGURE: Close Application Request Dialog

11. Click **Ok** and then close all the mentioned applications. The installation will be completed and the **Completed MongoDB 4.4.1 Setup Wizard** dialog appears as shown in the figure:

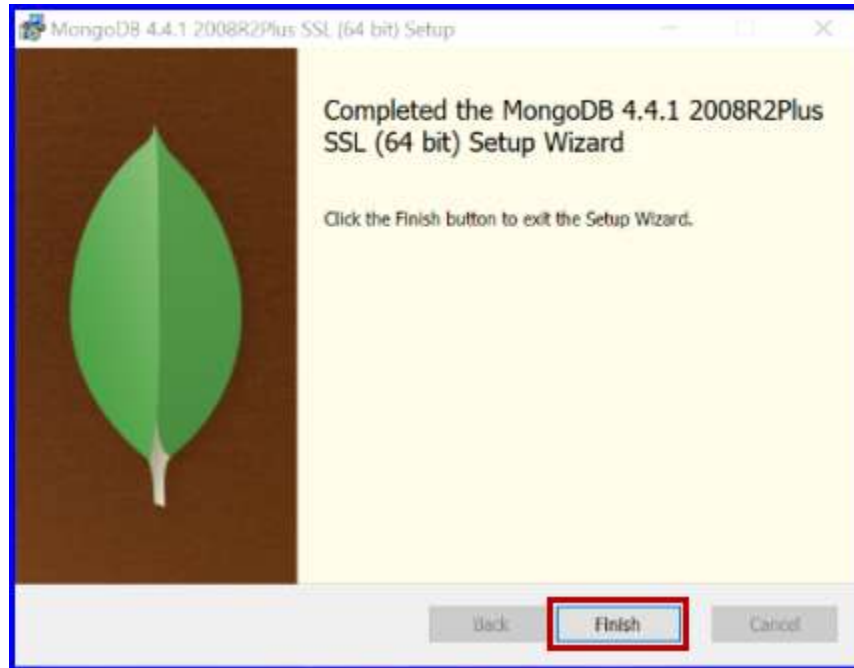


FIGURE: Completed MongoDB 4.4.1 Setup Dialog

12. Click **Finish**. The setup will prompt for system restart as shown in the figure:

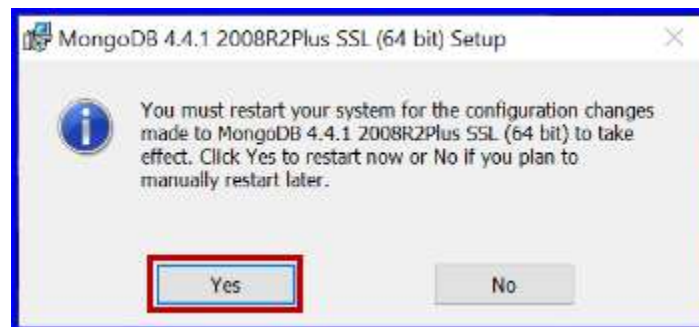


FIGURE: System Restart Dialog

13. Click **Yes** to restart the system. The system reboots. On successful reboot, the MongoDB icon appears on the Desktop as shown in the figure:

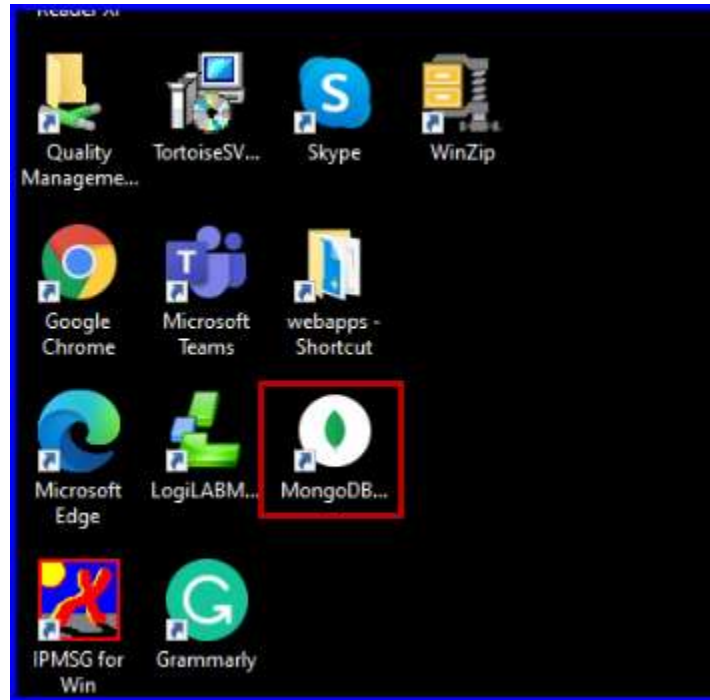


FIGURE: Desktop Showing MongoDB icon

14. Double - click the icon to open MongoDB. The plugins will start loading as shown in the figure:

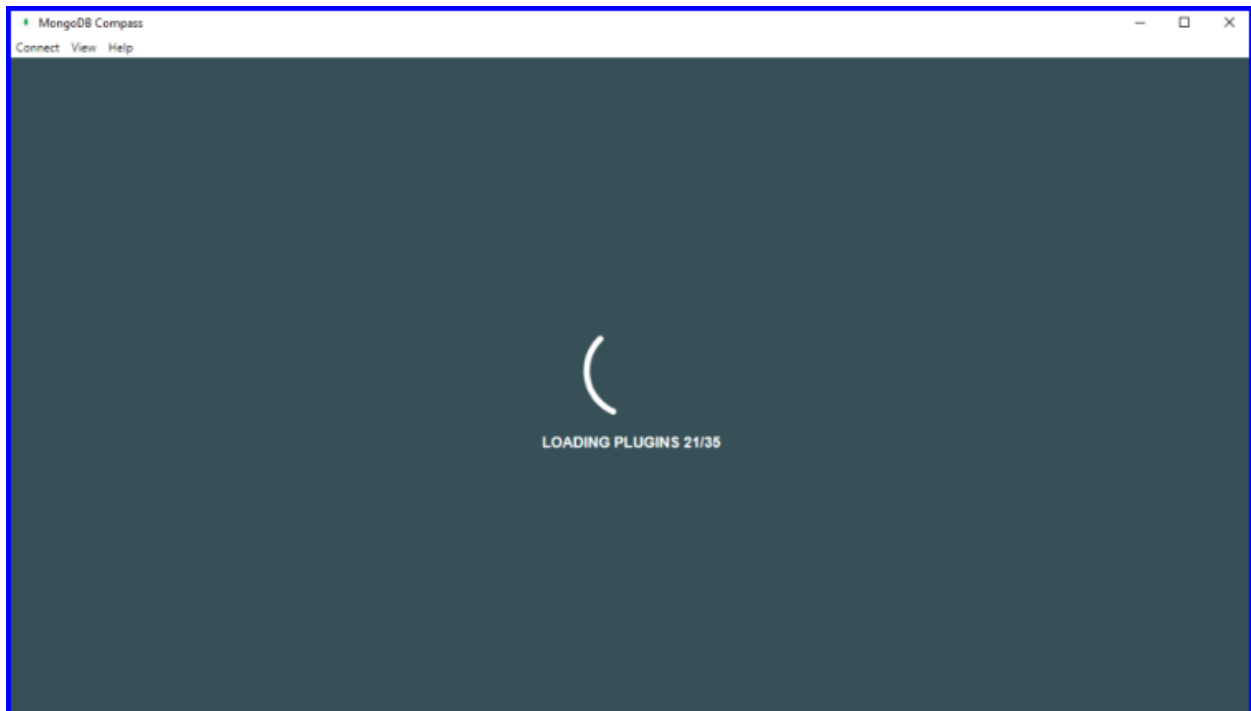


FIGURE: MongoDB Compass – Loading Plugins Screen

Once all the plugins are loaded, the **Welcome to MongoDB Compass** screen appears as shown in the figure:

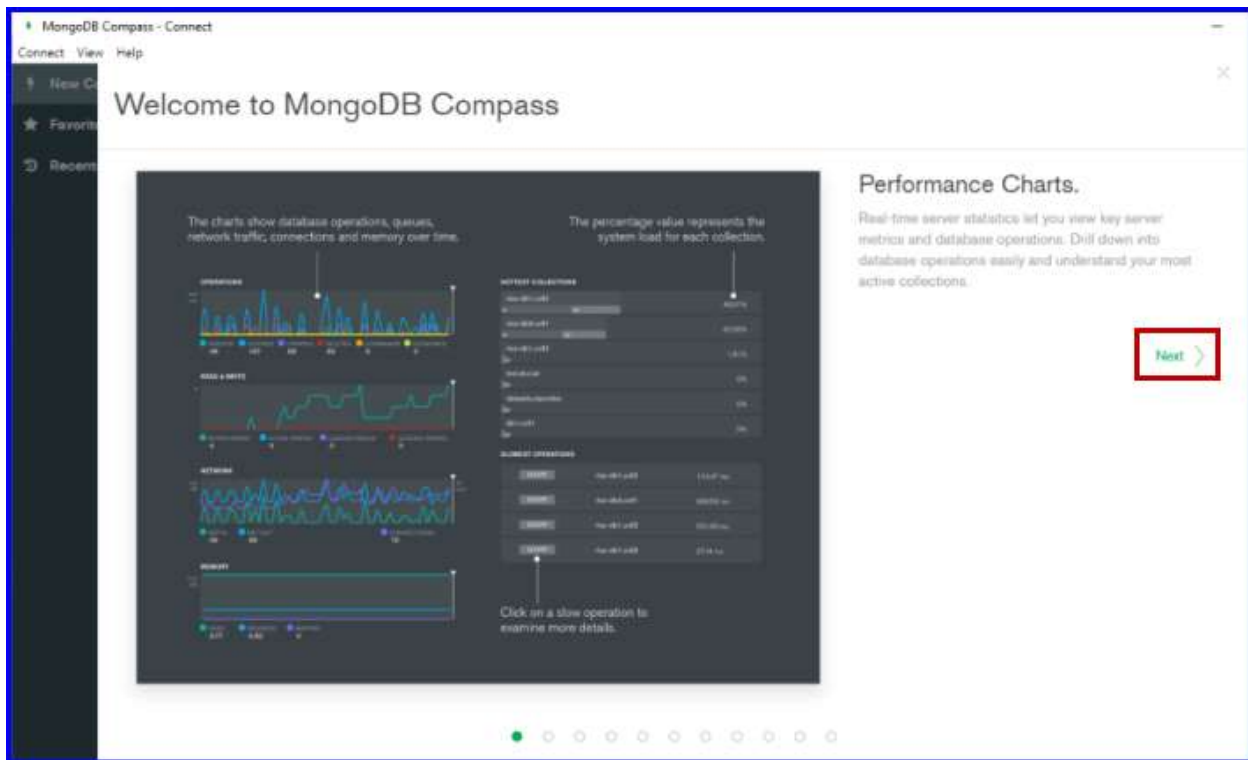


FIGURE: MongoDB Compass Welcome Screen

15. Click **Next** in the **Welcome to MongoDB Compass** screen until you see the following screen:

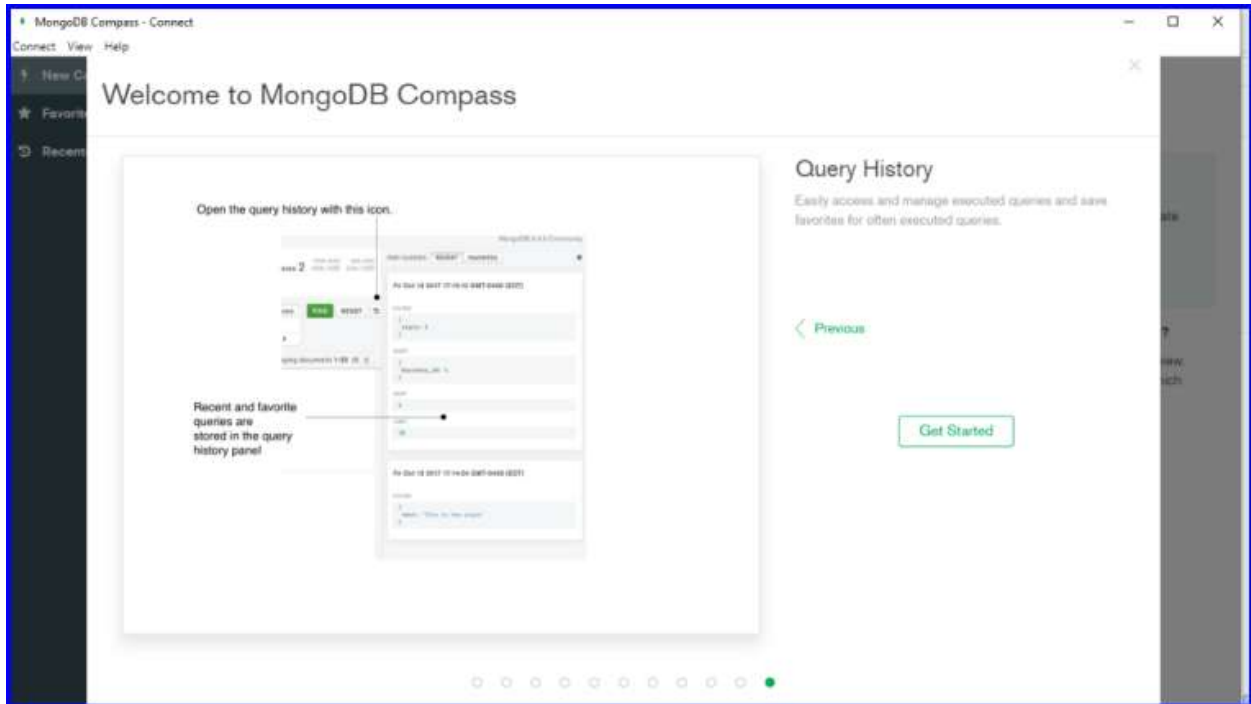


FIGURE: MongoDB Compass Welcome Screen2

16. Click **Get Started**. The screen appears as shown in the figure:

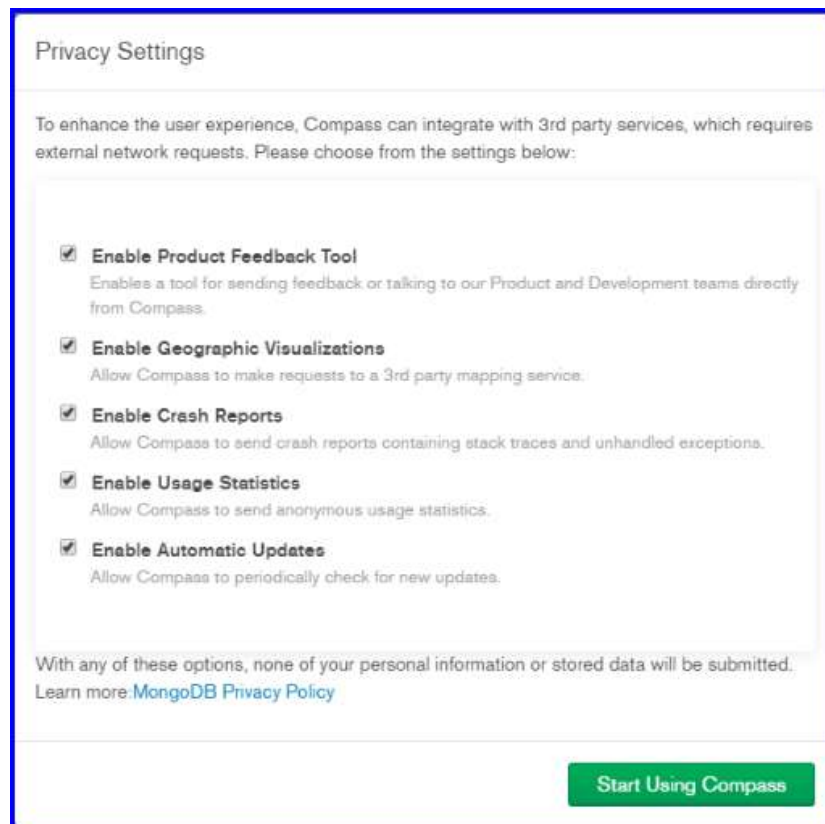


FIGURE: Privacy Settings Screen

17. In the **Privacy Settings** screen, click **Start Using Compass**.

3.3 Creating Database

When you click **Start Using Compass**, the **New Connection** screen appears as shown in the figure:

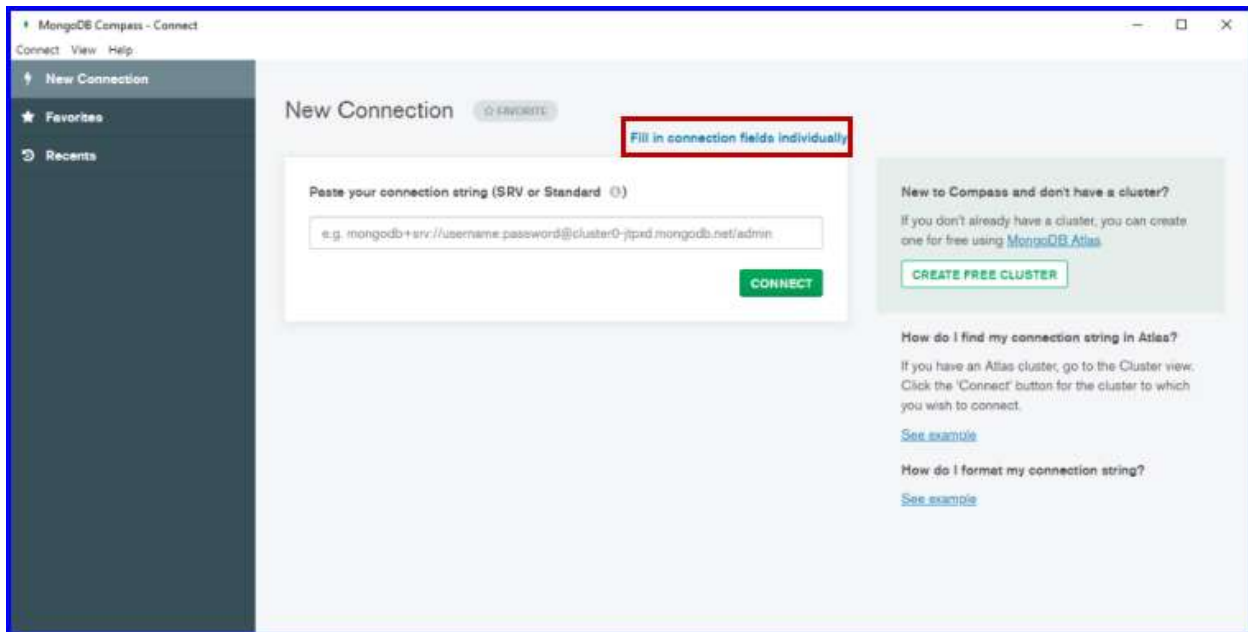


FIGURE: New Connection Screen

18. Click **Fill in connection fields individually**. The screen appears as shown in the figure:

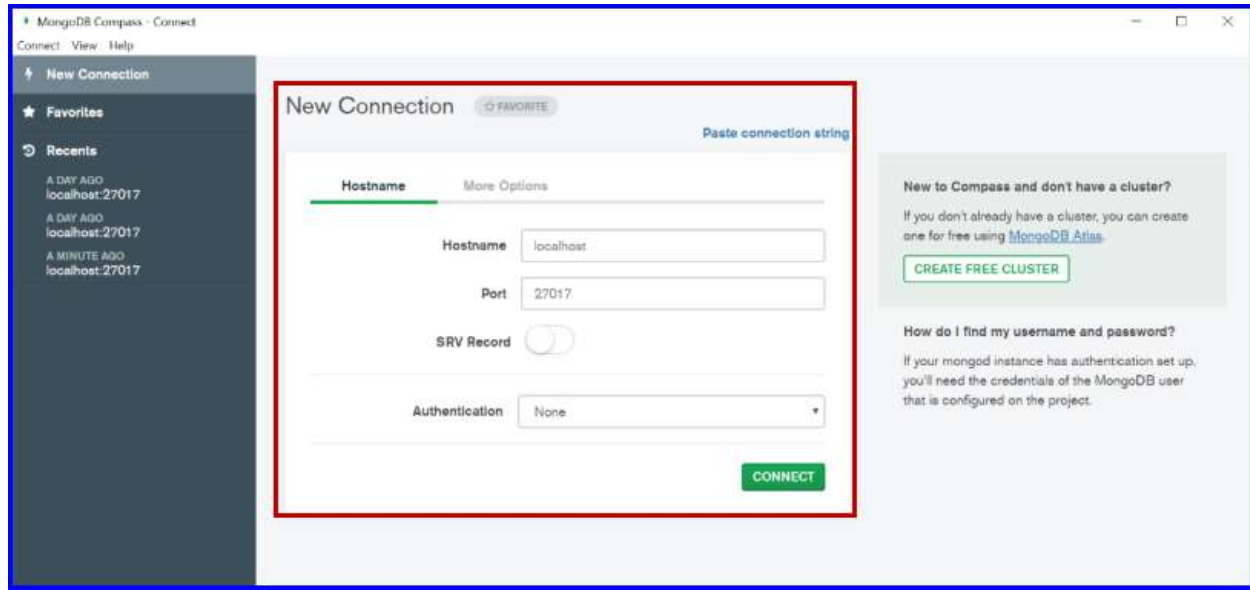


FIGURE: New Connection Screen

19. Under **Hostname**, in the **Hostname** and **Port** fields, ensure that the default host name and port number of MongoDB is filled and then click **CONNECT**. The screen appears as shown in the figure:

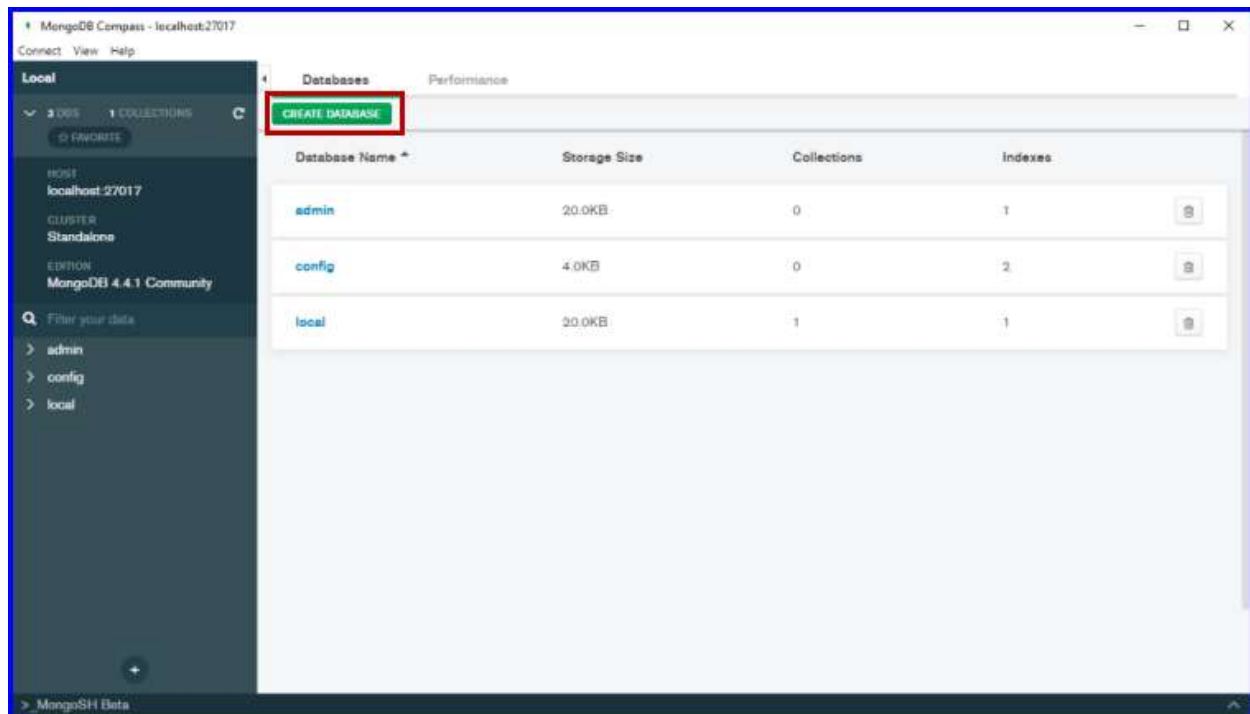


FIGURE: Database Screen

20. Click **CREATE DATABASE**. The **Create Database** dialog appears as shown in the figure:

More Information'. At the bottom right, there are two buttons: 'CANCEL' and 'CREATE DATABASE'." data-bbox="311 144 679 436"/>

FIGURE: Create Database Dialog

21. In the **Database Name** field, type the database name. Example: ELN
22. In the **Collection Name** field, type collection name. Example: ELN
23. Click **CREATE DATABASE**. The database is created and appears as shown in the figure:

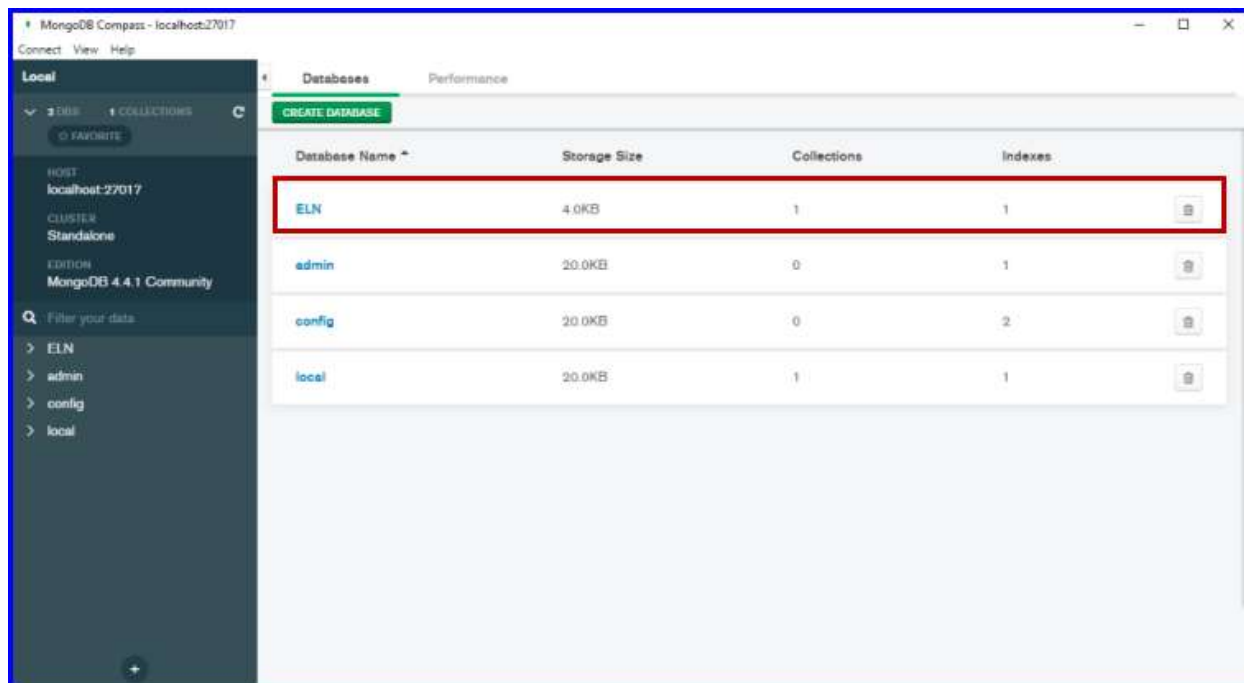


FIGURE: Database Created

At runtime, you see the orders, sheets etc created stored in MongoDB that appears as shown in the figure

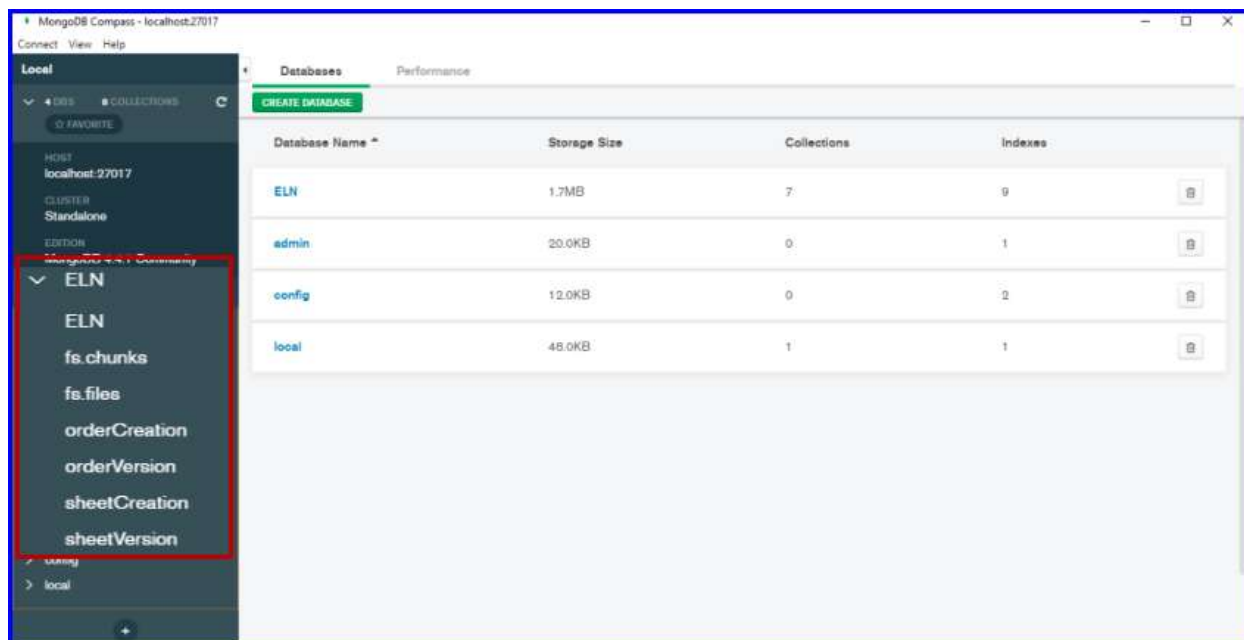


FIGURE: MongoDB Showing Stored ELN Sheets and Orders