

# How to Use Vultr's MongoDB Community Edition Marketplace Application

Learn how to deploy, configure, and manage MongoDB Community Edition on Vultr's platform with our step-by-step guide for developers and database administrators.

# Contents

01	Introduction	3
02	Deploy MongoDB Community Edition	3
03	Access via MongoDB Shell	6
04	Access via MongoDB Compass	7
05	Conclusion	9

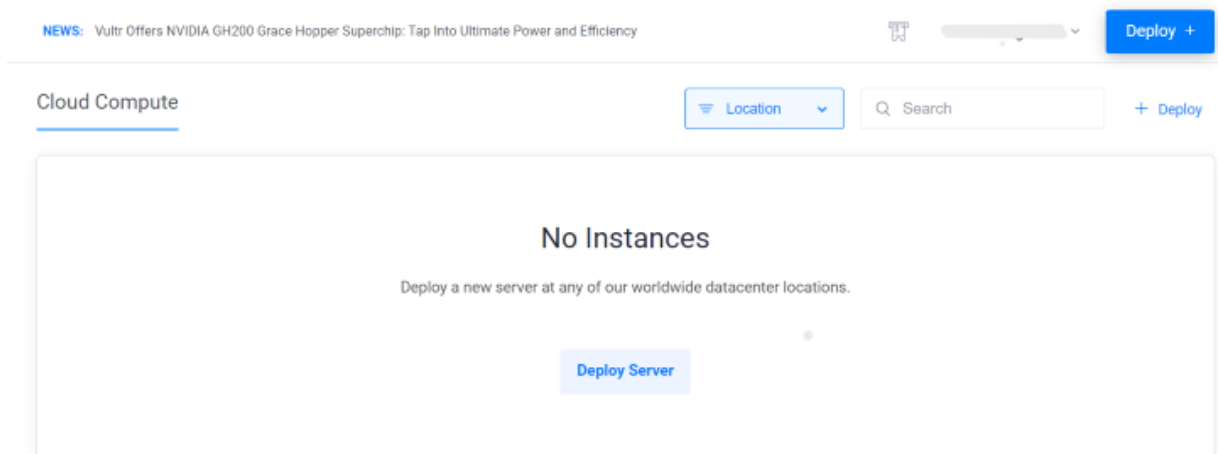
# Introduction

MongoDB Community Edition is an open-source version of the popular NoSQL database, offering a flexible document data model for storing information. Unlike traditional relational databases, it stores data in JSON-like documents, making it easy to work with complex data structures. You can leverage MongoDB Community Edition for local development or cloud deployments, allowing you to perform ad-hoc queries, create indexes for faster retrieval, and carry out real-time data analysis.

This guide explains how to use the Vultr MongoDB Community Edition marketplace application. You will install the MongoDB Shell and MongoDB Compass to connect to your MongoDB server.

## Deploy MongoDB Community Edition

1. Login to your [Vultr](#) account and click the **Deploy** button.



2. Start the deployment of a new instance by selecting a Server type.

## Deploy New Instance

### Choose Type

<p><b>Optimized Cloud Compute - Dedicated CPU</b> Virtual machines for more demanding business apps, e.g. production websites, CI/CD, video transcoding, or larger databases.</p>	<p><b>Cloud Compute - Shared CPU</b> Virtual machines for apps with bursty performance, e.g. low traffic websites, blogs, CMS, dev/test environments, and small databases.</p>	<p><b>Cloud GPU</b> Virtual machines with fractional or full NVIDIA GPUs for AI, machine learning, HPC, visual computing and VDI. Also available as Bare Metal.</p>	<p><b>Bare Metal</b> Single tenant bare metal for apps with the most demanding performance or security requirements.</p>
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3. Choose a nearby location that is available to you.

### Choose Location

All Locations Americas Europe Australia Asia Africa

Tokyo Japan	Bangalore India	Delhi NCR India	Mumbai India
Osaka Japan	Seoul South Korea	Singapore Singapore	Tel Aviv Israel
London United Kingdom	Amsterdam Netherlands	Frankfurt Germany	Madrid Spain
Manchester United Kingdom	Paris France	Stockholm Sweden	Warsaw Poland
New York United States	Atlanta United States	Chicago United States	Dallas United States

4. Select the MongoDB Community Edition marketplace application image.

### Choose Image

Operating System Marketplace Apps Upload ISO ISO Library Backup Snapshot

Q Mongo

Categories All

Sort By Popularity

<p><b>MongoDB® Community Edition</b> On Arch Linux</p>
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5. Select a server size as per your requirements.

### Choose Plan

General Purpose ? CPU Optimized ? Memory Optimized ? Storage Optimized ?

Name	Cores	Memory	Storage	Bandwidth	Price
30 GB NVMe	1 vCPU	4 GB	30 GB NVMe	4 TB	\$30/month \$0.045/hour
50 GB NVMe	2 vCPUs	8 GB	50 GB NVMe	5 TB	\$60/month \$0.089/hour
80 GB NVMe	4 vCPUs	16 GB	80 GB NVMe	6 TB	\$120/month \$0.179/hour
160 GB NVMe	8 vCPUs	32 GB	160 GB NVMe	7 TB	\$240/month \$0.357/hour
320 GB NVMe	16 vCPUs	64 GB	320 GB NVMe	8 TB	\$480/month \$0.714/hour
480 GB NVMe	24 vCPUs	96 GB	480 GB NVMe	9 TB	\$720/month \$1.071/hour
640 GB NVMe	32 vCPUs	128 GB	640 GB NVMe	9 TB	\$960/month \$1.429/hour
768 GB NVMe	40 vCPUs	160 GB	768 GB NVMe	10 TB	\$1,200/month \$1.786/hour

6. Press the **Deploy Now** button to start the instance deployment.

### Additional Features

**Auto Backups** \$96.00/mo Recommended

Highly recommend for mission-critical systems. Backups enable easy recovery from a disaster by spinning up a new instance from a saved image. [Learn More](#)

**IPv6** Free

If checked, an IPv6 address will be assigned to the instance.

**DDoS Protection** \$10/mo

Add a layer of protection to ensure consistent performance and uninterrupted system access, even when targeted by Distributed Denial of Service attacks. [Learn more](#)

**Virtual Private Cloud** Free

If you have VPCs in this region, you can select one below. Otherwise a default VPC will be created. [Learn more](#)

**Virtual Private Cloud 2.0** Free

If you have VPCs in this region, you can select one below. Otherwise a default VPC will be created. An IP is provided, but you may set a different IP if desired. [Learn more](#)

**Cloud-Init User-Data** Free

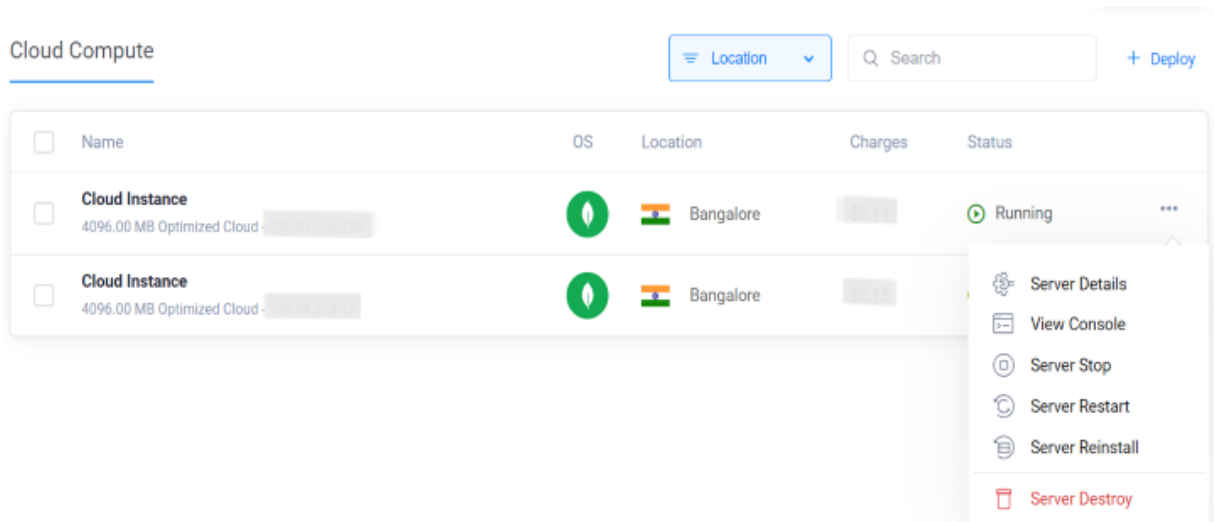
This allows you to configure the user-data provided to Cloud-Init. This is an advanced feature. [Learn more](#)

Servers Qty:  Summary: **\$576.00**/month (\$0.857/hour) Deploy Now

Additional 18% GST applicable to your account [Update Settings](#)

It's recommended to enable auto backups as they prevent data loss.

7. Once the instance is deployed go to the server details.



The deployment may take a few minutes to fully complete, and you can follow the initialization process on the instance console.

## Access via MongoDB Shell

The MongoDB Shell is a command-line interface (CLI) provided by MongoDB, enables users to perform tasks like querying, updating, and managing databases and collections directly from the command line. It uses JavaScript syntax for scripting and executing complex operations within the shell. This section explains the steps to connect to your MongoDB server deployed using the marketplace application via MongoDB Shell. You will download MongoDB Shell on your workstation based on your requirements.

1. To connect to your MongoDB server using the marketplace application via MongoDB Shell, download [MongoDB Shell](#) on your workstation based on your requirements.
2. To connect to MongoDB instance with authentication, using the admin database for authentication. Access the value listed in your App Instructions section within the instance control panel, and copy the command.

## App Instructions

Mongo Admin Username:

Mongo Admin Password:

Access your MongoDB® instance: 

```
mongosh "mongodb://<username>:<password>@<server_ip>:27017/defaultdb" --authenticationDatabase admin
```

3. Once the MongoDB Shell is set up on your system, open your terminal/console and enter the following command you saved earlier.

### CONSOLE

```
$ mongosh "mongodb://admin_username:admin_password@SERVER_IP:27017/defaultdb" --authenticationDatabase admin
```

Replace the `admin_username`, `admin_password`, and `SERVER_IP` with your actual server credentials.

If the connection is successful, your output should look like this:

### CONSOLE

```
Current Mongosh Log ID: 66200038fb5fc403d7ef634a
Connecting to:          mongodb://<credentials>@SERVER_IP:
27017/?directConnection=true&authSource=admin&
Using MongoDB:         7.0.8
Using Mongosh:         2.2.4

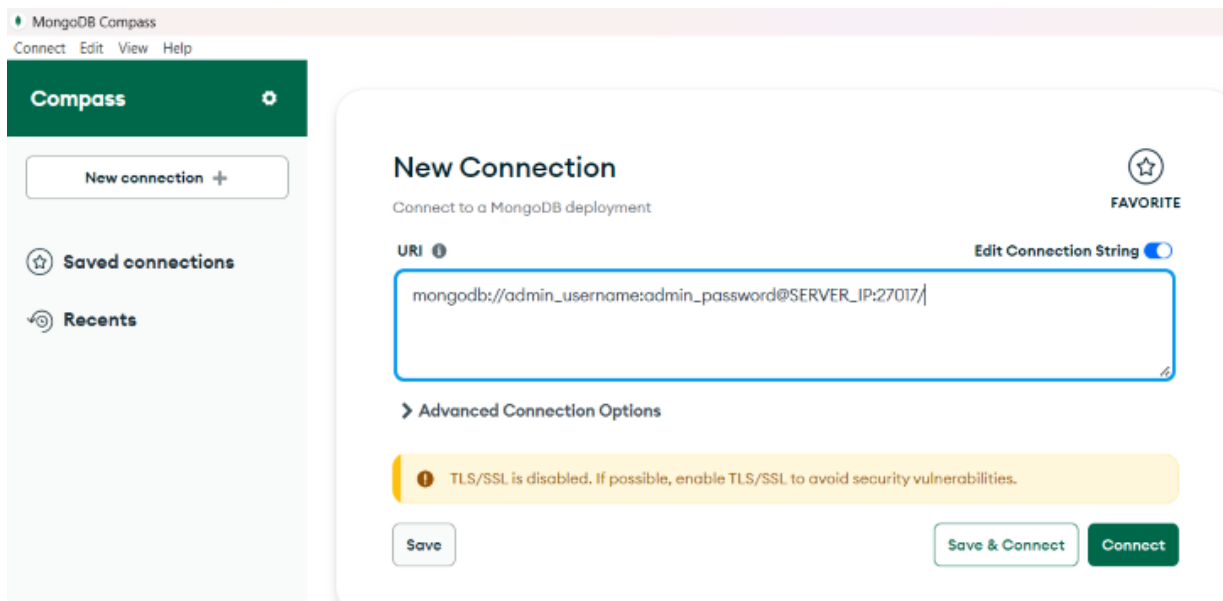
For mongosh info see: https://docs.mongodb.com/mongodb-shell/
```

## Access via MongoDB Compass

MongoDB Compass is a graphical user interface (GUI) provided by MongoDB, offering users a visual representation of their data. It facilitates easy navigation through collections, execution of queries, and manipulation of data compared to using the command-line interface. This section explains the steps to connect to your MongoDB server deployed using the marketplace application via MongoDB

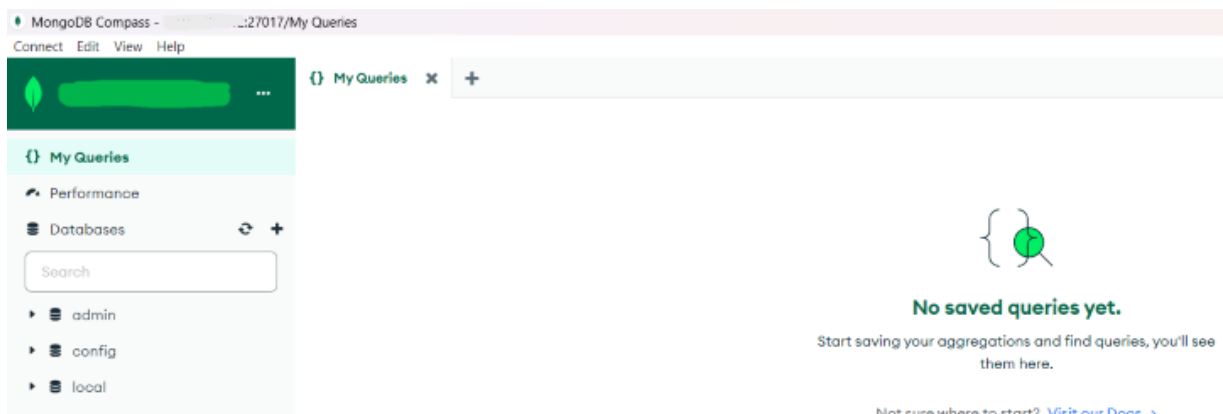
Compass. You will download MongoDB Compass on your workstation based on your requirements.

1. To connect to your MongoDB server using the marketplace application via MongoDB Compass, download [MongoDB Compass](#) on your workstation based on your requirements.
2. Once MongoDB Compass is set up on your system, open the application and click on **New connection**, Enter your URL to connect to your MongoDB server.



Replace the `admin_username`, `admin_password`, and `SERVER_IP` with your actual server credentials, which are listed in the **App Instructions** section within the instance control panel.

3. Once your MongoDB server successfully connects to MongoDB Compass, you can now interact with your databases.



# Conclusion

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In this guide, you deployed the Vultr MongoDB Community Edition marketplace application along with its specified requirements. Then, you connect your MongoDB server to MongoDB Shell for command-line interface (CLI) and MongoDB Compass for graphical user interface (GUI) using the marketplace application.



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