

Lesson 01 Demo 01

Creating an Account on MongoDB Atlas

Objective: To create an account on MongoDB Atlas and build a MongoDB application

Tools required: Browser

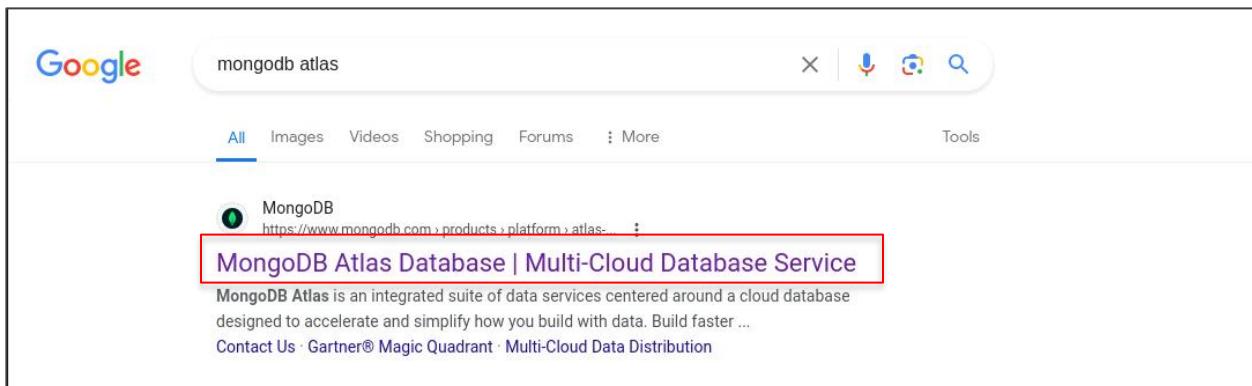
Prerequisites: None

Steps to be followed:

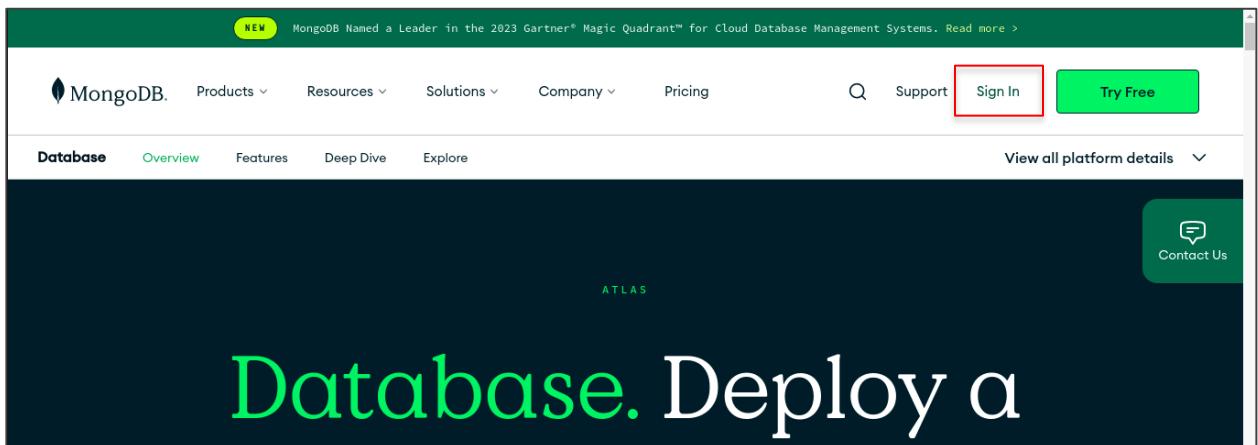
1. Build a MongoDB application
2. Create a cluster

Step 1: Build a MongoDB application

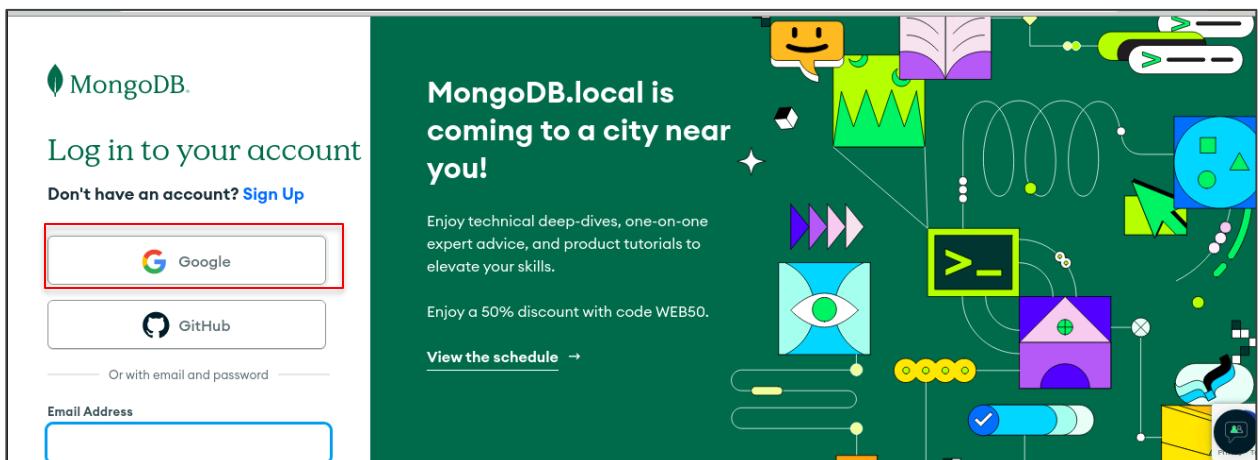
1.1 Search for **MongoDB Atlas** in the browser and click on the first link



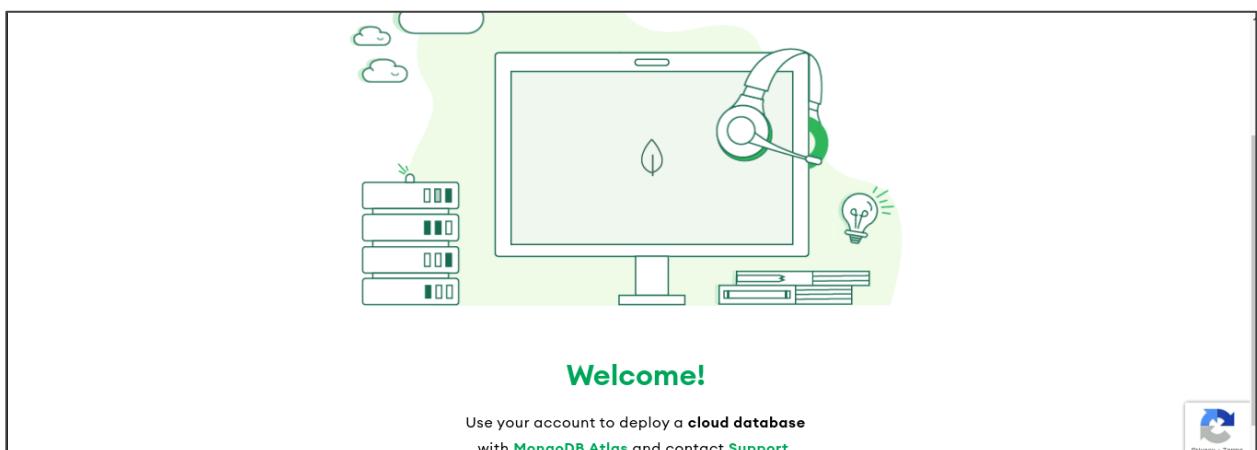
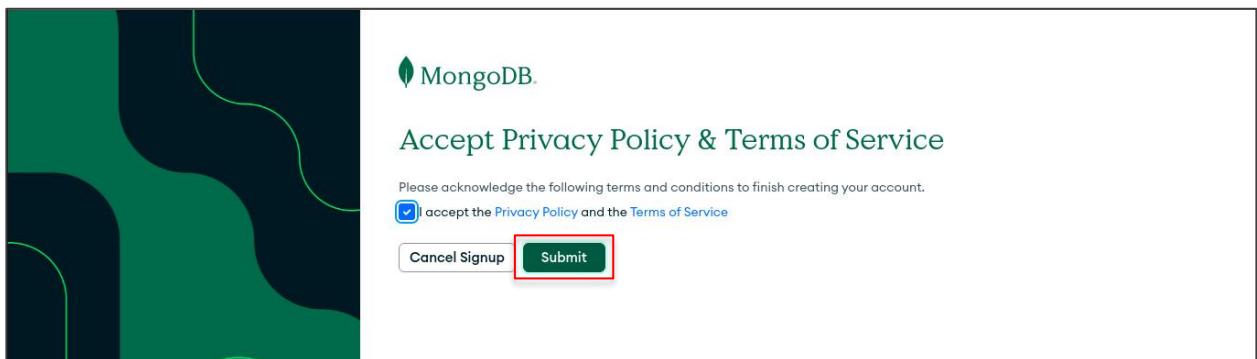
1.2 Click on **Sign In**



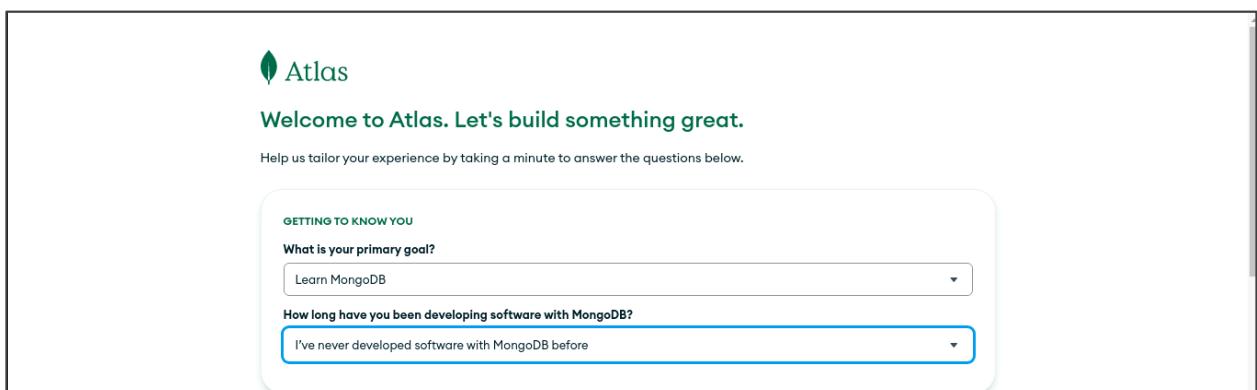
1.3 Select **Google** and enter your details



1.4 Accept the terms and conditions and click on **Submit**



1.5 Choose the **Learn MongoDB** option as the primary goal



1.6 Select **Java** under **What programming language are you primarily building on MongoDB with?**

The screenshot shows a survey interface titled "GETTING TO KNOW YOUR PROJECT". A question asks "What programming language are you primarily building on MongoDB with?" with a dropdown menu containing "Java". Below it, another question asks "What type(s) of data will your project use?" with a list of options including "Customer...", "Location...", "User acti...", "Time seri...", "Catalog /...", "Vector em...", and "Streaming...".

1.7 Refer the following screenshot to answer the questions and then click on **Finish**:

The screenshot shows the same survey interface as the previous one, but with more answers selected. The "What type(s) of data will your project use?" section now includes "Customer...", "Location...", "User acti...", "Time seri...", "Catalog /...", "Vector em...", and "Streaming..." (with a red box around it). The "Will your application include any of the following architectural models?" section now includes "Not sure..." (with a red box around it). A red box also highlights the "Finish" button at the bottom right.

Step 2: Create a cluster

2.1 Select the M0 cluster

The screenshot shows the MongoDB deployment interface. At the top, it says "Deploy your database | ...". Below that, it says "cloud.mongodb.com/v2/64b0fa52d952177f57f2b273#/clusters/starterTemplates". A message says "Use a template below or set up advanced configuration options. You can also edit these configuration options once the cluster is created." Three cluster templates are shown:

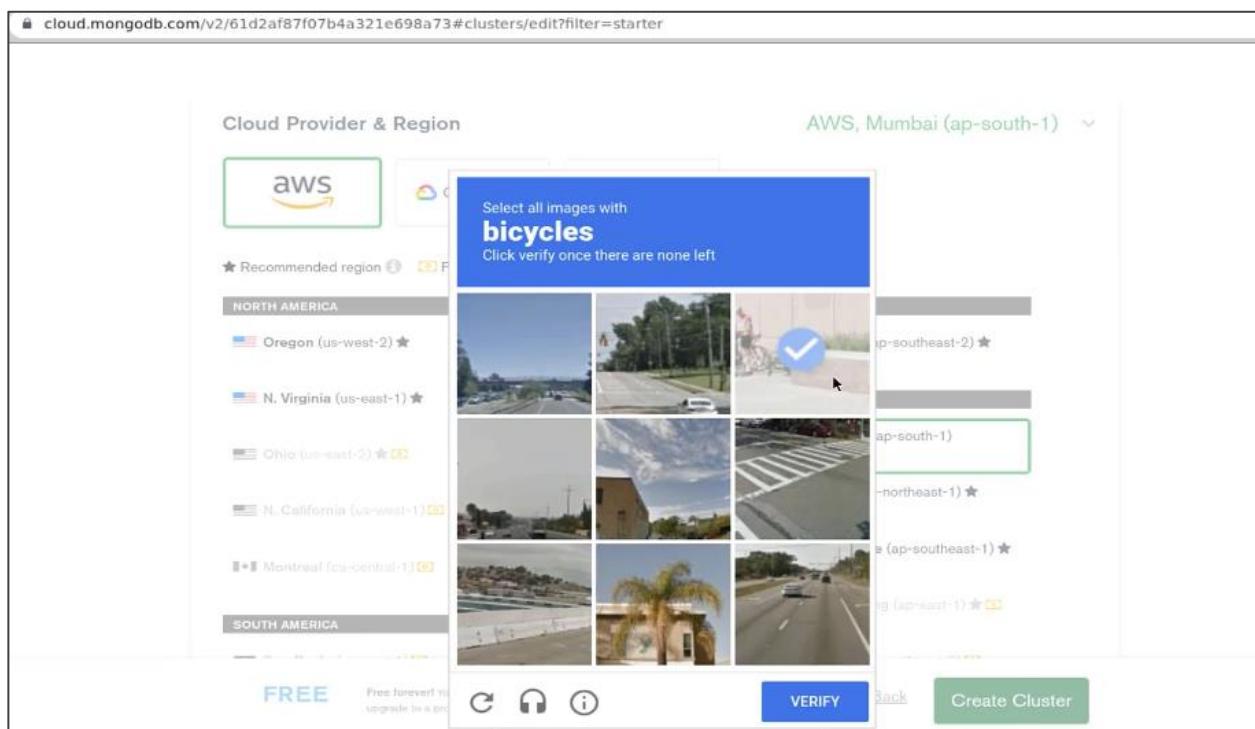
- M10** **\$0.08/hour**: For production applications with sophisticated workload requirements. Storage: 10 GB, RAM: 2 GB, vCPU: 2 vCPUs.
- SERVERLESS** **\$0.10/1M reads**: For application development and testing, or workloads with variable traffic. Storage: Up to 1TB, RAM: Auto-scale, vCPU: Auto-scale.
- M0** **FREE**: For learning and exploring MongoDB in a cloud environment. Storage: 512 MB, RAM: Shared, vCPU: Shared. This option is highlighted with a red border.

Below the templates, there's a "FREE" section with a "Create" button. A note says "Free forever! Your M0 cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime." There's also a link "I'll deploy my database later" and a camera icon.

2.2 Provide a Name to the cluster, choose AWS cloud as the provider, and then click on Create Deployment

The screenshot shows the MongoDB cluster creation form. At the top, there's a green info bar: "Free forever! Your M0 cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime." Below that, there's a "Name" field with the placeholder "You cannot change the name once the cluster is created." A text input field contains "DemoCluster0", which is highlighted with a red border. There are two checked checkboxes: "Automate security setup" and "Preload sample dataset", each with an info icon. Below that is a "Provider" section with three options: "AWS" (highlighted with a red border), "Google Cloud", and "Azure". At the bottom, there are three buttons: "I'll do this later", "Go to Advanced Configuration", and a large green "Create Deployment" button, which is also highlighted with a red border.

2.3 Complete the captcha part and click on **VERIFY**



The cluster provision will be in the execution phase and will take some time to process. Once the cluster is ready, you can create a database and start working with MongoDB.

By following these steps, you have successfully created an account on MongoDB Atlas and built a MongoDB application.