MongoDB is a software tool which assists in setting up, deploying and scaling a database in a user-friendly manner, as it does not require any on-premise physical hardware, updates on the software and other details on the performance. It primarily works on the cloud. MongoDB Atlas is managed by the cloud database. And it offers to pick any of the cloud service provider as AWS, Azure and GCP while dealing with the deployments. It is suggested the best tool in deploying, running and scaling MongoDB in cloud. While starting with the MongoDB there are steps to be followed, such as: creating a MongoDB cloud account, MongoDB Atlas cluster, configuring the network access and creating a cluster user and connecting to it.

While creating a MongoDB Atlas account, it starts with the registration(signing up process), organisation (provides access to work with a team) and projects (assists in choosing resources like database clusters, triggers and data lakes according to the project requirement).

Now, while setting up the cluster in the MongoDB Atlas, we have to select appropriate organisation and projects and move on to selecting clusters and then aim to build a ckuster which pop out in the middle. Then it shows a couple of options to be picked from the cluster such as shared cluster, dedicated cluster, multi cloud and multi region cluster. Shared cluster can be considered as a least expensive from the options that are presented and it works shared hardware resources and network. Dedicated cluster works on the basis of dedicated set of hardware and network. It also allows in scaling automatically in a single region. Multi cloud and Multi region can work with data from multiple geographical regions. It allows to work with combination of AWS, Azure and GCP. After selecting the cluster tier, back up and cluster name. Some of the options may be available on the paid cluster tiers.

Now, click on the create cluster button.

After the cluster is ready, a green circle will be appearing beside to the cluster name which indicates that the creation of the cluster name is successful.

Accessing a MongoDB Atlas Cluster: Enabling a network access/IP address, creating a database user and connect them to the cluster. In the end generate connection string for the script. While allowing access to IP address, enabling network access explicitly and connect them to the cluster, click on the connect option from the atlas management console. While Creating a cluster user, to connect the database, it is recommended to interact with the MongoDB Atlas database using scripts or apps, you'll need a database user. This isn't the same as the user who handles cluster and resource management in Atlas.

As the database users, who were assigned in a project, would have the rights to all project clusters. As their roles and privileges could be varied. The initial user would be getting the administrative rights by default. Below your network settings, there's an option of setting up database user. Type in your desired username and password, then hit the "Create database user" button. If you want more users in the future, just head over to the Security tab.

Generating a Connection String for your Application, If your application needs to link with an Atlas cluster, a corresponding driver might be necessary. There's a list of supported drivers available. For any application, a database connection string is considered to be important. With network access activated and a database user in place, click "Choose connection method". This lets you produce the needed connection string. Alternatively, the "Connect" button on the Clusters tab in Atlas serves the same purpose.

Now click on the connect your application and select the driver which could be node.js, python or other programming language Next, pick the version from which your application's

connection string will be generated. To produce the code to verify connection, you may also select the "Include full driver code example" option. For your MongoDB connection, make sure to input your real username and password where it says `username` and `password`. Also, replace "MyFirstDatabase" with your actual database name.

1. Go to your specific cluster in Atlas.

2. Hit the [...] button.

3. Pick "Load Sample Data."

4. Confirm it.

5. Now, you've got sample collections. Check them out by clicking on "Collections" under the "Clusters" section.

Comment on Antecedent Writing: I feel the antecedent writing should be improved on taking the character which are typed at a faster rate and the interface should be made more user friendly as i felt it to be hard in a way it a taking more time to load and etc.