MongoDB and Studio3T Setup

MongoDB Cluster Setup

1. Visit https://cloud.mongodb.com/ and create your account.
2. Once logged in, create a new Project

3. Once a project is created, you can create mongodb cluster (server). Click on Build a Cluster

4. Choose Share Cluster (Free) and click Create Cluster
5. Select AWS (default) and click Create Cluster. Make sure to choose all the free options.

Cloud Provider & Region   AWS, N. Virginia (us-east-1)

aws   Google Cloud   Azure

★ Recommended region

EUROPE	ASIA	NORTH AMERICA
Ireland (eu-west-1) ★	Singapore (ap-southeast-1) ★	N. Virginia (us-east-1) ★
Frankfurt (eu-central-1) ★	Mumbai (ap-south-1)	Oregon (us-west-2) ★

AUSTRALIA

Sydney (ap-southeast-2) ★

FREE   Free forever! *Your M0 cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime.*   Back   Create Cluster

6. It will take some time to create your mongodb cluster. You can see the blue line for progress.
7. Once deployed, you will see the screen below

Clusters

Find a cluster...

SANDBOX

● **Cluster0**
Version 4.4

CONNECT   METRICS   COLLECTIONS   ...

CLUSTER TIER
M0 Sandbox (General)

REGION
AWS / N. Virginia (us-east-1)

TYPE
Replica Set - 3 nodes

LINKED REALM APP
None Linked

8. Click Connect button.
9. Click on Allow Access from Anywhere option and click on Add An IP Address
10. Create a Database user of your own choice and click create database user button.

You're ready to connect. Choose how you want to connect in the next step.

1 Add a connection IP address
  ✓ An IP address has been added to the IP Access List. *Add another address in the IP Access List tab.*

2 Create a Database User
  ✓ A MongoDB user has been added to this project. *Not yours? Create one in the MongoDB Users tab.*
  You'll need your MongoDB user's credentials in the next step.

Close   Choose a connection method

11. Click on Choose a connection method button.
12. Click on Connect using MongoDB Compass
13. Copy the connection string. We will use it in Studio3T.
14. Go back to Cluster Menu and click Collections
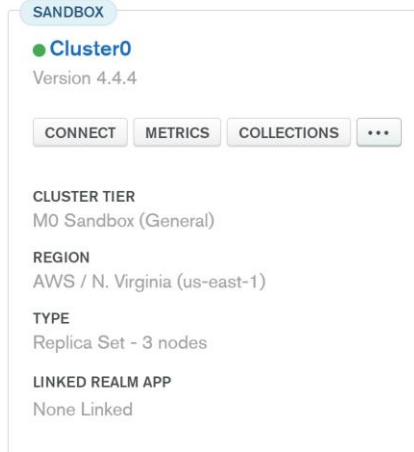
15. Click on Load Sample Data and confirm Load Sample Dataset (around 350MB)

16. This will take some time. Press the refresh button to see the sample datasets.

Studio 3T Setup

1. Install Studio 3T from https://studio3t.com/
2. Run Studio 3T after installation.
3. Click Connect button

   Studio 3T for MongoDB

   File Edit Database Collection Index Document

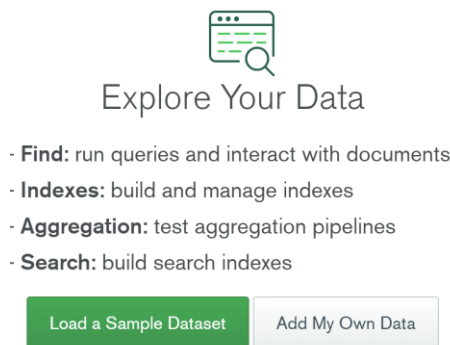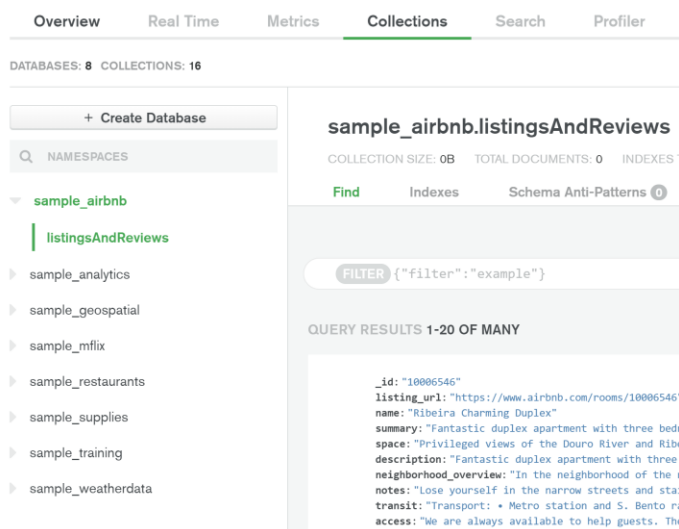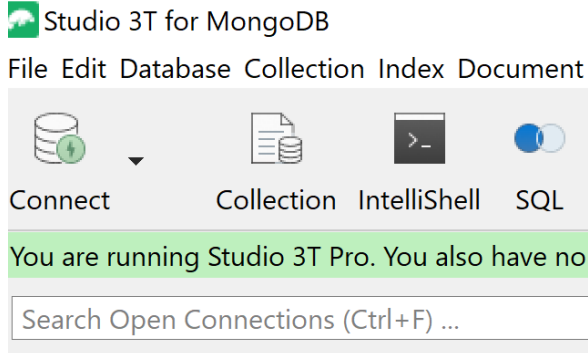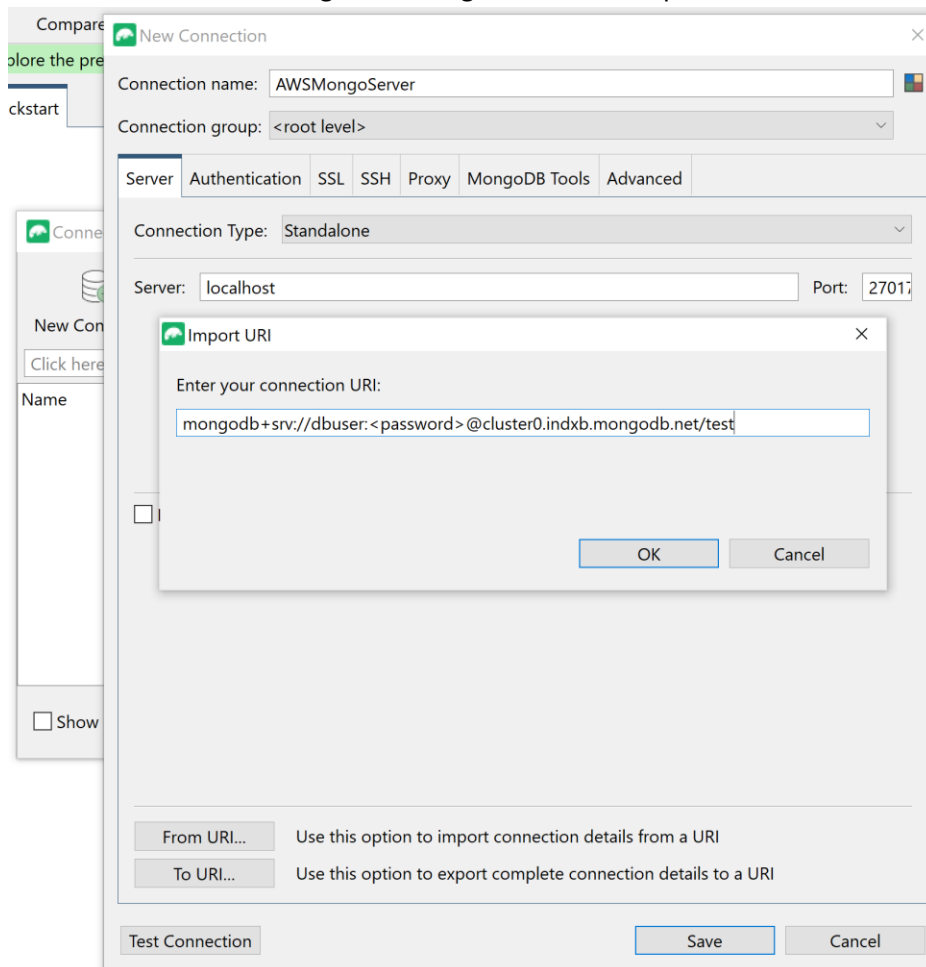   Connect   Collection IntelliShell SQL

   You are running Studio 3T Pro. You also have no

   Search Open Connections (Ctrl+F) ...

4. Click new connection. Type connection name of your own choice.
5. At the bottom, click on the button From URI
6. Paste the connection string from MongoDB server and press ok

   New Connection

   Connection name: AWSMongoServer

   Connection group: <root level>

   Server | Authentication | SSL | SSH | Proxy | MongoDB Tools | Advanced

   Connection Type: Standalone

   Server: localhost   Port: 27017

   Import URI

   Enter your connection URI:

   mongodb+srv://dbuser:<password>@cluster0.indxb.mongodb.net/test

   OK   Cancel

   From URI...   Use this option to import connection details from a URI
   To URI...   Use this option to export complete connection details to a URI

   Test Connection   Save   Cancel

7. Go to authentication and provide your Mongodb user and password.
8. Press ok and then press connect. If successful, you will see three databases

Search Open Connections (Ctrl+F) …

- ⌄ 🖳 atlas-2z4qnt-shard-0 [replica set: atlas-2z4qnt-shard-0]
  - › 📒 Replica Set Members
  - › 🗄 admin
  - › 🗄 local
  - › 🗄 sample_airbnb
  - › 🗄 sample_analytics
  - › 🗄 sample_geospatial
  - › 🗄 sample_mflix
  - › 🗄 sample_restaurants
  - › 🗄 sample_supplies
  - › 🗄 sample_training
  - › 🗄 sample_weatherdata
  - › 🗄 test
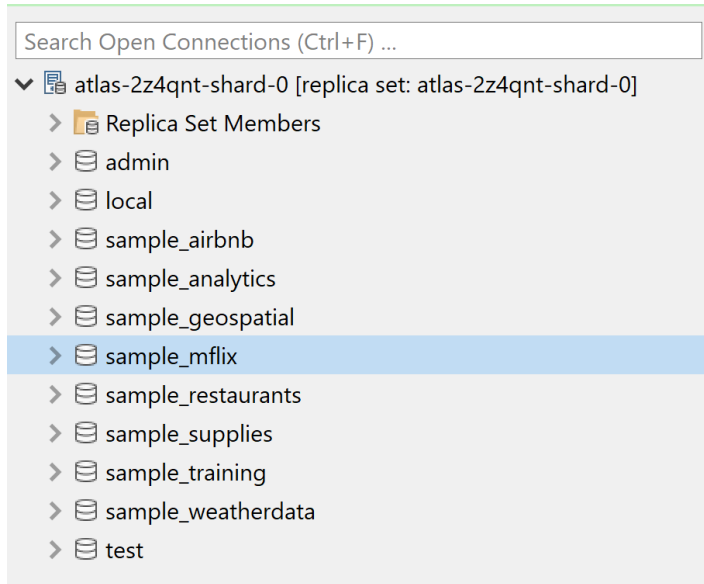
9. You are all set to work on NoSQL data.