Creating a remote database: Atlas

- More about Atlas https://www.mongodb.com/cloud/atlas

- Create free account

- Create project

- Create database -> create cluster

- More about clusters: https://www.mongodb.com/basics/clusters

"In the context of MongoDB, "cluster" is the word usually used for either a replica set or a sharded cluster. A replica set is the replication of a group of MongoDB servers that hold copies of the same data; this is a fundamental property for production deployments as it ensures high availability and redundancy, which are crucial features to have in place in case of failovers and planned maintenance periods.
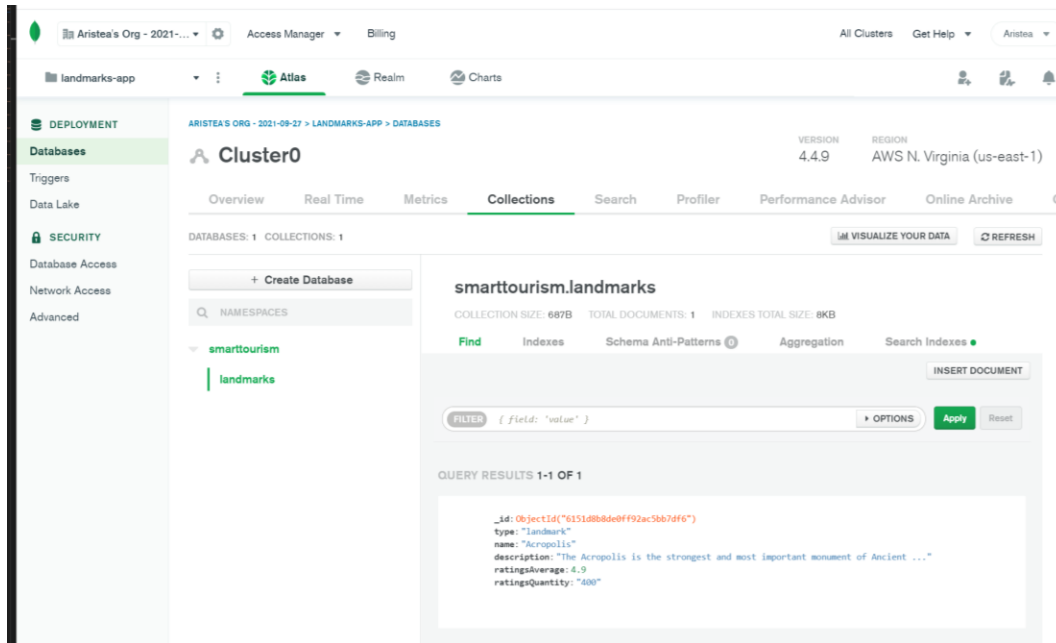
A sharded cluster is also commonly known as horizo
ntal scaling, where data is distributed across many servers.

The main purpose of sharded MongoDB is to scale reads and writes along multiple shards."

- Connect to cluster:
  - select connect button
  - Add a connection IP address (we want to connect our computer to this cluster)
  - Open config.env file in your project and save password ie. DATABASE_PASSWORD=hellothere
  - In the next step choose : Connect Using MongoDB Compass and then mongoshell
- **Copy the connection string, then open MongoDB Compass.**
- In MongoDB Compass ->select connect ->connect to -> fill data to connect

Create database and collection at once

Insert a document in the collection and check cloud Atlas

You can also allow access from everywhere (not just the particular IP) :

Cloud Atlas : Network access, edit IP and select **allow access from anywhere**