Workforce Management System

Milestone: Implementation in NoSQL

Group 20 Student1 Ankita Shukla Student 2 Soham Palnitkar

857-498-9754 (Tel of Student 1) 857-693-8702 (Tel of Student 2)

shukla.ank@northeastern.edu palnitkar.s@northeastern.edu

Percentage of Effort Contributed by Student1:5	50
Percentage of Effort Contributed by Student2:50)
Signature of Student 1: Ankita Shukla	
Signature of Student 2: Soham Palnitkar	
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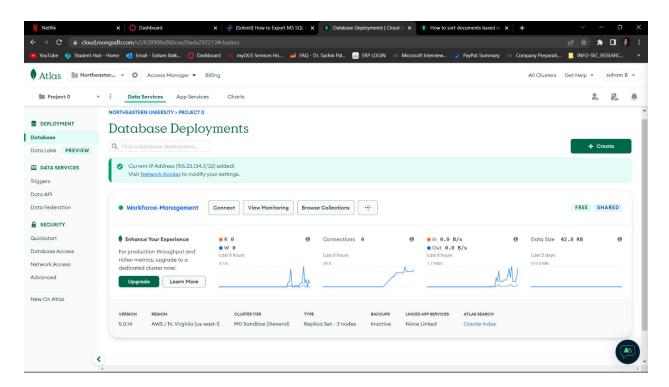
Implementation in NoSQL

NoSQL database technology stores information in JSON documents instead of columns and rows used by relational databases. To be clear, NoSQL stands for "not only SQL" rather than "no SQL" at all.

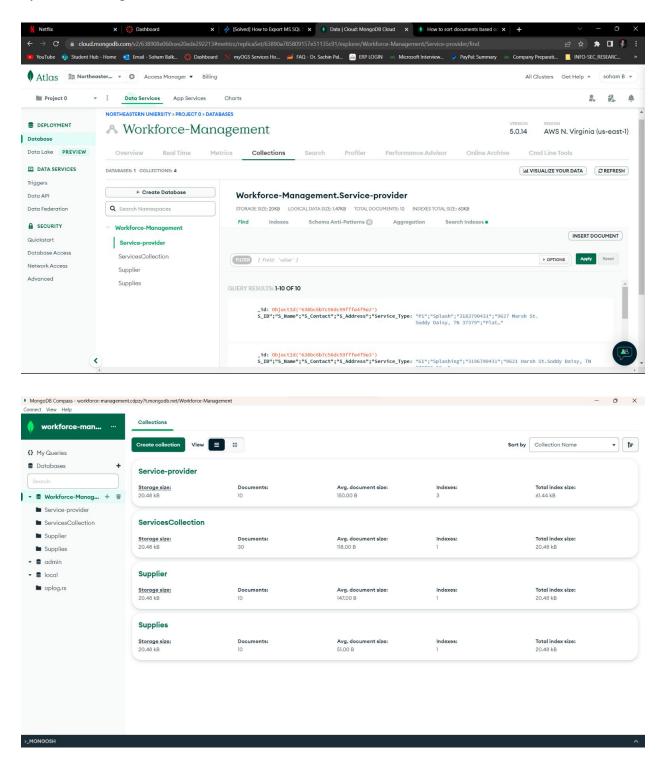
Combines the flexibility of JSON with the power of SQL for the best of both worlds. Consequently, NoSQL databases are built to be flexible, scalable, and capable of rapidly responding to the data management demands of modern businesses.

MongoDB is one of the foremost open-source NoSQL systems. It is a document-oriented database that uses dynamic schemas to store JSON-like documents. This database solution features a flexible data model, enabling users to store unstructured data. Users can also access full indexing support and replication through intuitive API.

The following screenshot represents the deployment for Workforce Management System in MongoDB.

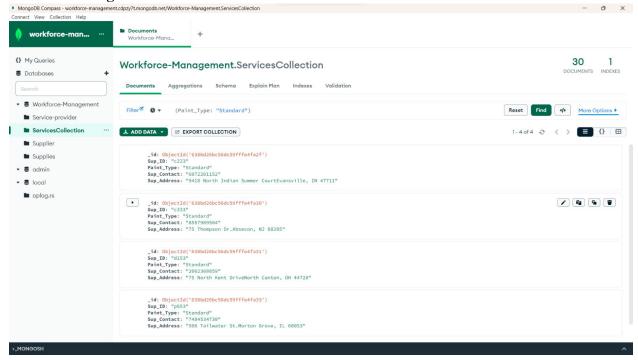


The following screenshots represent the collections created under the Workforce Management System in MongoDB.

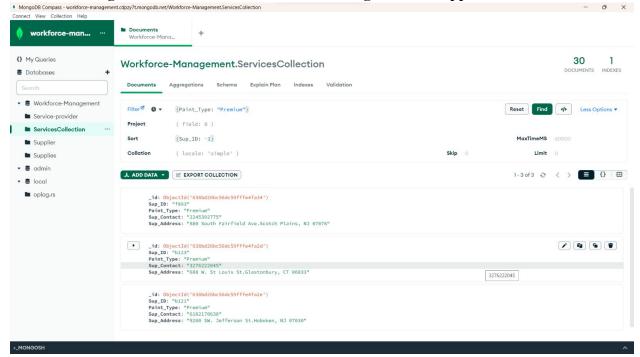


Below are the examples of query implementation on Workforce Management System in MongoDB.

1. The following screenshot represents the output for selecting supplier details for all those suppliers who supply 'standard' paint type for Workforce Management System in MongoDB.



2. The following screenshot represents the output for selecting supplier details for all those suppliers who supply 'premium' paint type for Workforce Management System in MongoDB and sort the result in descending order of supplier Id.



3. The following screenshot represents the output for implementing aggregations and create a pipeline for Workforce Management System in MongoDB, displaying Service Provider Id, Service Provider name for service providers who's service type is gold.

