

Case STUDY – NoSQL



Challenge

Existing system was unable to cope with increased demand resulting in sluggish response times and degraded performance.

Solution Profile

Re-design and Migration of a MongoDB cluster to improve performance and provide high availability and setup of performance monitoring.

Services Provided:

Re-designed the database keeping in mind:

- High Availability
- Nodes per cluster
- Arbiter,
- Backup sets

Automated the complete installation and configuration of Mongo DB using shell script which can perform activities such as : single instance configuration or a replica set.

Setup Mongo Ops Manager (earlier known as MMS - mongo management service) for monitoring BI connector for Mongo – Tableau

Setup databases and collections, indexes, data copy (mongo dump/restore).

Implemented auto purging using Time to live (TTL) indexes.

Upgradation of Mongo clusters

Performance Tuning

Defined best practices for accessing database covering:

- Authentication mode
- User Creation
- Roles, etc.