mongoDB DBA Course Content

1. Introduction.

- Introduction and overview of mongoDB database.
- History of mongoDB.
- Features of mongoDB.

2. Installation

- RPM Installation.
- Generic Binaries Installation (zip/tar).
- Basic configuration options.

3. Working with Database, Collections, Document and Fields.

- Introduction to MongoDB commands (with lab).
- Creating a Database, Collection and Documents.
- Creating, Reading and Updating Data (CRUD).
- Indexing
- Retrieving a subset of fields
- Grouping
- Aggregation.
- Optimize Query Performance

4. User and Role Management.

- Create a User Administrator.
- Add a User to a Database.
- Create/Assign User a Role.
- Verify/Modify a User Access/Privileges.
- Change a User's Password.

5. Backup

- Backup and Restore with Filesystem Snapshots
- Back Up and Restore with MongoDB Tools
- Backup and Restore Sharded Clusters

6. Restore & Recovery.

- Restore a Replica Set from MongoDB Backups
- Recover Data after an Unexpected Shutdown

7. Security.

8. Server Optimization.

9. Replica set.

- Replica Set Deployment.
- Member Configuration.
- Replica Set Maintenance.
- Troubleshoot Replica Sets.

10. Sharded Cluster

- Sharded Cluster Deployment.
- Sharded Cluster Maintenance.
- Sharded Cluster Data Management.
- Troubleshoot Sharded Clusters.

11. Upgrading mongoDB.