MongoDB

Course description
This training course is designed for Administrator who wants to better understand how to create Apache Hadoop solutions. This 35 Hours provides Java programmers the necessary training for creating enterprise solutions using Apache Hadoop. It consists of a prudent combination of interactive lecture and extensive hand-on lab exercises.

Student Take away
- Study Material
- Learning stuff
- Sample project for practice

MongoDB online training curriculum

Introduction to MongoDB
- No Sql and Its Flavours
- Why MongoDB
- Core Concepts and Philosophy
- Json and Bson
- JavaScript
- Installing MongoDB on the Windows
- Overview of Building an App with MongoDB

Queries and the Aggregation Pipeline
- CRUD and the MongoDB Shell
- Schema Design
- Aggregation Framework
- Map Reduce

Replication
- Introduction to Replication
- Replica Set Configuration
- How replication affects application design

Indexing and Performance Optimization
- Index types
- Covered Indexes
- The Profiler
- Mongo stat and Mongo top

Sharding

- Introduction to Sharding
- Sharding Set Configuration
- Internals of Sharding
- The Configure Database
- Working with a Sharded Collection

Backup and Security

- Mongo dump
- Intra-cluster security
- Geospatial Indexes
- Grid FS