

Course Content

Overview of MongoDB

MongoDB fundamentals

Architecture of MongoDB

Installation and administration

Installing MongoDB

Administration and Security

Replication and sharding strategies

Configuration for high performance

Data modelling with MongoDB

Document oriented data modelling

Modelling data in RDBMs versus MongoDB

Optimisation and use of indexes

MongoDB query syntax

The mongo shell

CRUD operations

Aggregation queries

Optimisation and best practices

Building and deploying applications with MongoDB

Overview of APIs: Java, Node.js and others

Building sample applications

MongoDB diagnostics

Deployment and operations