



MongoDB

Course Description

MongoDB training helps you master NoSQL database that is a cross-platform, document oriented database that provides, high performance, high availability, and easy scalability. MongoDB works on concept of collection and document

Target Population

Developers, Architects, DBAs

Pre-requisites

Familiarity with Linux command line, minimal knowledge of a modern programming language, database or data-warehouse concepts

Course Objectives

Understand MongoDB and NoSQL domain

Create MongoDB cluster for different kinds of applications

Understand MongoDB Architecture

Design and model Applications for MongoDB

Basic operations, monitoring and troubleshooting

Course Topics

- **Introduction to NoSQL**
- **MongoDB Concepts**
 - Overview

- Advantages
- Environment
- Data Modelling
- Create and drop Databases
- Create and drop Collections
- Datatypes
- Insert, query, update and delete documents
- Projections
- Limit Records
- Sort Records
- Indexing
- Aggregation
- Replication
- **Operation**
 - Sharding
 - Deployments
 - Backups
 - JAVA and PHP
- **Advanced topics**
 - Relationships
 - Database References
 - Covered Queries
 - Analyzing Queries
 - Atomic Operations
 - Advanced Indexing
 - Indexing Limitations
 - Map Reduce
 - Text Search
 - Regular Expression