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mongoDB

Quick Contact

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Introduction to MongoDB

- Concepts
- Scaling
- SQL and Complex Transactions
- Documents Overview
- Installing MongoDB (windows)
- Installing MongoDB (linux)
- JSON
- Dynamic Schema
- Mongoimport
- Cursors Introduction
- Query Language: Basic Concepts
- Query Language: Projection
- Query Language: Advantages of a Dynamic Schema
- Shell: Queries
- Sorting
- Query Language: Cursors

CRUD, ADMIN COMMANDS

- Insertion
- Update
- save() Command





- Partial Updates & Document Limits
- Removing Documents
- Multi Update
- Upsert
- Wire Protocol
- Bulk() Operations and Methods
- Common Commands
- `db.runCommand()`
- `db.isMaster()`
- `db.serverStatus()`
- `db.currentOp()` & `db.killOp()`
- `collection.stats()` & `collection.drop()`
- Review of Commands

Introduction

- Storage Engine: WiredTiger
- `createIndex()`, `getIndexes()` & `dropIndex()`
- Collection Scans
- Index Notes
- Unique Indexes
- Sparse Indexes
- TTL Indexes





- Geospatial Indexes
- Text Indexes
- Background Index Creation
- Explain Plans
- Covered Queries
- Read & Write Recap
- `currentOp()` & `killOp()`
- The Profiler
- `mongostat` and `mongotop`

Asynchronous Replication

- Statement-based vs. Binary Replication
- Replication Concepts
- Automatic Failover
- Recovery
- Starting Replica Sets
- Initiating a Replica
- Replica Set Status
- Replica Set Commands





- Reading & Writing
- Failover
- Read Preference
- Read Preference Options
- Reconfiguring a Replica Set
- Arbiters
- Priority Options
- Hidden Option & Slave Delay
- Voting Options
- Applied Reconfiguration
- Write Concern Principles
- Examining the 'w' Parameter
- Write Concern Use Cases & Patterns
- Reexamining the Page View Counter Pattern
- W-timeout & Capacity Planning
- Replica Sets in a Single Datacenter
- Replica Sets in Multiple Datacenters
- Replica Sets and Storage Engine Considerations

For More Visit : <https://www.traininginbangalore.com/mongoddb-training-institute-in-bangalore/>





Assessments

- Objective Assessments

- Syntactical based

- Scenario based

Note: At least 2 objective based assessments in each module

- Hands On – Practical Assessments

- Scenario based

Note: At least 2 Hands on assessments in each module

Assignments

- Hands On – Practical Assignments

Note: At least 4 Hands on assignments in each module

Tasks – Home Work

- Regular tasks on each module

Note: Tasks are focused more to improve self learning

Resume Support & Interview Preparation

- Work on one or two mini projects

- Discuss and convert the current working project into

MongoDB project to add in resume & to explain MongoDB experience in interviews

