



mongoDB

MongoDB



POSITIVE QUADRANT
TECHNOLOGIES

Programming & development

Course Curriculum

Basic – 18 Hours



MongoDB

Module 1 : Introduction to MongoDB

Introduction to Mongo DB

Why use MongoDB?

Installation of MongoDB

Module 2 : Aggregation

Introduction to Aggregation

Syntax

Parameters

Count, Sum, Average, Match and Operations with arrays



POSITIVE QUADRANT
TECHNOLOGIES
SERVING INFORMATION WORLDWIDE

Module 3 : Backing up and Restoring Data

Mongoimport with JSON

Mongoimport with CSV

Module 4 : Bulk Operations

Converting a field to another type

updating the entire collection in Bulk.

Module 5 : Collections

Create a Collection

Drop Collection



Starting mongo with a specific config file

Module 6 : CRUD Database Operations

Syntax

Create, Read, Update and Delete Databases

More Update operators

List all databases

List all collections in database

Module 7 : Indexes

Syntax

Single field

Compound

List

Index Creation Basics



Module 8 : Mongo as Shards

Sharding Environment Setup

Config Server

Replica Sets

Mongos

Module 9 : Querying for Data

Find()

FindOne()



Query Document – Using AND, OR AND IN Conditions

Module 10 : Replication

Basic configuration with three nodes

Creating data folders

Starting mongod instances

Configuring replica set

