Overview

This 2-day course is designed for teams who are already familiar with basic MongoDB administration, and develops skills in critical areas such as Ops Manager usage and configuration, server and infrastructure provisioning, diagnostics, troubleshooting, maintenance, performance tuning, and disaster recovery.

A MongoDB instructor leads teams through using and configuring their own deployment of Ops Manager, then using Ops Manager to set up and manage environments that represent different MongoDB deployment topologies similar to the ones students will encounter in the real world. Teams are hands-on throughout the course, actively working together to identify and implement solutions.

MongoDB training courses are delivered on site at your company and taught by an experienced MongoDB consulting engineer. Throughout the course, hands-on exercises reinforce the subjects being discussed.

Who Should Attend?

This course is designed for database administrators who already have a foundational knowledge of MongoDB administration, including familiarity with MongoDB concepts and features for replication, sharding, performance tuning, security and backups. This level can be attained via prior completion of the MongoDB Administrator or MongoDB Essentials instructor-led training courses, or equivalent MongoDB University online self-study courses.

Course Duration

This is a 2-day training course.

Course Prerequisites

- This class can be delivered in person or remotely. For in-person classes, all students must attend the class in person.
- Each class accommodates up to 12 students.
- To fully participate in the class, students should be equipped with a computer that has:
  - unobstructed web access
  - access to the strigo.io training delivery platform via a supported web browser
  - for remote classes, the ability to join a Zoom meeting using the Zoom desktop client (ideally), or using the Zoom web client in a supported web browser
Course Content

**Day 1**

**Ops Manager Installation**
- Exercise: Architect the Ops Manager deployment
- Exercise: Configure the Ops Manager application database
- Exercise: Configure the Ops Manager backup database
- Exercise: Install, configure and launch the Ops Manager service
- Exercise: Install Ops Manager automation agents

**Enabling the Ops Manager Public API**
- Exercise: Enable Public API access

**Ops Manager User Administration**
- Exercise: Create a group
- Exercise: Create a user in the UI
- Exercise: Create users with the API

**Deploying a Replica Set using Ops Manager**
- Exercise: Create a replica set
- Exercise: Write to the primary of the replica set

**Reconfiguring a Replica Set**
- Exercise: Add replica set members
- Exercise: Decommission replica set members
- Exercise: Upgrade MongoDB version
- Exercise: Update node priority

**Securing a Replica Set**
- Exercise: Secure replica set deployment
- Exercise: X.509 users

**Day 2**

**Deploying a Sharded Cluster**
- Exercise: Create a sharded cluster
- Exercise: Correct config server distribution
- Exercise: Detect node down
- Exercise: Configure a shard
- Exercise: Configure Sharding Zones
- Exercise: Detect balancing issues
- Exercise: Move the primary shard
- Exercise: Drain a shard

**Analyzing Profiler Data**
- Exercise: Use the profiler to diagnose performance issues

**Ops Manager Point-in-Time Backup**
- Exercise: Point-in-time backup and recovery

**Additional Exercises**
- Exercise: Create alerts
- Exercise: Restore a replica set backup to a new cluster
- Exercise: Add a member to a replica set using the API