KOENIG SOLUTIONS · COURSE OUTLINE

MDB300: MongoDB Production Readiness

1 Day	3	24	MDB300
DURATION	MODULES	TOPICS	COURSE CODE

COURSE OVERVIEW

Learn how to ensure high availability with MongoDB Replication, scale your deployments using Sharding, and handle data archiving with essential backup strategies. By the end of this course, you'll be prepared to assess and manage various MongoDB cluster architectures for production environments. On completion of this training day, you will be able to evaluate different MongoDB cluster architectures and select an appropriate architecture to meet your production system requirements. You will have a set of skills to manually manage a cluster and back it up using basic tooling. You will also have a complete understanding of MongoDB's basic backup options.

PREREQUISITES

- MDB100: MongoDB Database and Security
- MDB200: MongoDB Optimization and Performance

COURSE SYLLABUS

3 Modules, 24 Topics

01

Replication

TOPICS

- Reasons to replicate data
- Components of a replica set
- Drivers and replica sets
- Replication Process
- Oplog
- Replica Set Elections
- Write Concerns
- Majority Commit Point
- Read Concerns
- Read Preferences

02

Sharding

TOPICS

- What is sharding?
- When to shard
- Sharding architecture
- Shard keys

How sharding works

- Reads/Writes
- Chunks

- Splitting Collections
- Balancing Data
- Loading Data
- Pitfalls and Challenges

03

Basic Backup Options

TOPICS

- Comparison of MongoDB Backup Methods
- mongodump and mongorestore
- Point-in-time restore using the oplog
- Filesystem-level backups

DELIVERY NOTE

How It Is Delivered

- This course is entirely virtual and will be conducted over Zoom video conferencing and Instruqt hands-on lab environments.

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

- Classroom Training
- Live Online Classes (ILO)
- Fly-Me-A-Trainer (FMAT)
- Flexi (Self-Paced)
- 1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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