KOENIG SOLUTIONS · COURSE OUTLINE

DA610: Advanced Queries and Data Processing

1 Day
DURATION

DA610
COURSE CODE

COURSE OVERVIEW

Dive into a series of focused, hands-on exercises designed to challenge and elevate your skills with MongoDB's advanced query language and aggregation framework. By the end of this course, you'll be equipped to leverage MongoDB as a powerful tool for data analysis and transformation. The MongoDB Query Language has many capabilities that untrained engineers are either unaware of or unsure how to best use. This lack of knowledge can result in code that underperforms or has edge cases that impact correctness. The aggregation framework enables writing functional expressions that run inside the database, close to the data, to perform analysis, updates and computation. In this workshop, we move through a series of short but challenging exercises using advanced MongoDB Query Language and aggregation features. Mastery of these skills allows one to achieve far more with MongoDB than merely using it as a data store.

WHO THIS COURSE IS FOR

- This training workshop is intended for developers who have completed MDB200 (MongoDB Optimization and Performance) and DEV400 (MongoDB Developer Extension) or who are already comfortable with using the most common MongoDB aggregation operators such as $project, $group and $unwind, and who want to be able to push significant computation and data manipulation closer to their data.

PREREQUISITES

- This course has the following prerequisites:
- MDB200: MongoDB Optimization and Performance
- DEV400: MongoDB Developer Extension
- Comfortable with using the most common MongoDB aggregation operators such as $project, $group and $unwind, and who want to be able to push significant computation and data manipulation closer to their data

LEARNING OBJECTIVES

What You Will Learn

- build nested queries
- create complex queries using expressive syntax
- adopt best practices for when to project, enrich or redact your data to optimize your queries
- choose between various options for bucketing and summarizing your data
- optimize cross-collection data aggregation
- create non-blocking and highly parallel aggregation operations
- use list comprehension to implement complex functions
- optimize database computation using $let

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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