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MongoDB Essentials

Duration: 2 Days Course Code: MONGOE

Delivery Method: Company Event

Overview:

MongoDB Essentials Course Overview

The MongoDB Essentials course is designed to give delegates experience of installing and using the MongoDB database. This hands-on course introduces delegates to the concept of a document-oriented database then shows how to set up MongoDB for use. Delegates use the built-in shell and various APIs to build a database access application and manipulate data. We also investigate optimising queries using indexes and aggregating data with MongoDB functions.

Exercises and examples are used throughout the course to give practical hands-on experience with the techniques covered.

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Target Audience:

Who will the Course Benefit?

Objectives:

- Course Objectives
- By the end of the course delegates should be able to:
- Install the MongoDB database
- Use the MongoDB shell to access the database
- Create, retrieve, update and delete data

- Use aggregation queries
- Appreciate the APIs used to interface with MongoDB
- Understand the document based structure of the database
- Use an API to develop applications
- Optimise queries with indexes

Prerequisites:

An understanding of programming and database principles would be beneficial.

Content:

MongoDB Essentials Training Course Course Contents - DAY 1	Session 3: DATA MODELLING AND DESIGN	Session 7: USING AN API
	Data Storage	Introducing Drivers
	Working with Datatypes	Java
Course Introduction	Collections	PHP
	Document Datatypes	Ruby
Administration and Course Materials	Creating _id Fields	Python
Course Structure and Agenda	-	-
Delegate and Trainer Introductions	Session 4: QUERYING DATA	Session 8: HIGH PERFORMANCE OPTION
Session 1: NOSQL DATABASES	Databases and Collections	Creating Indexes
	Querying Collections	Manipulating Index Behaviour
What are NoSQL Databases?	Working with Operators	Index Properties
Common Database Features	Referencing a Database	Specialised Index Types
NoSQL Versus Relational Approach	Querying Dates MongoDB Essentials	Replication
Types of NoSQL Databases	Training Course Course Contents - DAY	Sharding
Data Storage	2	J. J
Transaction Handling		
Key Features	Session 5: THE AGGREGATION FRAMEWORK	
Session 2: INSTALLING MONGODB		
	Aggregating Results	
Downloading in the Required Software	Single Purpose Functions	
Installing MongoDB	The Aggregation Pipeline	
Configuration Files	Date Aggregation Operators	
Touring the File Structure		

Securing the Installation

Session 6: MANIPULATING DATA

- Inserting Data into Collections
- Updates
- Deletes
- Atomic Operations
- Removing Data
- Capped Collections

Further Information:

For More information, or to book your course, please call us on 0800/84.009 info@globalknowledge.be

www.globalknowledge.com/en-be/