MongoDB Essentials

Duración: 2 Días Código del Curso: MONGOE

Temario:

MongoDB Essentials Course Overview

English - Please note this course is only available in English.
Español - Por favor, tenga en cuenta que esta formación solo está disponible en inglés.
The MongoDB Essentials course is designed to give delegates experience of installing and using the MongoDB database. This hands-on course introduce

Dirigido a:

Who will the Course Benefit?

Objetivos:

- 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

Prerequisitos:

- An understanding of programming and database principles would be beneficial.

Contenido:

MongoDB Essentials Training Course Course Contents - DAY 1

Course Introduction

- Administration and Course Materials
- Course Structure and Agenda
- Delegate and Trainer Introductions

Session 1: NOSQL DATABASES

- What are NoSQL Databases?
- Common Database Features
- NoSQL Versus Relational Approach
- Types of NoSQL Databases
- Data Storage
- Transaction Handling
- Key Features

Session 2: INSTALLING MONGODB

- Downloading in the Required Software
- Installing MongoDB
- Configuration Files
- Touring the File Structure
- Securing the Installation

Session 3: DATA MODELLING AND DESIGN

- Data Storage
- Working with Datatypes
- Collections
- Document Datatypes
- Creating _id Fields

Session 4: QUERYING DATA

- Databases and Collections
- Querying Collections
- Working with Operators
- Referencing a Database
- Querying Dates MongoDB Essentials Training Course Course Contents - DAY 2

Session 5: THE AGGREGATION FRAMEWORK

- Aggregating Results
- Single Purpose Functions
- The Aggregation Pipeline
- Date Aggregation Operators

Session 6: MANIPULATING DATA

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

Session 7: USING AN API

- Introducing Drivers
- Java
- PHP
- Ruby
- Python

Session 8: HIGH PERFORMANCE OPTIONS

- Creating Indexes
- Manipulating Index Behaviour
- Index Properties
- Specialised Index Types
- Replication
- Sharding

Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

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