Tel +44 20 4571 2395
info@siliconbeachtraining.co.uk

The Mastering Neo4j Graph Database Certification training course is designed to provide essential knowledge and skills required to create the database applications using Neo4j. The course equips the delegates with the expertise of handling the highly connected data and core functionality of the Neo4j graph database. The course enables the delegates to effectively use Neo4j to solve some relevant business problems. The Neo4j can be applied to various domains which use highly connected data like social networking, healthcare, retail, telecom and finance. The delegates will learn how Neo4j helps in handling the Graph Data, how to use Core API for Application Development and how Neo4j performs against other databases.

The delegates will be introduced to the world of graph databases including the advantages of Graph Databases, Current Graph Processing Space and Graph Processing Engines. The course helps the delegates in gaining the expertise in developing applications with Neo4j. The course covers Neo4j Architecture and Developer community in detail. Various aspects of Data Modelling, Data Ingestion, Queries and Optimization will be taught during the course. Throughout the course, the delegates will learn about Graph Data, sources of Graph Data, Data Modeling in Neo4j, basic and advanced Cypher and Traversals in Neo4j.

With the introduction of Relational databases, the developers have become capable enough to handle and store large amounts of structured data in an efficient manner. But the more flexible database is required to handle more complex applications which are designed each day. Hence, the next generation of relational databases, Graph Database is designed to provide all benefits of relational databases but with more flexibility. Neo4J is a graph database that helps in making applications more dependable and scalable.

It is widely used due to its ability to handle a large amount of data with better performance and speed. Our highly qualified and experienced instructors will expose delegates to the basic fundamentals of Neo4J, its environment, Cypher Query language and how to create an application with nodes, relationships and properties. The training program will be conducted by industry experts who will help the delegates to execute complex database operations confidently and smoothly.

Prerequisites

The delegates must have knowledge of relational databases like MySQL before attending the Mastering Neo4j Graph Database Certification training course.

Course Objectives

- Get insights into different types of databases
- Explore the Cypher Query language
- Learn how to create an application with properties, nodes and relationships
- Understand the graph database and learn how it is different from relational databases
- Understand Data Modeling in Neo4j

- Understand Neo4J database and learn its installation, environment and working with its browser

Introduction to Neo4j

- NoSQL DBMS
- Comparison of DBMS
- Graph Database
- Properties of Neo4j
- Advantages of Neo4j
- Use Cases

Introduction to Building Blocks

Overview of Data Model

Installation

Cypher Query Language

- Creating Nodes
- Creating a Relationship
- Functions

CQL Clauses

- Read and Write Clauses
- General Clauses

CQL Admin

Neo4j Application

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