

## Cassandra

**Duration - 4 Days / 32 Hours**

### Program Description

This program provides a thorough introduction to NoSQL databases, with a specific focus on Apache Cassandra.

Participants will learn the fundamentals of Cassandra, including its architecture and core concepts, and will gain practical skills in using Cassandra Query Language (CQL) to perform CRUD operations.

Additionally, the course includes hands-on experience integrating Cassandra with Java and applies knowledge through a real-world case study.

### Learning Goals

- ❖ Understand the fundamentals and advantages of NoSQL databases.
- ❖ Gain in-depth knowledge of Cassandra's architecture, structure, and data management principles.
- ❖ Develop proficiency in using CQL and performing CRUD operations in Cassandra.
- ❖ Integrate Cassandra with Java to build and manage database applications.
- ❖ Apply acquired knowledge to a real-world scenario through a case study.

### Course Topics

- ❖ Introduction to NoSQL
- ❖ Introduction to Cassandra
- ❖ Understanding Cassandra
- ❖ Working with CQL (Cassandra Query Language)
- ❖ CRUD Operations
- ❖ Cassandra with Java
- ❖ Case Study

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**Modules can be customized to suit client's specific needs and duration accordingly**