

Cassandra – Fundamentals

Description

Ce cours vous permet de maîtriser la base de données distribuée NoSQL à haute disponibilité et d'apprendre la configuration, l'installation, l'architecture, la modélisation des données et l'intégration Hadoop de Cassandra.

Reference

CAS-FON

Course Content

- Module 1: Advantages and Usage of Cassandra
- Module 2: CAP Theorem and No SQL DataBase
- Module 3: Cassandra fundamentals, Data model, Installation and setup
- Module 4: Cassandra Configuration
- Module 5: Summarization, node tool commands, cluster, Indexes, Cassandra & MapReduce, Installing Ops-center
- Module 7: Multi Cluster setup
- Module 8: Thrift/Avro/Json/Hector Client
- Module 9: Datastax installation part, Secondary index
- Module 10: Advance Modelling
- Module 11: Deploying the IDE for Cassandra applications
- Module 12: Cassandra Administration
- Module 13: Cassandra API and Summarization and Thrift

Documentation

- Digital courseware included

Participant profiles

- Professionals looking for a career in NoSQL and Cassandra
- Project Managers , Research and Analytics professionals
- IT Developers and Testing professionals
- Graduates looking to upgrade their skills to NoSQL Databases

Prerequisites

- Basic familiarity with Linux will be helpful

Objectives

- Learn about Cassandra concepts and the architecture
- Difference between RDBMS and Cassandra
- Learn Key features of NoSQL database and CAP theorem
- Install, configure and monitor Cassandra
- Learn Cluster management, Indexing and Data Modeling in Cassandra
- Understand basics of Thrift, AVRO, JSON and Hector Client
- Learn to use Cassandra for handling large volumes of data

Niveau

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Classroom Registration Price (CHF)

3100

Virtual Classroom Registration Price (CHF)

2900

Duration (in Days)

4