

"Charting the Course ...

... to Your Success!"

Apache Ignite

Course Summary

Description

Apache Ignite is an open-source distributed database, caching and processing platform designed to store and compute on large volumes of data across a cluster of nodes.

This course offers an introduction to Apache Ignite. It is intended for data scientists and software engineers. It gives them practical level of experience, achieved through a combination of about 50% lecture, 50% lab work.

Topics

- Overview
- In-memory data grid
- Highly available service grid
- Streaming (event processing for IoT and fast data)
- In-memory computing use cases for high-performance
- Use cases
- High volume of ACID transactions in your system
- Database bottleneck in your application
- Developing and deploying microservices in a distributed fashion
- Improving the Hadoop ecosystem (OLAP) without making changes in your existing MapReduce jobs
- Sharing Spark RDD directly in-memory (without storing the state into the disk
- Processing continuous never-ending streams and complex events of data.
- Running distributed computations in parallel fashion to gain high performance

Audience

This course is designed for data scientists and developers.

Prerequisites

Before taking this course, students should have the following skills and experience:

- Familiarity with Big Data
- Be able to navigate Linux command line
- Basic knowledge of command line Linux editors (VI / nano)

Duration

Three days