# Hadoop, scala, spark Training



Apache Hadoop is a collection of open-source software utilities that facilitates using a network of many computers to solve problems involving massive amounts of data and computation.

Scala is a strong statically typed general-purpose programming language which supports both object-oriented programming and functional programming.

Apache Spark is an open-source unified analytics engine for large-scale data processing.

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- Hadoop Intro
- Features

# Hadoop Architecture

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- Daemon And Name node
- Job Tracker
- Load Balance
- Namenode
- Yarn

### MapReduce

- Mapper
- Reducer
- Mapper Only Functionality
- Reducer Req

# Spark

- Introduction & Advantages
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- Rdd, Caching And Persistence

## Spark Program

- Create Rdd And Aggregations
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- Merging And Cross Joints

#### Scala

- Introduction
- Map Collection
- Transformation Over Collections

Solution

- Perform Transformations
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