**Basic Spark**

Pre-requisite: Good knowledge in Java

Duration : 2 days

Introduction to Spark

* + What is Apache Spark
  + Understanding the Spark Environment
  + Benefits of Apache Spark
  + What are the component of Apache Spark
  + Installation of Apache Spark
  + Understanding the Architecture of Apache Spark
  + Working with the REPL mode in scala

Core Spark

* What is RDD
* Working with Spark in console and executing via spark submit
* Creating RDD
* What are Transformations
* What are Actions
* Pair RDD
* Pair RDD transformations and Actions
* Writing Word Count Example
* Advanced transformations

Spark Sql

* Implementation of concepts of DataFrame
* What is Spark SQL
* Creating Table, Loading Data, Querying via DF and Spark SQL fashion
* Working with CSV files
* Working with JSON files
* Working with AVRO files
* Working with Parquet Files
* JDBC Data Frames
* Register Temp Table
* Creating a DF from a RDD