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The Comprehensive Pig certification training is designed for everyone who wants to enhance their knowledge in Hadoop and want to know about the latest concepts and terminologies of Pig. Pig is a popular tool that help the delegates or professionals to efficiently control and manage their Big Data as it can be effectively implemented in Hadoop. The Comprehensive Pig training provides information to the delegates related to the performing the data analytics by using Pig.

Throughout the Comprehensive Pig training, the delegates get to know the several latest concepts of Pig and also learn how to write complex MapReduce transformations by using a Pig Latin language. The delegates also understand how to work on the Hadoop framework without using Java. The delegates will also get familiar with the latest features and benefits of Pig as well as learn about how to write own functions to do special-purpose processing.

The Comprehensive Pig training also provides knowledge about the advanced concepts including File Loaders, Relational Operators, Union, Group & Co-group operator and the Pig UDF. The delegates also learn about the Hadoop architecture and its ecosystem. With the help of Comprehensive Pig training, the delegates will be able to analyse the large data sets by using the Pig Latin script. At the end of the Comprehensive Pig training the delegates will be able to work on a Real life project in Pig Latin and gain hands-on Project Experience.

Prerequisites

There are no prerequisites for attending the Comprehensive Pig Certification training.

Course Objectives

After the completion of the Comprehensive Pig Certification training at Silicon Beach, the delegates will be able to:

- Understand the benefits and features of Pig
- Learn how to write own functions for doing special-purpose processing
- Get to know how to Perform Data Analytics using Pig
- Understand how to perform easy programming of sophisticated tasks involving interrelated data transformations
- Learn how to work on a Real life project in Pig Latin and gain hands-on Project Experience
- Understand advanced Pig concepts such as File Loaders, Relational Operators, Group & Co-group operator, Union and the Pig UDF

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- Hadoop Components
- Hadoop Architecture

Working with HDFS and MapReduce

- Storing Data in HDFS
- Parallel Processing with MapReduce
- Automating Data Transfer

Executing Data Flows with Pig

- Overview of Apache Pig
- Structure Unstructured Data

Performing ETL with Pig

- Transform Data with Relational Operators
- Filter Data with Pig

Manipulating Data with Hive

- Leveraging Business Advantages of Hive
- Organise Data in Hive Data Warehouse
- Design Data Layout

Extract Business value with HiveQL

- Perform Joins on Unstructured Data
- Pushing HiveQL to the Limit
- Deploy Hive in Production
- Streamline Storage Management with HCatalog

Interacting with Hadoop Data in Real-Time

- Low-Latency Queries with Impala
- Leverage Tez Execution Engine to Improve Performance
- Reduce Data Access Time with Spark SQL

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