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EDUCBA

Apache Pig Traininig

Course Overview

In this Course you get to learn:

You will get to learn about the concepts and application of Fundamentals and advanced Apache Pig and how to work on huge data sets with ease.

The Apache Pig course involves the basic review of the fundamentals of PIG language and Hadoop framework and apart from that more focus will be on the usage of PIG Latin scripts.

Apache Pig Training Course Skills

We learn the following skills:

In this Apache Pig training, you will learn about how to make use of Big data tools and technology.

How easy and convenient it will be once you know how to deal with data sets and various big data tools which could be used to make your life and businesses a lot more better and be beneficial to provide them the right set of information and not just raw data.

You will also learn about Piglatin language and the scripts related to it.

Course Features

Course Duration- 17+ Hours

6 Number of Courses

Verifiable Certificates

Lifetime Access

Technical Excellence

About Apache Pig

Apache Pig is the abstract technology over Map Reduce which in itself is a tool or a platform used for analyzing heavy data sets and envisioning them as data flows. This tool makes use of PigLatin language which is used along with Hadoop for data manipulation and their operations.

Pig latin is a high-level language which provides numerous operators using which programmers can develop their own functions for reading, writing as well as processing the data.

Apache Pig Course

This is a Bundle Course that includes complete in-depth Apache Training Course Intelligence Courses combined into one Complete Course.

This Bundle perfectly meets the requisite of the industry and gives you a better chance of being hired as a Apache Pig Training Course professional.

1 PIG Fundamentals

Section 1. Introduction

- Introduction to Pig
- Features of Apache Pig
- Pig Vs Hive
- Apache Pig Local and MR Modes
- Launching Local Modes
- Data Types in Pig

Section 2 .Pig Commands

- Pig Commands - Store and Load
- Load Command
- Pig Commands - Group

Section 3. Operator

- CoGroup Operator
- Join and Cross operators in Pig
- Join and Cross operators in Pig Continues
- Union and Split Operators in Pig
- More on Split Operators
- Filter Distinct and For each

Section4. Pig Functions

- Pig Functions
- Pig Functions Continues
- Input Data Size

2 PIG Advanced

Section 1. Introduction

Getting Started with PIG

Section 2. Understanding Installation

- Installation Process
- PIG Latin

Section 3 . Practical Examples

- Uploading the File in HDFS
- PIG Script
- PIG Latin Basics
- Up and Running with Pig
- Loading and Storage
- Loading and Storage Continue
- Debugging
- Grunt Shell
- UDFs and Piggy Bank

3 Hadoop Project: Analyze Loan Dataset

Section 1. Introduction

Introduction to Analyze the Loan DataSet

Section 2. Average Risk

- Overall Average Risk
- Coding Average Risk
- More on Average Risk
- Average Risk Per Location
- Average Risk per Loan Type

Section 3. Implementation and Execution in Hadoop

- Calculate Average Risk Per Category
- Comparable Interface in MapReduce
- Implementation and Execution MapReduce
- Average Risk Per Category in PIG
- Average Risk Per Category in Hive
- Analysis Bank Loan Dataset in HIVE
- Understand of Sqoop and Get RDBMS Data in HDF

4 Hadoop Project: Social Media Analysis

Section 1. Introduction

Introduction to Social Media Industry

Section 2. Book Marking Website

Book Marking Website

Section 3. Understanding Sqoop

- Understanding Sqoop
- Get Data from RDMS to HDFS
- Execute Map Reduce Program in order to Process XML File

Section 4. Analyze Book Performance and Book Reader

- Analyze Book Performance By Reviews Using Code
- Analyse Book By Location
- Example of Analyse Book By Location
- Analyse Book Reader Against Author

Section 5. How to Process XML File in PIG

- How to process XML File in PIG
- How to process XML File in PIG Continues

4 Hadoop Project: Social Media Analysis

Section 6. Book Performance

- Analyze Book Performance in XML File in PIG
- More on Analyze Book Performance in XML File in PIG

Section 7. Pig XML File Output Using Book

- Pig XML File Output Using Book
- Pig XML File Output Using Location

Section 8. Book Marking DataSet

- Understanding Complex Data Set Using Hive
- Create Array in Map Reduce Using Hive
- Book Marking Type Data Set Using Complex Type
- Output of Book Marking Type Data Set

5 Hadoop Project: Sensor Data Analysis

Section 1. Introduction

- Introduction to Sensor Data Analysis
- Example of Sensor Data Analysis

Section 2. Understanding of Big Data and MapReduce

- Uderstanding Basic of Big Data and MapReduce

Section 3. Convert Json Format File

- Converting Json File into Simple Text Format
- Converting Json File into Simple Text Format Continues
- Output for Json File format

Section 4. Sensor Data

- Diffrence Between Pig, MapReduce and Hive
- More on Pig, MapReduce and Hive
- Sensor Data Processing in Pig

Section 5. Function

- Working With Pig Function
- Types of Function in Pig
- Example of Pig Function

Section 6. Use-cases in PIG

- Working on Use Cases Using Functions in PIG
- Use Case Data Flow in Pig
- Ratio Data Flow in Pig
- More on Use Case in Pig
- Example of Ratio Education in Pig

5 Hadoop Project: Sensor Data Analysis

Section 7. Approach   Process the Json File in Hive

- Approach   Process the Json File in HiveFeatures   and Query in Hive

Section 8. Hive-Work   on the json use Cases

- Work on   Json Use Cases Using Hive
- Work on   Json Use Cases Using Hive Continues
- Output   of Json Usecases Using Hive
- More on   Json Usecses in Hive

Section 9. Conclusion

Summary   of Sensor Data Processing

6 Hadoop Project: Youtube Data Analysis

Section1. Introduction

Introduction to Youtube Data Analysis Using Hadoop

Section 2.Data Preparation

- Data Preparation For Youtube Data Analysis using Hadoop
- Basics of Big Data and Map Reduce
- Working with Analysis Senario using Map Reduce
- Example of Youtube Analyser using Map Reduce
- Output Youtube Analyse in Map Reduces
- High Rated Youtube Video Analyser in Map Reduces and other

Section3. PIG

- Basics of PIG
- Basics of PIG Continues
- Analyze Youtube Data using PIG Implementation
- Example of PIG Implementation
- Output of PIG Implementation

Section4 . Video Analyzer and Video Query

- Youtube Video Analyzer using Hive
- Creating Youtube Video Analyzer using Hive
- Analysis Youtube Videos using Hive Query
- Analysis Youtube Videos using Hive Query Continues
- More on Hive Query Languages

Section5. Conclusion

Conclusion

Frequently Asked Questions

From what all locations can this Apache Pig training be accessible?

Once you are registered with EduCBA you will be provided with the knowledge bundle for the online training materials which can be accessed by making use of login credentials. So, you can access these courses on the go from anywhere and everywhere.

Who all will be the instructors for this Apache Pig training?

The instructors who have created the course and will take the course are industry professionals who have a wide array of experience working in the industry and have tons of years of online training experience. All the courses therefore provided are based on industry standards and very particular in providing the right set of knowledge so as to not waste precious time and only be relevant to what is being asked in Job interviews .

Customer Reviews

" Very informative and easy to follow. One of the fundamentals of this style of learning is that the course is broken down into sizeable, manageable chunks, making the learning process easy to digest. The visual learning, ie the tutor taking us through, step by step, whilst we can follow their screen is very useful.

Nick Hawthorne

" Excellent, even though at the beginning it is not the easiest accent to understand, once one get familiarized everything is smooth. This course inspired me to study more about programming and languages. I am just beginning so I think I will come back to it again anytime I need help analyzing YouTube videos.

Mónica Rodríguez Espitia

" Apache PIG is very simple, so this presentation is not at difficult. It explains PIG very extensively, giving lots of details. It shows some instructions, how to write new functions, the comparison between PIG, SQL and Hive. It is quite interesting and it seems that it can benefit of making some exercises meanwhile.

Francisco Lopez Gil

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Apache Pig Training

For Queries please contact:

Email : info@educba.com