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MapReduce Course

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Course Overview

You get to learn and apply concepts of MapReduce with live projects.

MapReduce Training includes a conceptual and practical understanding of secondary sorting, Joins in Hadoop and combiners.

We will be focusing on the Map Reduce part of Hadoop which is mainly concerned with working on data sets.

MapReduce Training Skills

- You will learn how to work with mass data, unstructured data actually.
- In addition to data processing, you will also learn to develop a program in HIVE, PIG, MapReduce, and Sqoop.
- You will see and learn how the sub-modules of Hadoop like PIG or HIVE could be used to reduce the complexity of the program.

Course Features



Course Duration- 17 + Hours



Number of Courses



Verifiable Certificates



Lifetime Access



Technical Excellence

About MapReduce

MapReduce can be defined as the sub-module of Hadoop that offer huge scalability of data spread across numerous of commodity clusters.

MapReduce comprises of two things that work consecutively in order to process the analytics. The process in both the different parts is done in a parallel manner helping save a lot of time while working with significant data.

MapReduce Course

This is a Bundle Course that includes complete in-depth MapReduce Learning 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 Mapreduce professional.

1

MapReduce Fundamentals

Section 1. Secondary Sorting

- Secondary Sort Hadoop
- Creating Composite Key
- Word Count Group
- Importance of Partition
- Hadoop FS - LS

Section 2. Joins in Hadoop

- Joins in Hadoop
- Creating Configuration Object
- Setup Method
- Map Side Join Mapper
- Hadoop Commands

Section 3. Working with Combiners in Hadoop

- Combiner in Hadoop
- Uploading Combiner Jar

Section 4. Data Analysis in Hadoop

- Introduction to Real World
- Ratings Mapper

Section 5. Ratings

- Movie and Ratings Runner
- Movie and Rating Calc Jar
- Total Ratings By A User
- User Rating Reducer
- User Rating Class
- Yarn Basic Tutorial
- Node Manager

2 **MapReduce Advanced**

Section 1. Running a MapReduce Program

- Running a MapReduce Program

Section 2. Advanced MapReduce

- HDFS File System
- Combination of Word Count Functionality
- Word Count With Tools
- Log Processor

Section 3. Advanced MapReduce and PIG

- Advanced MapReduce and PIG
- Executing Similar Program

Section 4. HIVE and Indexing

- HDI Data and Export Data
- Creating New Java Class
- Text Out Inverted Indexer

Section 5. Hadoop Big Data Introduction

- Introduction to MapReduce
- Java Build Path
- Local MapReduce

Section 5. Hadoop Big Data Analytics

- Sequence file Format
- Parse Weblogs
- Page View Mapper
- Analytics Program
- Inverted Index Map Reduce
- Friend Sofa Friend
- Cloud era Local Host
- Cloud era Local Host Output
- Final Module MapReduce Program
- Strands
- File Path Filter
- Example

3

Hadoop Project:

Customers Complaints Analysis using HIVE/MapReduce

Section 1. Introduction

- Introduction to Customer Complaint Project in Big Data

Section 2. Getting Started

- Complaint Filed Under Each File
- Creating Driver Files and Jar Manifest

4

Hadoop Project:

Youtube Data Analysis using PIG/MapReduce

Section 1. 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 Scenario using Map Reduce
- Example of Youtube Analyser using Map Reduce
- Output Youtube Analyse in Map Reduces
- High Rated Youtube Video Analyser in Map Reduces
- Implementation and Output in Map Reduces

Section 3. PIG

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

Section 4. Video Analyzer and Video Query

- Youtube Video Analyzer using Hive
- Creating Youtube Video Analyzer using Hive
- Analysis Youtube Videos using Hive Query

5

Hadoop Project:

Social Media Analysis using HIVE/PIG/MapReduce/Sqoop

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
- Analyze Book Performance By
- 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

Section 6. Book Performance

- 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

6

Hadoop Project:

Analyze Loan Dataset using PIG/MapReduce

Section 1. Introduction


- Introduction to Analyze the Loan Data Set

Section 2. Average Risk

- Overall Average Risk
- Coding 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 and Location in PIG
- Average Risk Per Category and Location in PIG Continues
- Average Risk Per Category in Hive
- Analysis Bank Loan Dataset in HIVE
- Understand of Sqoop and Get RDBMS Data in HDFS



Frequently Asked Questions

Why should we learn MapReduce?

In the modern era where data is the most important thing for any business or organization, learning MapReduce will give you an edge in the domain of data science. It is the latest technology that makes data processed in a parallel manner and hence makes the analysis time saving and efficient as well.

Is it tough for someone to learn MapReduce who has working experience in other technology?

In very simple work, No. it is not tough for anyone to learn MapReduce who has some working experience even if it's in any other technology. The reason is, in data science, one has to know coding, analytics, communication and such stuff which are very common in all working professionals.



Customer Reviews

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All clear! In short you can understand which tool to use for which job. For example, if you are comfortable with Java you would easily get along with MapReducer which delegates the task, performs them and understands unstructured and structured data, run on most of languages, more high level is Pig and runs on its own Pig Latin language. For Data Analysis without Data Processing you can take Hive on board, also it's much like SQL.

Julie Pasichnyk

”

Great overview of Hadoop Big Data and Apache Training and also the videos were really of great help. The tutor has provided examples so that the students should understand the concepts clearly. Thank you so much!

Dophin Fernandez

“

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



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For Queries please contact:

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