Course Chapters

▪ Introduction

- ▪ The Motivation for Hadoop
- ▪ Hadoop Basic Concepts and HDFS
- ▪ Introduction to MapReduce
- ▪ Hadoop Clusters and the Hadoop Ecosystem

- ▪ Writing a MapReduce Program in Java
- ▪ Writing a MapReduce Program Using Streaming
- ▪ Unit Testing MapReduce Programs

- ▪ Delving Deeper into the Hadoop API
- ▪ Practical Development Tips and Techniques
- ▪ Reducers and Partitioners
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- ▪ Common MapReduce Algorithms
- ▪ Joining Data Sets in MapReduce Jobs

- ▪ Integrating Hadoop into the Enterprise Workflow
- ▪ An Introduction to Hive, Impala, and Pig
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Course Introduction

Introduction to Apache Hadoop and its Ecosystem

Writing Basic MapReduce Programs

Programming with the Hadoop Core API

Problem Solving with MapReduce

The Hadoop Ecosystem

Course Conclusion and Appendices

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Ask Bigger Questions