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
- Data Input and Output

- Common MapReduce Algorithms
- Joining Data Sets in MapReduce Jobs

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

- Conclusion
- Appendix: Cloudera Enterprise

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

05-2

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Ask Bigger Questions