

(Big) Data Engineering In Depth

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Data Solution Architect



Outline

- 1. Hadoop and Map-Reduce
 - 1.1 Hadoop Architecture
 - 1.2 Map-Reduce
 - 1.3 Pig
 - 1.4 Hive
 - 1.5 ZooKeeper
 - 1.6 Further Readings and Assignment

Chapter: Hadoop and Map-Reduce

Introduction to Hadoop and its echo-systems.

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- Why we need Hadoop?

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Understand the concept of HDFS and Map-Reduce.

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- Using HiveQL over Map-Reduce.

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- Why we need Hadoop?
- Understand the concept of HDFS and Map-Reduce.
- Developing Map-Reduce applications.
- Using HiveQL over Map-Reduce.
- Hadoop advantages and disadvantages with use cases?

Section: Hadoop Architecture

Hadoop Architecture

- Any Big Data solution working based distributed systems.
- What is distributed systems in brief?

Sub-Section: Storage

Storage

- Any Big Data solution working based distributed systems.
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Sub-Section: YARN

YARN

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Sub-Section: Hadoop I/O

Hadoop I/O

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Sub-Section: Processing

Processing

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Section: Map-Reduce

Map-Reduce

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Sub-Section: Map-Reduce Components

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Sub-Section: Word-Count Example

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Section: Pig

Pig

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Section: Hive

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Section: ZooKeeper

ZooKeeper

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Section: Further Readings and Assignment

Thank you for watching!

See you in the next video \odot