



HCIA-Big Data V2.0 Exam Outline

Exam Overview

Certification	Exam Code	Exam Name	Language	Duration	Pass Score/Total Score
HCIA-Big Data	H13-711	HCIA-Big Data V2.0	CHS/ENU	90 min	600/1000

Exam Outline

The HCIA-Big Data V2.0 exam covers: (1) Big data industry development trend and big data characteristics; (2) Architecture, functions, and success cases of Huawei FusionInsight HD solution; (3) Basic technical principles of common and essential big data components (including HDFS, HBase, Hive, Loader, MapReduce, Yarn, Spark, Flume, Kafka, ZooKeeper, and Streaming).

Key Points	Percentage
1. Big Data Industry and Technological Trends	5%
2. HDFS – Distributed File System Technology	5%
3. MapReduce–Distributed Offline Batch Processing and Yarn–Resource Coordination	10%
4. Spark2x – In-memory Distributed Computing Engine	10%
5. HBase – Distributed NoSQL Database	10%
6. Hive – Distributed Data Warehouse	10%
7. Streaming – Distributed Stream Computing Engine	5%
8. Flink – Stream Processing and Batch Processing Platform	10%
9. Loader – Data Conversion	5%
10. Flume–Massive Log Aggregation	5%
11. Kafka – Distributed Message Subscription System	10%
12. ZooKeeper – Distributed Coordination Service	5%
13. FusionInsight HD Solution Overview	10%

1. Big Data Industry and Technological Trends

1.1 Big Data Era

1.2 Big Data Application Scenarios

1.3 Opportunities and Challenges of the Big Data Era

1.4 Huawei FusionInsight HD Solution

2. HDFS – Distributed File System Technology

2.1 HDFS Overview and Application Scenarios

2.2 Position of HDFS in FusionInsight

2.3 System Architecture of HDFS

2.4 Key Features

3. MapReduce–Distributed Offline Batch Processing and Yarn–Resource Coordination

3.1 Introduction to MapReduce and Yarn

3.2 Functions and Architectures of MapReduce and Yarn

3.3 Resource Management and Task Scheduling of Yarn

3.4 Enhanced Features

4. Spark2x – In-memory Distributed Computing Engine

4.1 Introduction to Spark

4.2 Principles and Architecture of Spark

4.3 Spark in FusionInsight HD

5. HBase – Distributed NoSQL Database

5.1 Introduction to HBase

5.2 Functions and Architecture of HBase

5.3 Key Processes of HBase

5.4 Huawei Enhanced Features of HBase

6. Hive – Distributed Data Warehouse

6.1 Introduction to Hive

6.2 Functions and Architecture of Hive

6.3 Basic Hive Operations

7. Streaming – Distributed Stream Computing Engine

7.1 Introduction to Streaming

7.2 System Architecture

7.3 Key Features

7.4 Introduction to StreamCQL

8. Flink – Stream Processing and Batch Processing Platform

8.1 Introduction to Flink

8.2 Technical Principles and Architecture

8.3 Spark in FusionInsight HD

9. Loader – Data Conversion

9.1 Introduction to Loader

9.2 Loader Job Management

10. Flume–Massive Log Aggregation

10.1 Overview and Architecture of Flume

10.2 Key Features of Flume

10.3 Flume Applications

11. Kafka – Distributed Message Subscription System

11.1 Introduction to Kafka

11.2 Architecture and Functions of Kafka

11.3 Key Process of Kafka

12. ZooKeeper – Distributed Coordination Service

12.1 Introduction to ZooKeeper

12.2 Position of ZooKeeper in FusionInsight HD

12.3 System Architecture

12.4 Key Features

12.5 Relationships with Other Components

13. FusionInsight HD Solution Overview

13.1 Introduction to the FusionInsight HD Enterprise Edition

13.2 FusionInsight HD Features



13.3 FusionInsight HD Success Cases

Note:

The content mentioned in this article is a general exam guide only. The exam may also contain more specific or related content that is not mentioned above.

Reference

Huawei Certified HCIA-Big Data V2.0 Training Courses

Huawei FusionInsight HD Product Documentation

Recommended Training

HCIA-Big Data V2.0 Training