

# BIG DATA HADOOP DEVELOPER CERTIFICATION

As per International Standards



## UNICHROME

# Unichrone Training **Advantages**

- ✓ 3 Day Interactive Instructor –led Online Classroom or Group Training
- ✓ Course study materials designed by subject matter experts
- ✓ Get 30 CPE certificate
- ✓ Highly qualified, expert & accredited trainers with vast experience
- ✓ Enrich with Industry best practices and Real-Life Examples
- ✓ Mock Tests to prepare in the best way
- ✓ End-to-end support via phone, mail, and chat
- ✓ Convenient Weekday/Weekend Big Data Hadoop Developer schedule



# Importance of Big Data Hadoop Developer Training

- ✓ Big Data analytics is required by every business organization to derive meaningful insights into consumer behaviors and current market trends. Apache's Hadoop is the prime Big Data processing framework used by many organizations in the world. Having knowledge and skills in using the Hadoop ecosystem through Big Data Hadoop Developer Training will help individuals get noticed and hired by major business organizations.

# About Unichrone



We are a professional training institute with an extensive portfolio of professional certification courses. Our training programs are meant for those who want to expand their horizons by acquiring professional certifications across the spectrum. We train small- and medium-sized organizations all around the world, including in USA, Canada, Australia, UK, Ireland and Germany.



Guaranteed Quality



Handpicked Trainers



Global Presence



Online Training Option

**We've trained professionals across  
global companies**

**PHILIPS**

**AXCESS**  
FINANCIAL PRODUCT MANAGEMENT

**CLARIANT**

**AkerSolutions**

**WÜRTH**

**baycoat**

**DUPONT**

**DASHTI**

**GlobalSign**

**Triskele Labs**

مصرف الراجحي  
**Al Rajhi Bank**

**DHL**

**ARASCO**  **أراسكو**

## WHO SHOULD ATTEND



Big Data Hadoop Developer Training sessions can be pursued by following individuals.

- IT Professionals
- System Engineers
- Software Developers
- Testing Professionals

## ELIGIBILITY CRITERIA



There are no specific eligibility criteria for registering for the Big Data and Hadoop Developer Certification Training. Any individual interested in learning about Big Data analytics and Hadoop can register for this course.



# Big Data Hadoop Developer Certification **Advantages**



CERTIFIES  
YOUR TALENT



HELPS  
BUILDING  
VALUES



GLOBAL  
RECOGNITION



PERFECT  
EXECUTION



BUILDS  
CUSTOMER  
LOYALTY



MORE  
EMPLOYABILITY  
OPTIONS

# Syllabus of Big Data Hadoop Developer Training

## Lesson 01 – Introduction to Big Data and Hadoop

1.	Introduction to Big Data
2.	Types of Data
3.	Comparison with RDBMS
4.	Hadoop Features
5.	Hadoop Ecosystem
6.	Hadoop Core Components

## Lesson 02 – Hadoop Distributed File System

1.	Hadoop Distributed File System
2.	HDFS Files and Blocks
3.	HDFS Components and Architecture
4.	HDFS File Read-Write
5.	HDFS Commands

# Syllabus of Big Data Hadoop Developer Training

## Lesson 03- MapReduce

1.	MapeRduce
2.	Map-Reduce Operation
3.	Map-reduce Example
4.	HDFS Input Splits
5.	MapReduce Architecture
6.	Combiners and Partitioners
7.	MapReduce Data Flow
8.	MapReduce Examples

## Lesson 04 – Advanced Mapreduce

1.	Chaining of Jobs
2.	Distributed Cache
3.	Counters
4.	JUnit Testing
5.	Schedulers
6.	Data Compression in Hadoop
7.	Different Input and Output Formats in MapReduce
8.	Chain Mapping
9.	Compression in Gzip
10.	Distributed cache
11.	Counters
12.	MRUnit Test
13.	Multiple inputs
14.	ReadSequence File



# Syllabus of Big Data Hadoop Developer Training

## Lesson 05 – Hadoop Configurations and Daemon Logs

1.	Hadoop Configurations and Daemon Logs
2.	Hadoop Daemons or Roles

## Lesson 06– Hadoop Cluster Maintenance and Administration

1.	Introduction
2.	Demo - Commissioning Decommissioning of Datanodes in Cloudera Cluster
3.	Demo - Decommissioning and commissioning nodes in Apache Hadoop Cluster
4.	Balancing a Cluster
5.	Managing Services
6.	Managing Software Packages with Apache Hadoop
7.	Managing Role Instances
8.	Improvements in Hadoop Version 2

# Syllabus of Big Data Hadoop Developer Training

## Lesson 07 – Hadoop Computational Frameworks

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|----|-----------------------|
| 1. | Computation Framework |
| 2. | MapReduce             |
| 3. | YARN                  |

## Lesson 08 – Scheduling: Managing Resources

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|----|---------------------------------|
| 1. | Scheduling - Managing Resources |
| 2. | Capacity Scheduler              |

# Syllabus of Big Data Hadoop Developer Training

## Lesson 09 – Hadoop Cluster Planning

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|----|-------------------------|
| 1. | Hadoop Cluster Planning |
| 2. | Cluster Setup Options   |

## Lesson 10– Hadoop Clients and Hue Interface

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| 1. | Hadoop Clients and Hue Interface         |
| 2. | Overview of Hadoop User Experience (Hue) |
| 3. | Hue Application Interfaces               |
| 4. | Demo Working with Hue                    |

# Syllabus of Big Data Hadoop Developer Training

## Lesson 11 – Data Ingestion in Hadoop Cluster

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|----|---|
| 1. | Data Ingestion in Hadoop Cluster            |
| 2. | Structured Data Ingestion with Apache Sqoop |
| 3. | Demo Using Sqoop to Import Data into HDFS   |

## Lesson 12 – Hadoop Ecosystem Components Services

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|----|--|
| 1. | Hadoop Ecosystem Components – Services                           |
| 2. | Demo Setting up Hive in Different Modes in Apache Hadoop Cluster |
| 3. | H-Base   |
| 4. | Apache Kafka   |

# Syllabus of Big Data Hadoop Developer Training

## Lesson 13 – Hadoop Security

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|----|---|
| 1. | Introduction  |
| 2. | Implementation  |
| 3. | Service Level Authorization                                 |
| 4. | Demo Using Quotas to Control Amount of Data Written in HDFS |

## Lesson 14– Hadoop Cluster Monitoring

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|----|-----------------------------------|
| 1. | Hadoop Cluster Monitoring         |
| 2. | Hadoop Cluster Monitoring Metrics |

## Format of Big Data Hadoop Developer Exam

Examination Format	
Exam Name	Big Data Hadoop Administration Certification
Exam Format	Multiple Choice-Online
Total Questions & Duration	50 Questions, 120 minutes
Passing Score	70%.
Exam Cost	Included in the Training fee

To get you fully prepared with the knowledge and skills for the Big Data Hadoop Developer Certification examination, a training session at Unichrone gives immense importance to mock questions at the end of every module and problem-solving exercises within the session. Prepared by Big Data Hadoop Developer faculty, the practice tests are a true simulation of the Big Data Hadoop Developer Certification examination



# Contact Us

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<https://unichrone.com/>

