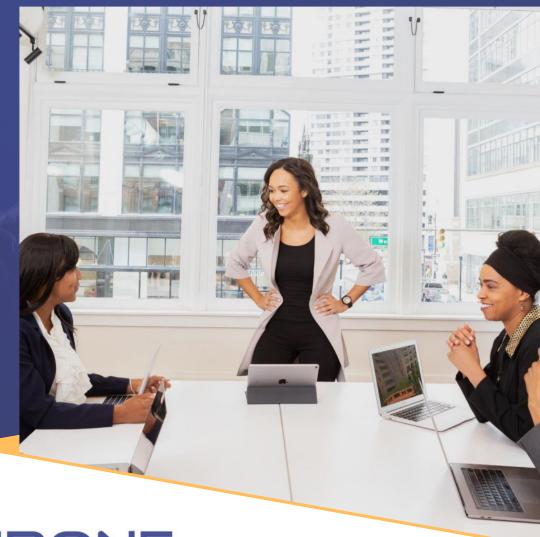# BIG DATA HADOOP ADMINISTRATOR CERTIFICATION

As per International Standards

UNICHRONE

Unichrone Training **Advantages**

✔ 3 Day Interactive Instructor –led Online Classroom or Group Training

✔ Course study materials designed by subject matter experts

✔ Get 25 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 Administrator schedule

Importance of Big Data Hadoop Administrator Certification

✓ Big Data Analytics is an essential component of all business activities. Knowledge and training in using Hadoop for processing Big Data will help organizations in carrying out their business processes efficiently. Big Data Hadoop Administrators are skilled in managing and monitoring the Hadoop ecosystem. Certified Hadoop Administrators have good career growth and earn better than their non-certified counterparts.

About Unichrone

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
FINACIAL PRODUCT MANAGEMENT

CLARIANT

AkerSolutions

WÜRTH

baycoat

DUPONT

DASHTI

GlobalSign

Triskele Labs

مصرف الراجحي
Al Rajhi Bank

DHL

ARASCO أراسكو

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WHO SHOULD ATTEND

✓ Professionals who can take up Big Data Hadoop Administrator Training Courses include:
- System Administrators
- IT Professionals
- Network Engineers
- Big Data Analytics Admins
- Cloud Administrators

ELIGIBILITY CRITERIA

✓ There are no eligibility criteria for enrolling in the Big Data Hadoop Administrator Certification Training Course. Any individual interested in learning about Big Data and Hadoop can register for this course.

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Big Data Hadoop Administrator Certification
Advantages

CERTIFIES YOUR TALENT

HELPS BUILDING VALUES

GLOBAL RECOGNITION

PERFECT EXECUTION

BUILDS CUSTOMER LOYALTY

MORE EMPLOYABILITY OPTIONS

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Syllabus of Big Data Hadoop Administrator Certification Training

Lesson 01 – Introduction	
1.	Course Introduction
2.	Key Takeaways

Lesson 02 – Big Data and Hadoop - Introduction	
1.	Big Data and Hadoop - Introduction

Syllabus of Big Data Hadoop Administrator Certification Training

Lesson 03 – HDFS Hadoop Distributed File System	
1.	Introduction to HDFS
2.	Internal Architecture and HDFS Workflow

Lesson 04 – Hadoop Cluster Setup and Working	
1.	Hadoop Cluster Setup and Working
2.	Demo Getting Virtualization software and Linux disc
3.	Demo Adding Machines to your VMBox
4.	Demo Installing Linux into Machines
5.	Demo Preparing your linux machines to Install Hadoop
6.	Demo Preparing your linux machine
7.	Demo Preparing your linux machines
8.	Cluster Management Solution
9.	Demo Setting Apache Hadoop Cluster
10.	Demo Writing data to cluster and checking replication status
11.	Demo Setting up Linux machines in AWS EC2 to setup Cloudera Cluster
12.	Demo Setting Cloudera Cluster on your machines in AWS EC2

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Syllabus of Big Data Hadoop Administrator Certification 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

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Syllabus of Big Data Hadoop Administrator Certification Training

Lesson 07 – Hadoop Computational Frameworks
1.	Computation Framework
2.	MapReduce
3.	YARN

Lesson 08 – Scheduling: Managing Resources
1.	Scheduling - Managing Resources
2.	Capacity Scheduler

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Syllabus of Big Data Hadoop Administrator Certification Training

Lesson 09 – Hadoop Cluster Planning	
1.	Hadoop Cluster Planning
2.	Cluster Setup Options

Lesson 10– Hadoop Clients and Hue Interface	
1.	Hadoop Clients and Hue Interface
2.	Overview of Hadoop User Experience (Hue)
3.	Hue Application Interfaces
4.	Demo Working with Hue

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Syllabus of Big Data Hadoop Administrator Certification Training

Lesson 11 – Data Ingestion in Hadoop Cluster	
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	
1.	Hadoop Ecosystem Components - Services
2.	Demo Setting up Hive in Different Modes in Apache Hadoop Cluster
3.	H-Base
4.	Apache Kafka

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Syllabus of Big Data Hadoop Administrator Certification Training

Lesson 13 – Hadoop Security
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
1. Hadoop Cluster Monitoring
2. Hadoop Cluster Monitoring Metrics

Format of Big Data Hadoop Administrator Certification 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 Administrator 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 Administrator faculty, the practice tests are a true simulation of the Big Data Hadoop Administrator Certification examination

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Contact Us

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