



Big Data Hadoop Administrator Training

About Cognixia

Cognixia- A Digital Workforce Solutions Company is dedicated to delivering exceptional trainings and certifications in digital technologies. Founded in 2014, we provide interactive, customized training courses to individuals and organizations alike, and have served more than 100,000 professionals across 37 countries worldwide.

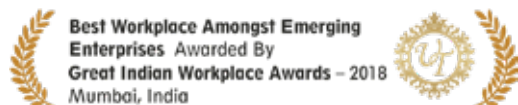
Our team of more than 4,500 industry experts facilitate more than 400 comprehensive digital technologies courses, along with state-of-the-art infrastructure, to deliver the best learning experience for everyone. Our comprehensive series of instructor-led online trainings, classroom trainings and on-demand self-paced online trainings cover a wide array of specialty areas, including all of the following:

- IoT
- Big Data
- Cloud Computing
- Cyber Security
- Machine Learning
- AI & Deep Learning
- Blockchain Technologies
- DevOps

Cognixia is ranked amongst the top five emerging technologies training companies by various prestigious bodies. We're also an MAPR Advantage Partner, Hortonworks Community Partner, RedHat Enterprise Partner, Microsoft Silver Learning Partner and an authorized training partner for Dell EMC, Pivotal, VMware and RSA technologies.



OUR AWARDS & AFFILIATIONS



SOME FORMIDABLE NAMES AS OUR TRAINING PARTNERS



Red Hat



Silver
**Microsoft
Partner**



WHO SHOULD STUDY BIG DATA?

Big Data career opportunities are on the rise, and Hadoop is quickly becoming a must-know technology:

- Systems administrators and IT managers
- IT administrators and operators
- IT Systems Engineer
- Data Engineer and database administrators
- Data Analytics Administrator
- Cloud Systems Administrator
- Web Engineer

ELIGIBILITY / PRE-REQUISITES

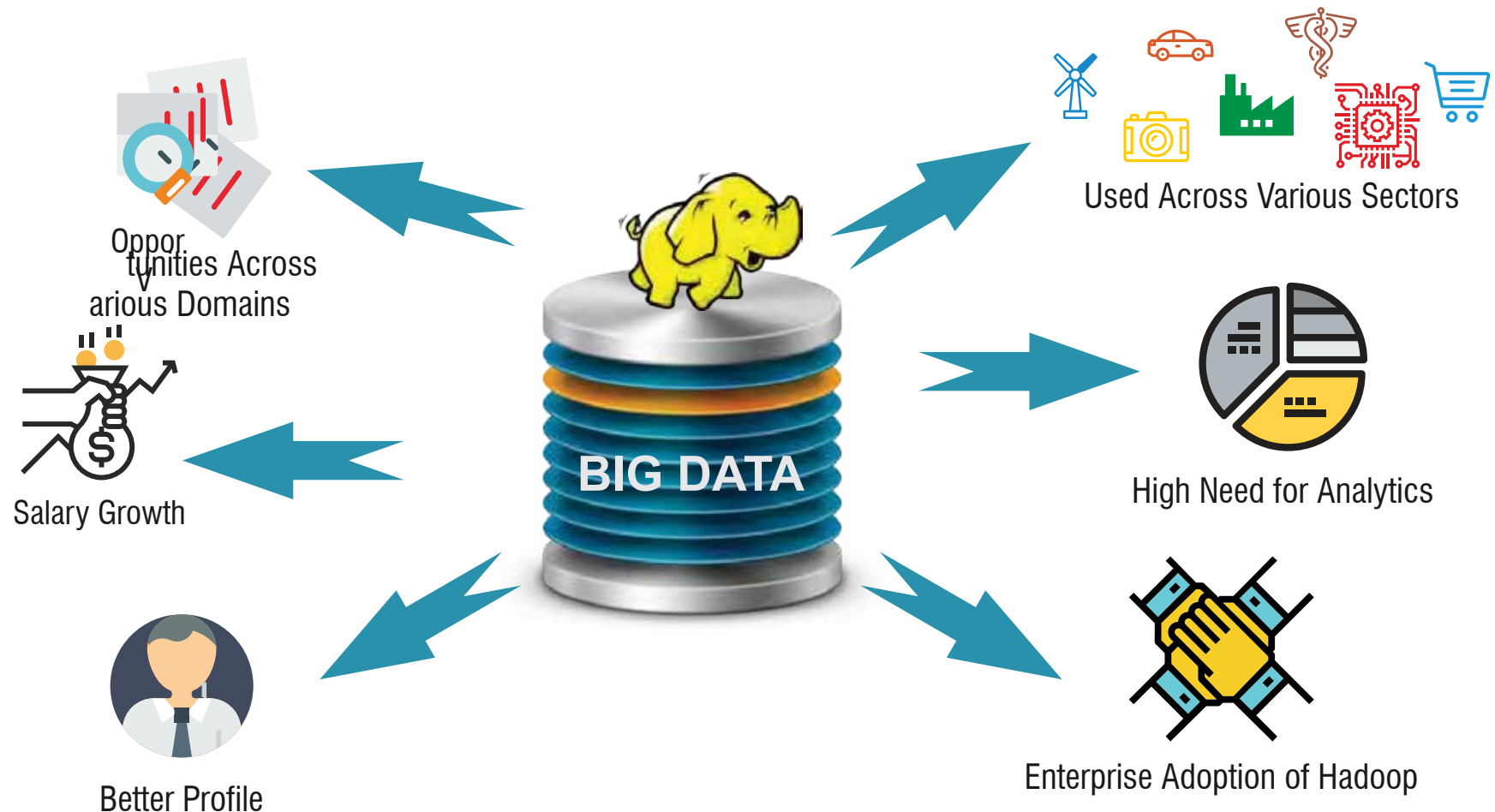
Basic Computer Knowledge.

Core Java/SQL skills will be an added advantage, however, not mandatory.



THE WORLD OF BIG DATA HADOOP ADMINISTRATOR

Hadoop Administrator is one of the most sought after skills in the world today. The global Hadoop market is expected to be worth \$50.24 billion by 2020, offering great career opportunities to professionals. For any organization to start off with Hadoop, they would need Hadoop administrators who are experts in installing clusters. Later, for maintaining the clusters, organizations need administrators with an expertise in troubleshooting, configuring and managing clusters.



TRENDS IN BIG DATA + INDUSTRY VIEWS

“3 out of 5 highest paid jobs require big data and cloud computing skills.” Dzire

“Infosys invests USD 4 Million in Waterline Data Science.”
The Hindu

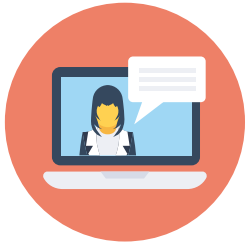
“Indian Big Data Analytics Market worth 2+ Billion.”
Randstand

“Highest Hadoop salary package is bagged by
Hadoop administrator with listed salary of
\$123,000.” Dice.com

“Big data is the next frontier for innovation,
competition, and productivity.” McKinsey



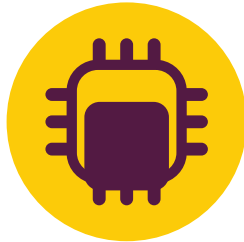
PROGRAM STRUCTURE PLATFORMS



36 hours live online training with an Industry Expert Instructor



POC support and multiple assignments to gain thorough understanding



Training within Apache Hadoop Ecosystem



APACHE HADOOP



APACHE MAP REDUCE



APACHE HIVE



APACHE PIG



APACHE SPARK



APACHE SQOOP



APACHE FLUME

COURSE OBJECTIVES

Massive amounts of data is being generated everyday everywhere, turning the focus to Big Data processing to handle such humongous volumes of data.

- Understand Hadoop as an ecosystem and how it helps store, process and analyze data
- Know the context of Big Data within a data warehouse and understand what is structured, unstructured and raw data
- Learn to develop large scale distributed data processing applications using Hadoop, Map Reduce, Apache Pig, Apache Hive and Apache Spark
- Upon completion of the course, the learner would have understood the complete process of designing and building data applications that could visualize, navigate and interpret large amounts of data



DETAILED CURRICULUM : MODULES

MODULE 1:

Introduction to Bigdata
Introduction to Hadoop
Introduction to HDFS
Introduction to Map-Reduce
Introduction to YARN

MODULE 2:

Apache Hadoop Installation and Configuration

MODULE 3: DETAILS ABOUT HDFS

HDFS Design/Architecture
HDFS Components
Rack Awareness
HDFS read/write operations
Distcp
HDFS CLI
Commissioning and Decommissioning of nodes

MODULE 4: DETAILS ABOUT YARN

MR overview
YARN Architecture and advantages over MR
YARN Job flow
YARN Components
YARN Schedulers
YARN log files

MODULE 5:

HDFS HA
Zookeeper Introduction

MODULE 6:

RM HA

MODULE 7:

Hive Overview
Hive components

MODULE 8:

HBase Overview
Difference between Hive and Hbase

MODULE 9:

Oozie Introduction

MODULE 10:

Sqoop/Flume – Overview

MODULE 11:

Security Overview
Kerberos
Ranger

MODULE 12:

Cluster Planning

MODULE 13:

Hortonworks Installation Overview
HDPCA Certification topics Overview

COGNIXIA's KEY DIFFERENTIATORS



LIFETIME LMS ACCESS



24 x 7 SUPPORT



REAL-LIFE PROJECTS & CASE STUDIES



INDUSTRY EXPERTS AS TRAINERS



INDUSTRY STANDARD CERTIFICATE



EXIT PROFILE

BIGDATA ADMIN

BIGDATA ARCHITECT



TESTIMONIALS

“**DARSHAN RATHI, MUMBAI, INDIA**

I took the training at Cognixia and it turned out to be very beneficial for me. My trainer was an industry veteran and was very passionate about teaching. The examination conducted at the end of the course was well-organized.

“**MAYANK OMAR, BANGALORE, INDIA**

The Course offered by Cognixia for Big Data Hadoop Administration was very well planned and both beginners as well as experts would feel comfortable taking it. The trainer made us feel really comfortable and explained everything in a very simple, effective manner. i would love to get trained again from Cognixia on any of their other courses in the future.

“**RAKESH JHA, PUNE, INDIA**

Cognixia offers a perfect package for better career growth and it is the best training provider I have encountered for getting trained on any of the emerging technologies. My instructor had been in the industry for a very, very long time and he was indeed amazing. Cognixia provided 24*7 technical assistance which was great. Keep up the excellent work, Cognixia!

“**CHRIS COOPER, COLORADO, USA**

It was a life changing moment for me to enrol for the Big Data Hadoop Administration course with Cognixia. The course was very effective and it went through all the basics of being a Hadoop Administrator. I was really impressed by Cognixia during my interaction with them.

“**KADEN, MEMPHIS, USA**

The course is designed according to the industry standards. It has helped me a lot in my current profile. There was excellent dedication shown by the technical team. The required material was uploaded immediately after the training session.

“**MICHAEL JOHN, HOUSTON, USA**

The coursework was very well laid out. The trainer was very knowledgeable and practical. I am thankful to Cognixia to help me stay relevant with the market trends.

“**LISA RUBEN, SINGAPORE, SINGAPORE**

It is an excellent course if you want to achieve the best training in Big Data Hadoop Administrator.

Big Data Hadoop Administrator Training



To learn more visit
<https://www.cognixia.com/>