

BigData Analytics Workshop

Duration

4 Days

Pre-requisite

None

Target Audience

Gathering a Large Amount of Data/Defining Ideal Customer Type Using Digital Data/Provide Real/ Merge Predictive Analytics Into a Lead Scoring Approach Time Personalization/ Healthcare/ Retailers/ Marketing Analysts/ Digital Marketing

Certification Body

EXIN Via CCC (Cloud Credential Council)

Certificate Nature

International Certificate of Life time Validity that does not require any further investment in renewal.

Workshop Outline

Big data analytics is the process of examining large and varied data sets -- i.e., big data -- to uncover hidden patterns, unknown correlations, market trends; customer preferences and other useful information that can help organizations make more-informed business decisions.

Big Data Analytics Course Content

- **Overview of Big Data**
- This includes topics such as history of big data, its elements, career related knowledge, advantages, disadvantages and similar topics.
- **Using Big Data in Businesses**
- This module should focus on the application perspective of Big Data covering topics such as using big data in marketing, analytics, retail, hospitality, consumer good, defense etc.

- **Technologies for Handling Big Data**
- Big Data is primarily characterized by Hadoop. This module cover topics such as Introduction to Hadoop, functioning of Hadoop, Cloud computing (features, advantages, applications) etc
- **Understanding Hadoop Ecosystem**
- This includes learning about Hadoop and its ecosystem which includes HDFS, MapReduce, YARN, HBase, Hive, Pig, Sqoop, Zookeeper, Flume, Oozie etc.
- **Dig Deep to understand the fundamental of MapReduce and HBase**
- This module should cover the entire framework of MapReduce and uses of mapreduce.
- **Understanding Big Data Technology Foundations**
- This module covers the big data stack i.e. data source layer, ingestion layer, source layer, security layer, visualization layer, visualization approaches etc.
- **Databases and Data Warehouses**
- This module should cover all about databases, polygot persistence and their related introductory knowledge
- **Using Hadoop to store data**
- This includes an entire module of HDFS, HBase and their respective ways to store and manage data along with their commands.
- **Learn to Process Data using Map Reduce**
- This emphasizes on developing simple mapreduce framework and the concepts applied to it.
- **Testing and Debugging Map Reduce Applications**
- After the applications are developed, the next step is to test and debug it. This modules imparts this knowledge.
- **Learn Hadoop YARN Architechure**
- This module covers the background of YARN, advantages of YARN, working with YARN, backward compatibility with YARN, YARN Commands, log management etc.
- **Exploring Hive**
- This modules introduces you with all the necessary knowledge of Hive.
- **Exploring Pig**
- This modules introduces you with all the necessary knowledge of PIG.

- **Exploring Oozie**
 - This module introduces you with all the necessary knowledge of Oozie.
- **Learn NoSQL Data Management**
 - This module covers all about NoSQL including document databases, relationships, graph databases, schema less databases, CAP Theorem etc.
- **Integrating R and Hadoop and Understanding Hive in Detail**
 - This module introduces you to RHadoop, ways to do text mining and related knowledge.
 - In this article, I've covered the complete syllabus of Big Data Technologies. This syllabus should give you a comprehensive overview of the topics that you should cover in your upcoming big data training. If you realize, that your training doesn't have any of the mentioned module in the syllabus, I'd recommend you to get in touch with the course administrator and get this thing sorted.

Requirements

Participants should have JIRA free trial access (use the link below)

<https://www.atlassian.com/ondemand/signup/form?product=jira-software.ondemand>

Participants are requested to bring their laptop

Locations offered

On-demand Anytime Anywhere Instructor led training available

Chennai, Bangalore, Hyderabad, Pune & other major cities in India, USA, UK, Middle east, Dubai & Singapore.

Offers

Early bird / Group / Corporate Group / Festive offers available

Demo Session

For a Free Demo session of 1 Hour register in the link below and inform your counselor

<https://docs.google.com/forms/d/e/1FAIpQLSdhXC9DF8cgObBKlxtZmK3b1hsbmYX62Grxwsi96xBnLG0A/viewform>

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