

2 Days Workshop on Big Data & Hadoop

About Workshop:

Big Data is a collection of large and complex data sets that cannot be processed using regular database management tools or processing applications. A lot of challenges such as capture, curation, storage, search, sharing, analysis, and visualization can be encountered while handling Big Data. On the other hand the Apache Hadoop software library is a framework that allows for the distributed processing of large data sets across clusters of computers using simple programming models. It is designed to scale up from single servers to thousands of machines, each offering local computation and storage. Big Data certification is one of the most recognized credentials of today.

Who Should attend:

Java developers, Architects, Big Data professionals, anyone who is looking forward towards building a career in Bigdata and Hadoop are ideal participants for the Big Data and Hadoop training. Additionally, it is suitable for participants who are:

- Aspiring to be in fast growing career
- Looking for a more challenging position
- Aiming to get into a more skillful role

Key Objectives:

Programming in YARN (MRv2) latest version of Hadoop Release 2.0

Implementation of HBase, MapReduce Integration, Advanced Usage and Advanced Indexing.

Advance Map Reduce exercises – examples of Facebook sentiment analysis , LinkedIn shortest path algorithm, Inverted indexing.

Derive an insight into the field of Data Science

Understand the Apache Hadoop framework

Learn to work with Hadoop Distributed File System (HDFS)

Implement Multi node cluster using 3-4 instances of Amazon ec2.

Ability to design and develop applications involving large data using Hadoop eco system.

Differentiate between new as well as old APIs for Hadoop

Understand how YARN engages in managing compute resources into clusters

Career Opportunities after this training:

Indeed :11000+

Simplyhired: 12000+

LikedIn: 4500+

Recruit.net: 8000+

Workshop Modules

Module 1. What is Big Data & Why Hadoop?

What is Big Data?

Traditional data management systems and their limitations What is Hadoop?

Why is Hadoop used?

The Hadoop eco-system

Big data/Hadoop use cases

Module 2. HDFS (Hadoop Distributed File System) and installing Hadoop on single node

HDFS Architecture

HDFS internals and use cases

HDFS Daemons

Files and blocks

Namenode memory concerns

Secondary namenode

HDFS access options

Installing and configuring Hadoop

Hadoop daemons

Basic Hadoop commands

Hands-on exercise

Module 3. Introduction to HBase, Zookeeper & Sqoop

HBase overview, architecture

HBase admin: test

HBase data access

Overview of Zookeeper

Sqoop overview and installation

Importing and exporting data in Sqoop

Hands-on exercise

Module 4. Introduction to Oozie, Flume and advanced Hadoop concepts

Overview of Oozie and Flume

Oozie features and challenges

How does Flume work

Connecting Flume with HDFS

YARN

HDFS Federation

Authentication and high availability in Hadoop

Workshop Duration:

2 Days / 8 Hours per day.

Workshop Fees:

Rs. 1599/- per participant. (Students)

Rs. 2099/- per participant. (Faculty)

Key Benefits:

1. For your easy understanding we have included intense LIVE DEMOS for necessary topics like never before.
2. Learn & Interact with renowned Experts.
3. Receive an unparalleled education on the art of Big Data and Hadoop with personal one-on-one attention.
4. Hands-on demonstrations of latest Techniques & Tools.
5. Discussion on various cases.

Workshop Highlights:

1. Receive an unparalleled education from experts from Industry.
2. Interactive Technical session, Query session, Live demos on Bigdata and Hadoop and PowerPoint presentations.
3. Learn and interact with Certified Professionals.
4. Improve student's job prospects and get an edge over their counterparts in IT Field is the backbone of any other industry.

Key Benefits from Technoglobe Hub

Team at Technoglobe have delivered more than 300 workshops & Seminars at top most institutes of India including IIT's, NIT's and other universities with a participants count of more than 30,000 students.

Role of Organizers Include:

1. Hospitality (2 days) for the technical trainers.
2. Pick and Drop facility from the nearest railway station/bus stop/ airport.

Deliverables to Participants:

Study Material (Digital) for each participant

Authorized Certification from FICCI Recommended Anvay Technosolutions Pvt. Ltd Group Company

Technoglobe Hub and respective institution