

# ORACLE 19C BIG DATA

Course Code: 100727

Working with Oracle Data Analysis, Big Data Lite VM, Hadoop, Flume, Kafka, NoSQL, MapReduce, Yarn and Much More.

Oracle Big Data is a fast-paced, hands-on course geared for those who want to learn about what big data looks like and how is fulfilled using Oracle's big data platform.

## What You'll Learn

Working within in a hands-on learning environment, guided by our expert team, attendees will learn to:

- Big Data Fundamentals and the Oracle Big Data Lite Virtual Machine
- Data Acquisition and Storage
- Working with Hadoop, HDFS, Fuse DFS, Flume, and Kafka, NoSQL and more
- Data Access and Processing with MapReduce and YARN Processing Frameworks
- Data Unification and Integration: Solr, ODI, GoldenGate and more
- Oracle for Data Analysis
- Oracle Big Data Deployment and Security Options

## Who Needs to Attend

This hands on course is geared for experienced Database Administrators who possess

- Basic understanding of Oracle Database principles
- Linux operating system fundamentals
- Basic understanding of PL/SQL and Triggers

## Prerequisites

- Familiarity with Hadoop and experience programming
- Basic knowledge of SQL

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CLASSROOM LIVE

\$1,795 USD

3 Day

## Classroom Live Outline

### 1. **Big Data Fundamentals**

- Oracle Big Data Strategy
- Oracle Big Data Lite Virtual Machine
- Big Data Ecosystem

### 2. **Data Acquisition and Storage**

- Hadoop Distributed File System (HDFS)
- Acquiring Data by Using CLI, Fuse, DFS, Flume, Kafka
- Acquiring and Accessing Data by Using Oracle NoSQL Database

### 3. **Data Access and Processing**

- MapReduce and Yarn Processing Frameworks
- Resources Management Using YARN
- Spark
- Hive
- Cloudera Impala
- Oracle XQuery for Hadoop

### 4. **Data Unification**

- Solr
- Integration Your Big Data
- Batch Loading Options
- Oracle SQL Connector for HDFS
- Oracle Data Integration and Oracle GoldenGate for Big Data

### 5. **Data Analysis**

- Oracle Big Data SQL
- Oracle Big Data Spatial and Graph
- Oracle Advanced Analytics: Oracle Data Mining and Oracle R Enterprise

### 6. **Oracle Big Data Deployment Options**

- Oracle Big Data Appliance (BDA)
- Oracle Big Data Cloud Service

- Oracle Big Data Cloud Service -- Compute Edition
- Securing Your Data

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VIRTUAL CLASSROOM LIVE

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3 Day

## Virtual Classroom Live Outline

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PRIVATE GROUP TRAINING

3 Day

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