# 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 |
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## 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 | $1,795 USD | 3 Day |
|---|---|---|

## Virtual 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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| PRIVATE GROUP TRAINING | 3 Day |
|---|---|

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