Oracle Big Data Overview

Duration: 1 Day

What you will learn

This Oracle Big Data Overview training teaches technical managers and decision makers the essential concepts of big data. Expert Oracle University instructors will introduce the key Oracle products that support it through interactive lectures and hands-on exercises.

Learn To:

Describe the role of Hadoop and its use in the Oracle Big Data platform.
Describe the concepts of big data.
Identify the business implications of big data for an organization.
Identify the key products in Oracle's big data platform and describe their functional role.

Benefits to You

By enrolling in this course, you'll develop a deeper understanding of what big data means to your organization. You will walk away with more knowledge about the role of the Oracle platform and its components, including Oracle NoSQL Database, Hadoop Distributed File System, Oracle Data Mining and Oracle Big Data Connectors. The seminar is presented by key experts from Oracle's big data product management groups who convey their messages through a series of effective lectures.

Audience
Business Analysts
CIO/CTO
Configuration Consultant
Data Center Manager
Database Administrators
IT Director
Systems Architects

Course Objectives
Identify the key products in Oracle's big data platform and describe their functional role

Describe the concepts of big data

Identify the business implications of big data for an organization

Describe the role of Hadoop and its use in the Oracle Big Data platform

Big Data at Work
What is Big Data?
Business Challenges
Getting Fast Answers to New Questions
Industry Examples
Building Your Big Data Strategy

Building a Big Data System
A General Look at Big Data Systems
Oracle Big Data Solution
Oracle NoSQL Database
Hadoop Distributed File System
Oracle In-Database Analytics Platform

Building a Big Data System Using Oracle NoSQL Database
What is a Key-Value Store?
Why Would I Need a NoSQL Database?
Using NoSQL Database to Run a Website

Using Hadoop and Hive to Store and Transform Data
What is Hadoop?
Interacting with HDFS
MapReduce
Using Hive to Transform Data

Integrating Hadoop Data into Oracle
Oracle Big Data Connectors
Oracle Data Integrator Working on Hadoop Data
Transforming Data in ODI

Using Advanced Analytics to Mine Data
Mining Database Data with Oracle R Enterprise
Mining Hadoop Data with Oracle R Connector for Hadoop
Creating Real-Time Similarity Scores with Oracle Data Mining