€ TRAINING

Big Data Overview for IT Executive

16 - 20 December 2024
Barcelona (Spain)

Big Data Overview for IT Executive

REF: B1502 DATE: 16 - 20 December 2024 Venue: Barcelona (Spain) - Fee: 6145 Euro

Introduction:

This course is designed to explain and demystify Big Data in non-technical terms. It bridges the gap between market buzz about Big Data and business realities. It documents real-world usage and ROI of Big Data, delineates successes and failures of Big Data, and the reasons for both. It characterizes what a data scientist is, and what s/he does all day. It discusses the pros and cons of various organizational structures for Big Data and Analytics teams. In short, the course peels away the complexities surrounding Big Data, boiling it down to the essence that managers need to know to make optimal decisions about the use, resourcing, risks, and value of Big Data.

Course Objectives:

At the end of this course the participants will be able to:

- Identify the key products in the big data platforms 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 Big Data platform.
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- Identify the business implications of big data for an organization.
- Identify the key products in the big data platforms and describe their functional role.
- Develop a deeper understanding of what big data means to your organization.
- Walk away with more knowledge about the role of the platform and its components, including NoSQL Database,
- Hadoop Distributed File System, Data Mining, and Big Data Connectors.

Targeted Audience:

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

Course Outlines:

Unit 1: Big Data at Work:

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

Unit 2: Building a Big Data System:

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

Unit 3: Building a Big Data System Using NoSQL Database:

- What is a Key-Value Store?
- Why Would I Need a NoSQL Database?
- Using NoSQL Database to Run a Website.

Unit 4: Using Hadoop and Hive to Store and Transform Data:

- What is Hadoop?
- Interacting with HDFS.
- MapReduce.
- Using Hive to Transform Data.

Unit 5:

- Integrating Hadoop Data into:

    - Big Data Connectors.
    - Data Integrator Working on Hadoop Data.
    - Transforming Data in ODI.
- Using Advanced Analytics to my Data:
    - Mining Database Data with R Enterprise.
    - Mining Hadoop Data with R Connector for Hadoop Creating.
    - Real-Time Similarity Scores with Data Mining.