



*Training Course:
Big Data Management*

*3 - 7 January 2027
Cairo (Egypt)*

Training Course: Big Data Management

Training Course code: IT235039 From: 3 - 7 January 2027 Venue: Cairo (Egypt) - Training Course Fees: 4100 € Euro

Introduction:

The world today is producing vast amounts of data, and the ability to manage and analyze this data effectively is becoming increasingly important for businesses of all sizes. This training program is designed to provide participants with an overview of the principles and practices of big data management.

Objectives:

By the end of this training program, participants will be able to:

- Understand the basics of big data and its applications in different industries
- Identify different types of data and their sources
- Understand the importance of data governance and security
- Develop skills for managing and processing large datasets
- Apply different analytical techniques to extract insights from data

Target Audience:

- Professionals working with data
- Professionals responsible for data management within their organization
- Business analysts
- Data scientists
- IT managers
- Executives seeking to understand the basics of big data management

Outline:

Day 1: Introduction to Big Data

- Definition of big data
- Characteristics of big data
- Applications of big data in different industries
- Challenges of managing big data

Day 2: Types of Data and Data Sources

- Structured, semi-structured, and unstructured data
- Internal and external data sources
- Data quality and data profiling
- Data integration and data mapping

Day 3: Data Governance and Security

- Principles of data governance
- Data ownership and data stewardship
- Compliance and regulatory requirements
- Security and privacy considerations

Day 4: Big Data Processing and Management

- Hadoop and MapReduce
- Distributed computing and storage
- Data warehousing and data lakes
- Big data architecture and infrastructure

Day 5: Big Data Analytics and Insights

- Introduction to data analytics
- Data visualization and reporting
- Predictive analytics and machine learning
- Big data case studies and best practices

Registration form on the Training Course: Big Data Management

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