

Enterprise Big Data Professional Course

Certificate: Enterprise Big Data Professional
(official APMG certification)

Duration: 3 days

Delivery Format: Classroom, Virtual

Target Audience

IT professionals interested in learning about Big Data, Machine Learning and Artificial Intelligence. This course provides fundamental knowledge and concepts.

Prerequisites

There are no prerequisites for this course.

Exam

This course prepares participants for the Enterprise Big Data Professional (EBDP) Examination from APMG-International. The exam consists of 60 multiple-choice questions for which a minimum of 65% should be answered correctly to achieve the certificate. Delegates have 1.5 hours to complete the examination, which will be taken on the last day of class.

Introduction

What benefits can your organization achieve with Big Data? How to spot patterns in large quantities of enterprise data to improve performance and find underlying pattern that can benefit the organization? How can enterprises obtain a competitive advantage with Big Data? The Enterprise Big Data Professional (EBDP) course discusses the theoretical concepts of Big Data and subsequently applies this knowledge to a real-world case study.

Course Description

The Enterprise Big Data Professional (EBDP) course will provide delegates with a fundamental understanding of Big Data and related technologies. In this extensive program, delegates will learn how to adopt, adapt and apply the fundamental principles of Big Data in their own organization to realize business benefits.

The Enterprise Big Data course is the first level of the Big Data Framework course curriculum and certification program that is globally recognized and accredited by APMG-International. The curriculum provides a vendor-neutral and objective understanding of Big Data architectures, technologies and processes. The participant's appreciation of how Big Data best practices can be applied to improve IT performance.

The Enterprise Big Data Professional course is the only vendor-independent program that is dedicated to applying Big Data Best Practices towards enterprise organizations. The practical examples from manufacturing will help to gain a better understanding about how Big Data can be used in actual situations.

Enterprise Big Data Professional Course

We Also Recommend

- Enterprise Big Data Analyst
- Certified Cloud Professional

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Partners



Learning Outcomes

- Introduction to Big Data
- A short history of Big Data
- Big Data characteristics
- Data analysis, analytics, business intelligence and Big Data
- Data products and Big Data solutions
- Machine Learning
- Artificial Intelligence
- The structure of the Big Data Framework
- Big Data Strategy
- Big Data Architecture
- The NIST Big Data Reference Architecture
- Distributed data storage and processing
- Hadoop open-source software framework
- How Hadoop can be used in real life scenarios
- Database technologies (MongoDB)
- Big Data Algorithms
- Statistical Inference, Correlation and Regression
- Classification, Clustering, Outlier Detection and Data Visualization
- Big Data Processes
- Data Analysis Process, Data governance process, Data management processes
- Setting up a big data organization
- Introduction to Artificial Intelligence

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