

Big Data Engineering for Analytics

Dubai (UAE)

16 - 20 February 2025

UK Traininig

PARTNER



Big Data Engineering for Analytics

Code: IT28 From: 16 - 20 February 2025 City: Dubai (UAE) Fees: 4400 Pound

Introduction

This course helps data engineers focus on essential design and architecture while building a data lake and relevant processing platform. Participants will learn various aspects of data engineering while building resilient distributed datasets. Participants will learn to apply key practices, identify multiple data sources appraised against their business value, design the right storage, and implement proper access models.

Course Objectives of Big Data Engineering for Analytics

- Understand the fundamental characteristics, storage, analysis techniques, and the relevant distributions
- Gain expertise with the fault-tolerant computing framework
- Construct configurable and executable tasks
- Understand the nuances of writing functional programs
- Understand various data processing, querying, and persistence available for usage in RDD's context.
- Perform tasks such as filtering, selection, and categorization.

Course Outlines of Big Data Engineering for Analytics

Day 1

Data Science, Data Engineering, Big Data, and Analytics Perspective

- Introduction to Data Science, Data Engineering, and Big Data
- Data Scientist vs. Data Engineer
- Different Roles in Data Engineering
- Core Data Engineering Skills and Resources
- Understand Big Data from an Analytics Perspective

Day 2

Architectural Viewpoints and Hadoop Ecosystem

- Architectural Viewpoints in Big Data
- Reference Architecture Conceptual View
- Reference Architecture Logical View
- Oracle Product Mapping View
- The Hadoop Ecosystem for Big Data



Day 3

File Storage and Databases for Big Data

- Distributed File Storage
- NoSQL Databases for Big Data
- Spark and Functional Programming for Big Data

Day 4

Management of Big Data

- Spark and Resilient Distributed Data Sets
- Spark QL for Big Data
- Spark and Real-Time Stream Processing
- Management of Big Data initiatives

Day 5

Dealing with a case study

- Case study
- Project Requirement Elaboration
- Project and Assessment
- Project Demonstration
- Report Submission and Presentations



Blackbird Training Cities

Europe

izmir



Podgorica (Montenegro)



Stockholm (Sweden)



Lyon (France)



Copenhagen (Denmark)



Bordeaux (France)



Annecy (France)



Oslo (Norway)



Edinburgh (UK)



Glasgow (Scotland)



Malaga (Spain)



London (UK)



Istanbul (Turkey)



Amsterdam (Netherlands)



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Manchester (UK)



Milan (Italy)

USA & Canada



Los Angeles (USA)



Florida (USA)



Online



Boston (USA)



Washington (USA)



Miami (USA)



New York (USA)



Toronto (Canada)



Blackbird Training Cities

Asia



Baku (Azerbaijan)



Maldives (Maldives)



Manila (Philippines)



Bali (Indonesia)



Bangkok (Tailand)



Beijing (China)



Moscow (Russia)
(Malaysia)



Singapore (Singapore)



Sydney (Australia)



Tokyo (Japan)



Dubai (UAE)



Kuala Lumpur



Jakarta (Indonesia)

Africa



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Marocco)



Nairobi (Kenya)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients



UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Refinement

Technical Courses

Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



 International House 185 Tower Bridge
Road London SE1 2UF United Kingdom

 +44 7401 1773 35
+44 7480 775526

 training@blackbird-training.com

 www.blackbird-training.com

UK Training
PARTNER

