

Big Data Engineering for Analytics

Sharm El-Sheikh (Egypt)

20 - 24 April 2025

UK Traininig

PARTNER



Big Data Engineering for Analytics

Code: IT28 From: 20 - 24 April 2025 City: Sharm El-Sheikh (Egypt) 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



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)
(Netherlands)



Podgorica (Montenegro)



Batumi (Georgia)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)



Blackbird Training Cities

USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

Africa



Baku (Azerbaijan)
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney (Australia)



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City (Kuwait)



Pulau Ujong (Singapore)



Jakarta (Indonesia)



Amman (Jordan)



Beirut (Lebanon)



Blackbird Training Cities

Asia



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



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 Elevation

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



BLACKBIRD
FOR TRAINING

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

 +44 7401 1773 35
+44 7480 775526

 Sales@blackbird-training.com

 www.blackbird-training.com

