

## Big Data Engineering for Analytics

*Prague (Czech)*

*6 - 10 January 2025*

UK Traininig

# PARTNER



## Big Data Engineering for Analytics

Code: IT28 From: 6 - 10 January 2025 City: Prague (Czech) Fees: 5100 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)



Anney (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)

UK Training  
**PARTNER**





## 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

UK Training

**PARTNER**

