Advanced Observability and Site Reliability Engineering

London (UK)

23 - 27 December 2024

UK Traininig
PARTNER

Advanced Observability and Site Reliability Engineering

Code: IT28 From: 23 - 27 December 2024 City: London (UK) Fees: 5100 Pound

Introduction

Advanced Observability and Site Reliability Engineering is a comprehensive course designed to equip professionals with the knowledge and skills necessary to excel in modern IT environments characterized by microservices, cloud-native architectures, and distributed systems. This course merges the principles of Observability with the practices of Site Reliability Engineering SRE, offering a holistic approach to building resilient, scalable, and secure systems. Participants will explore cutting-edge techniques, tools, and methodologies to enhance observability, streamline incident management, and foster a culture of reliability within their organizations.

Objectives

- Develop a practical understanding of Observability and its significance in modern IT landscapes.
- Explore the three pillars of Observability and their application in microservices-based containerized environments.
- Implement open Telemetry standards for seamless distributed tracing and innovation.
- Understand and apply the Observability Maturity Model for measuring practical observability.
- Integrate full-stack Observability and distributed tracing into DevSecOps practices.
- Utilize AI Ops to transition from reactive to proactive incident management.
- Implement Network and Container-level Observability with a focus on security.
- Learn about Time-based Topology and its role in Observability for distributed environments.
- Address data issues and build a clean Observability pipeline using DataOps principles.
- Incorporate DevSecOps wisdom into Observability practices.
- Apply Observability practices for DevOps and SRE to enhance system reliability and performance.

Course Outlines

Day 1

Introduction to Advanced Observability and SRE

- Introduction to Advanced Observability and SRE
- Fundamentals of Observability

Day 2

Open Source for Observability and Service Maps

- Leveraging Open Source for Observability

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com

- Service Maps, Topology, and DataOps

Day 3

AIOps, Security, and Networking

- AIOps and Observability
- Security and Networking in Observability

Day 4

Incident Response, Chaos Engineering, and SRE Principles

- Incident Response and Chaos Engineering
- SRE Principles and Execution

Day 5

Hands-on Exercises and Certification Preparation

- Review of key concepts from previous modules
- Hands-on exercises applying Observability and SRE principles
- Certification exam preparation and practice

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com

Blackbird Training Cities

Europe

Malaga (Spain)

Sarajevo (Bosnia and Herzegovina) Cascais (Portugal)

Glasgow (Scotland)

Edinburgh (UK)

Oslo (Norway)

Annecy (France)

Bordeax (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)

USA & Canada

Los Angeles (USA)
Boston,Massachusetts (USA)

Orlando, Florida (USA)

Online

Phoenix, Arizona (USA)

Houston, Texas (USA)

Washington (USA)

Miami, Florida (USA)

New York City (USA)

Seattle, Washington (USA)

Washington DC (USA)

Toronto (Canada)

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com

Blackbird Training Cities

Asia

Baku (Azerbaijan)

Maldives (Maldives)

Manila (Philippines)

Bali (Indonesia)

Bangkok (Thailand)

Beijing (China)

Singapore (Singapore) (Kuwait)

Sydney (Australia)

Tokyo (Japan)

Dubai (UAE)

Kuala Lumpur (Malaysia)

Kuwait City

Jakarta (Indonesia)

Amman (Jordan)

Beirut (Lebanon)

Africa

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)

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com

Blackbird Training Clients

MANNAI Trading Company WLL, **Qatar**

Alumina Corporation **Guinea**

Booking.com **Netherlands**

Oxfam GB International Organization, **Yemen**

Capital Markets Authority, **Kuwait**

Waltersmith Petroman Oil Limited **Nigeria**

Qatar National Bank (QNB), **Qatar**

Qatar Foundation, **Qatar**

AFRICAN UNION ADVISORY BOARD ON CORRUPTION, **Tanzania**

KFAS **Kuwait**

Reserve Bank of Malawi, **Malawi**

Central Bank of Nigeria **Nigeria**

Ministry of Interior, **KSA**

Mabruk Oil Company **Libya**

Saudi Electricity Company, **KSA**

BADAN PENGELOLA KEUANGAN Haji, **Indonesia**

NATO **Italy**

ENI CORPORATE UNIVERSITY, **Italy**

Gulf Bank **Kuwait**

General Organization for Social Insurance **KSA**

Defence Space Administraion **Nigeria**

National Industries Group (Holding), **Kuwait**

Hamad Medical Corporation, **Qatar**

USAID **Pakistan**

STC Solutions, **KSA**

North Oil company,

EKO Electricity

Oman Broadband

UN.

Authority for

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

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 Trainig
PARTNER

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com