

Advanced Observability and Site Reliability Engineering

London (UK)

7 - 11 October 2024

UK Training

PARTNER



Advanced Observability and Site Reliability Engineering

Code: IT28 From: 7 - 11 October 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



- 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



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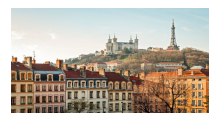
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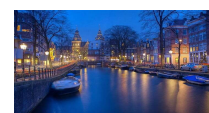
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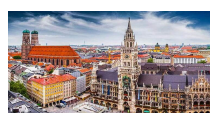
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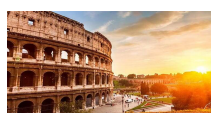
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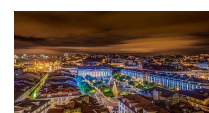
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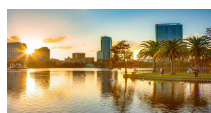


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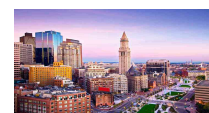
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