London TDM

Information Technology and Digital Transformation Training Courses

Course Venue: United Kingdom - London

Course Date: From 31 May 2026 To 04 June 2026

Course Place: London Paddington

Course Fees: 7,500 USD

Introduction

Cloud computing has revolutionized the way businesses operate by providing scalable computing resources and enabling innovation. This 5-day course, "Cloud Computing Fundamentals (AWS, Azure, GCP)", offers participants a comprehensive introduction to cloud computing concepts, with practical examples of services and solutions from the three leading cloud service providers: Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform (GCP). Designed for IT professionals and developers, the course will equip attendees with foundational knowledge and skills to pursue further specialized cloud training.

Objectives

- Understand the core concepts of cloud computing and its business benefits.
- Familiarize with the leading cloud platforms: AWS, Azure, and GCP.
- Identify and assess cloud service models: IaaS, PaaS, and SaaS.
- Explore security, compliance, and cost management in the cloud.
- Gain hands-on experience with basic services and tools from AWS, Azure, and GCP.

Course Outlines

Day 1: Introduction to Cloud Computing

- Definition and characteristics of cloud computing
- Historical evolution and current trends
- Cloud service models: IaaS, PaaS, and SaaS
- Public, private, and hybrid cloud models
- Benefits and challenges of cloud adoption

Day 2: Amazon Web Services (AWS) Fundamentals

- Overview of AWS architecture and global infrastructure
- Introduction to key AWS services: EC2, S3, RDS, and Lambda
- IAM (Identity and Access Management) fundamentals
- Monitoring and managing costs with AWS
- Hands-on labs: Launching and configuring AWS resources

Day 3: Microsoft Azure Fundamentals

- Overview of Microsoft Azure services and architecture
- Core Azure services: Virtual Machines, Blob Storage, SQL Database
- Azure identity and security management
- Cost management and SLA in Azure
- Hands-on labs: Deploying resources using Azure Portal

Day 4: Google Cloud Platform (GCP) Fundamentals

- Introduction to GCP and its core infrastructure
- Key GCP services: Compute Engine, Cloud Storage, BigQuery
- GCP identity management and security practices
- Billing and cost management in GCP

- Hands-on labs: Setting up projects and using GCP APIs

Day 5: Cloud Security, Compliance, and Future Trends

- Understanding cloud security and data protection
- Compliance and governance in the cloud
- Introduction to containers and serverless computing
- Multi-cloud strategy and vendor lock-in considerations
- Future trends and emerging technologies in cloud computing