



Cloud Technology Essentials: AWS, Azure & GCP for Modern Professionals

Duration: 5 Days

Language: en

Course Code: PI1 - 143

Objective

By the end of this course, participants will be able to:

- Understand the fundamental concepts of cloud computing and multi-cloud strategy.
- Identify the key components and services of AWS, Azure, and GCP.
- Evaluate cloud deployment models (public, private, hybrid, and multi-cloud).
- Explain security, compliance, and shared responsibility models across platforms.
- Understand pricing, billing, and cost-optimisation mechanisms for each cloud provider.
- Prepare for the AWS Cloud Practitioner exam and foundational certifications in Azure and

GCP.

Audience

This course is ideal for:

- IT professionals and system administrators new to cloud computing.
- Project managers, analysts, and non-technical stakeholders needing cloud literacy.
- Developers and engineers preparing for AWS, Azure, or GCP certifications.
- Business and operations professionals integrating cloud solutions in their organisations.

Training Methodology

This programme combines instructor-led sessions, guided demonstrations, and hands-on labs across AWS, Azure, and GCP consoles. It includes comparative platform exercises, cloud cost simulations, and exam-focused practice questions for AWS Cloud Practitioner certification.

Summary

This comprehensive course offers a **foundational yet practical understanding of the three leading cloud platforms – AWS, Microsoft Azure, and Google Cloud Platform (GCP)**. Designed for early-career professionals, IT practitioners, and business leaders, this masterclass provides an integrated view of how cloud computing transforms modern enterprises.

Participants will learn the core principles of cloud architecture, deployment models, security fundamentals, and cost management, while comparing the unique strengths of each platform. The course also aligns with AWS Certified Cloud Practitioner learning outcomes, making it an ideal starting point for future AWS, Azure, or GCP certifications.

By the end, learners will be equipped to speak the language of cloud computing fluently, understand business applications across multi-cloud environments, and make informed strategic or technical decisions in cloud-enabled organisations.

Course Content & Outline

Section 1: Cloud Computing Fundamentals

- Understanding the core concepts of cloud computing: IaaS, PaaS, SaaS.
- The evolution of cloud and digital transformation.
- Key advantages: scalability, elasticity, and cost-efficiency.
- Cloud deployment models: public, private, hybrid, and multi-cloud.
- Introduction to AWS, Azure, and GCP ecosystems.

Section 2: AWS Cloud Practitioner Foundations

- Overview of AWS global infrastructure: regions, availability zones, edge locations.
- Core AWS services: Compute (EC2, Lambda), Storage (S3, EBS), and Databases (RDS, DynamoDB).
- Networking and Content Delivery (VPC, CloudFront).
- AWS Identity and Access Management (IAM) and security best practices.
- AWS pricing models, billing dashboards, and cost management tools.

Section 3: Microsoft Azure Fundamentals

- Azure architecture overview: resource groups, subscriptions, and management tools.
- Core Azure services: Compute (VMs, App Service), Storage (Blob, Disk, File), and Databases (SQL, Cosmos DB).
- Azure networking and connectivity basics (VNet, ExpressRoute).
- Azure Active Directory and governance.
- Understanding Azure cost management and free tier options.

Section 4: Google Cloud Platform (GCP) Essentials

- GCP global infrastructure: projects, billing accounts, and IAM policies.
- Compute options (Compute Engine, App Engine, Cloud Functions).
- Storage and database services (Cloud Storage, BigQuery, Firestore).
- VPC and network architecture fundamentals.
- Cost control and pricing principles in GCP.

Section 5: Multi-Cloud Strategy, Security & Certification Preparation

- Multi-cloud management: when and why to use multiple providers.

- Shared responsibility model: AWS vs. Azure vs. GCP comparison.
- Cloud security best practices: encryption, IAM, and compliance frameworks.
- Preparing for AWS Certified Cloud Practitioner Exam (structure, question types, study plan).
- Overview of Azure Fundamentals (AZ-900) and GCP Cloud Digital Leader certifications.

Certificate Description

Upon successful completion of this training course, delegates will be awarded a Holistique Training Certificate of Completion. For those who attend and complete the online training course, a Holistique Training e-Certificate will be provided.

Holistique Training Certificates are accredited by The CPD Certification Service (CPD), and are certified under ISO 9001 and ISO 29993 standards.

CPD credits for this course are granted by our Certificates and will be reflected on the Holistique Training Certificate of Completion. In accordance with the standards of The CPD Certification Service, one CPD credit is awarded per hour of course attendance. A maximum of 50 CPD credits can be claimed for any single course we currently offer.

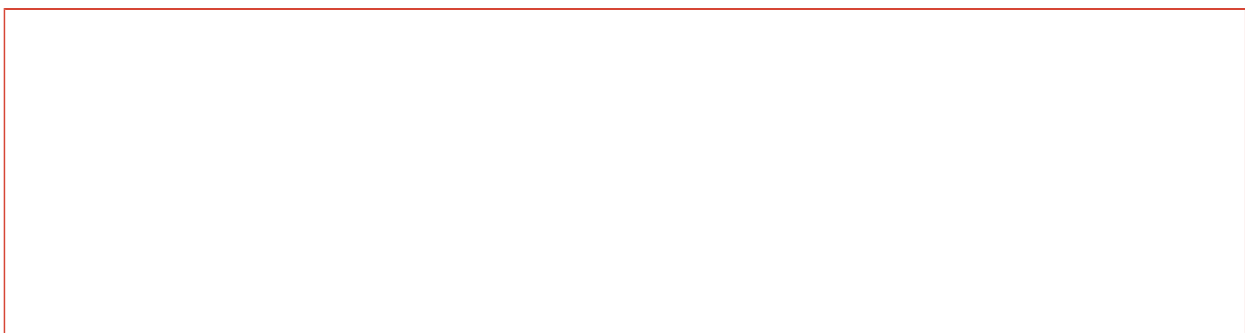
Categories

IT & Computer Application, Project Management

Tags

Cloud Computing, AWS, Microsoft Azure, Google Cloud Platform, GCP

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