

FUNDAMENTALS OF CLOUD-BASED TECHNOLOGY

“Unlock the Power of Cloud for Scalable, Secure, and Agile Business Solutions”

Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

► **Available delivery methods:** In-House Training

Introduction

This course introduces professionals to the foundational concepts of cloud computing, the various service models (IaaS, PaaS, SaaS), deployment types (public, private, hybrid), and the core technologies that enable the modern cloud ecosystem. Participants will explore cloud architecture, virtualization, storage, security, and key cloud providers (AWS, Azure, Google Cloud), equipping them with practical knowledge to support cloud strategy and transformation initiatives.

Objectives

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

- Understand cloud computing principles, architectures, and delivery models
- Identify key cloud platforms and their services
- Explore virtualization, storage, and networking in the cloud
- Evaluate cloud security, compliance, and cost considerations
- Support migration planning and adoption of cloud-based technologies

Why Attend

As businesses accelerate digital transformation, cloud proficiency is essential. This course empowers professionals to confidently engage in cloud discussions, design decisions, and implementation planning.

Target Audience

- IT professionals and system administrators
- Project managers and business analysts
- Software developers and DevOps teams
- Digital transformation and strategy leads
- Anyone exploring cloud adoption and management

Individual Benefits

- Build a solid foundation in cloud computing
- Prepare for advanced cloud certifications (e.g., AWS Cloud Practitioner, Azure Fundamentals)
- Become cloud-literate to support or lead technology modernization

Organizational Benefits

- Develop internal cloud capabilities and reduce reliance on legacy systems
- Support secure, scalable, and cost-effective infrastructure planning
- Enhance operational agility and resilience

Instructional Methodology

- Instructor-led sessions with visual aids
- Interactive discussions and scenario walkthroughs
- Practical demonstrations and hands-on labs (simulated)
- Real-world case studies and cloud adoption planning exercises

Course Outline

DETAILED 5-DAY COURSE OUTLINE (Customizable) Training Hours: 07:30 AM – 03:30 PM Daily Format: 3–4 Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Cloud Foundations

- 07:30 – 09:30 – Module 1: Introduction to Cloud Computing – Concepts & Drivers
- 09:45 – 11:15 – Module 2: Cloud Service Models: IaaS, PaaS, SaaS Explained
- 11:30 – 01:00 – Module 3: Cloud Deployment Models: Public, Private, Hybrid

Day 2: Core Technologies

- 07:30 – 09:30 – Module 4: Virtualization & Containerization in the Cloud
- 09:45 – 11:15 – Module 5: Cloud Storage, Networking & Compute Resources
- 11:30 – 01:00 – Module 6: Cloud Service Providers: AWS, Azure, GCP Overview

Day 3: Architecture & Migration

- 07:30 – 09:30 – Module 7: Designing Cloud Architectures: Scalability & Resilience
- 09:45 – 11:15 – Module 8: Migration Planning: Cloud Readiness & Strategy
- 11:30 – 01:00 – Module 9: Application Modernization in the Cloud

Day 4: Security & Management

- 07:30 – 09:30 – Module 10: Cloud Security Principles and Shared Responsibility
- 09:45 – 11:15 – Module 11: Identity & Access Management (IAM), Encryption, Compliance
- 11:30 – 01:00 – Module 12: Cloud Monitoring, Cost Optimization & SLAs

Day 5: Case Studies & Lab Simulations

- 07:30 – 09:30 – Module 13: Cloud Use Cases: Finance, Healthcare, Education
- 09:45 – 11:15 – Module 14: Hands-on Simulations: Provisioning and Deployment
- 11:30 – 01:00 – Module 15: Final Review, Capstone Presentation & Certificate Ceremony

Certification

All participants will receive a Certificate of Completion for Fundamentals of Cloud-Based Technology, demonstrating their understanding of core cloud concepts and practical implementation approaches.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
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In-House / Customized Training

Interested in running this course for your team?

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