

Introduction to Cloud Computing: AWS and Azure Course Details

Department: ICT and Security Management

Presented by Magna Skills Development Institute

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Course Summary

The Introduction to Cloud Computing: AWS and Azure course by Magna Skills offers a foundational understanding of cloud computing platforms, focusing on Amazon Web Services (AWS) and Microsoft Azure. Participants will learn the fundamentals of cloud computing, explore key features and services offered by AWS and Azure, and gain insights into the benefits and practical applications of cloud technology in today's digital landscape.

This course is an introductory level course for understanding the cloud technology concepts and gives a detailed introduction to the three largest cloud providers: Amazon Web Service (AWS), Microsoft Azure and Google Cloud Platform (GCP).

Course Objectives

- 1. **Understand Cloud Computing Fundamentals:** Gain a comprehensive understanding of cloud computing concepts, including deployment models, service models, and key terminology.
- 2. **Explore Amazon Web Services (AWS):** Learn about the core services and features offered by AWS, including compute, storage, networking, and databases, and understand how to navigate the AWS Management Console.
- 3. **Discover Microsoft Azure Services:** Explore the key services and capabilities of Microsoft Azure, including virtual machines, storage solutions, networking services, and identity management, and learn how to leverage Azure Portal for managing resources.
- 4. **Compare AWS and Azure:** Compare and contrast the offerings of AWS and Azure, including pricing models, global infrastructure, security features, and integration options, to make informed decisions for cloud deployments.
- 5. **Understand Cloud Migration Strategies:** Learn about common cloud migration strategies, such as rehosting, refactoring, rearchitecting, and repurchasing, and understand best practices for migrating workloads to the cloud.

Course Outline

Module 1: Introduction to Cloud Computing

- Overview of cloud computing concepts and benefits
- Cloud deployment models: public, private, and hybrid clouds
- Cloud service models: IaaS, PaaS, and SaaS

Module 2: Amazon Web Services (AWS) Fundamentals

- Introduction to AWS: history, global infrastructure, and core services
- AWS Compute Services: EC2, Lambda, and Elastic Beanstalk

- AWS Storage Services: S3, EBS, and Glacier

Module 3: Microsoft Azure Essentials

- Introduction to Microsoft Azure: overview, global regions, and service offerings
- Azure Virtual Machines: deployment, management, and scalability
- Azure Storage Solutions: Blob Storage, Azure Files, and Azure Disk Storage

Module 4: Comparing AWS and Azure

- Comparative analysis of AWS and Azure services, pricing models, and features
- Evaluating factors such as reliability, scalability, security, and compliance

Module 5: Cloud Migration Strategies

- Overview of cloud migration methodologies and best practices
- Case studies and real-world examples of successful cloud migrations

Participants in the Introduction to Cloud Computing: AWS and Azure course will gain a solid foundation in cloud computing concepts and gain practical insights into working with two leading cloud platforms, AWS and Azure. Through hands-on exercises, demonstrations, and case studies, participants will develop the knowledge and skills necessary to leverage cloud technologies effectively for various business applications.

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Company Overview

Who We Are: Magna Skills is a premier training and capacity-building organization specializing in professional development for government institutions, NGOs, and the private sector.

Our Mission: To provide world-class training solutions that equip professionals with the expertise needed to excel in their

careers and contribute meaningfully to their organizations.

Our Vision: To be the leading provider of professional training and development across Africa, fostering excellence, innovation, and capacity-building in public and private sectors.

Core Values

- **Excellence** – Delivering high-quality training tailored to meet the evolving needs of professionals.
- **Integrity** – Upholding the highest ethical standards in all our engagements.
- **Innovation** – Embracing new technologies and methodologies to enhance learning experiences.
- **Customer-Centric Approach** – Ensuring client satisfaction by providing relevant, practical, and impactful training.
- **Collaboration** – Partnering with industry experts and institutions to provide the best learning opportunities.

Our Training Methodology

We use a blended learning approach that includes instructor-led training, case studies, workshops, and post-training support.

Why Choose Magna Skills?

- Experienced Trainers
- Customized Training Solutions
- Interactive Learning
- Global Recognition
- Proven Track Record

Request for Training Form

Complete the form and share with Magna Skills Support Team on email info@magnaskills.com or Send Whatsapp on: +27630079022

Approval & Authorization	
Applicant Details	Course Details
First Name:	Course Name:
Last Name:	Training Venue:
Mobile:	Month:
Email:	Training Method: Online[____] Face to Face [____]
Company Name:	Duration:
Country:	Number of Staff Members:

By signing this agreement, both parties confirm their commitment to the terms outlined in this proposal.