



Multi Cloud Foundational

The **MultiCloud Foundation Course** is designed to introduce learners to the core services and architecture of **AWS**, **Azure**, and **GCP**.

Who It's For

- Beginners, IT professionals & students eager to master cloud fundamentals
- Those seeking hands-on exposure to top three public clouds in one course

What You'll Learn

- It provides a hands-on approach to understanding cloud computing, covering compute, storage, networking, and IAM.
- Participants will gain practical experience using the console for all three cloud platforms. The course includes real-time labs, industry use cases, and guided projects to build confidence.

- Key concepts like virtual machines, object storage, and Networking are taught across clouds.
- Identity and access management, billing, and monitoring tools are compared for a cross-cloud perspective.

Benefits You'll Gain

- The program helps learners understand vendor-neutral design patterns and avoid vendor lock-in.
- Ideal for beginners, system admins, or aspiring cloud professionals looking to expand their scope.
- It lays the groundwork for advanced multi-cloud DevOps, security, and cloud-native development.
- By the end, learners will be ready to choose the right cloud services for various business needs

Course Details

- **Duration:** 20 days (1 hour per day)
- **Mode:** Fully online – attend live and via recorded sessions
- **Start Date:** Flexible enrollment – begin anytime!

Topics that will be covered

→ Introduction of AWS, Azure and GCP

- ◆ Global Market share of each Cloud
- ◆ Global Infrastructure of each Cloud
- ◆ Creating Cloud Accounts
- ◆ Understanding each Cloud Console
- ◆ Understanding each Cloud Certification
- ◆ Overall difference between MultiCloud

→ **Compute in AWS Cloud**

- ◆ Understand EC2 in AWS Cloud
- ◆ Launch Instance in EC2
- ◆ Understand Keypair and Security Group

→ **Compute in Azure Cloud**

- ◆ Understand Virtual Machines in Azure Cloud
- ◆ Create VM in Azure
- ◆ Understand use cases of VMs

→ **Compute in GCP Cloud**

- ◆ Understand VM instance in GCP
- ◆ Create a VM Instance in GCP
- ◆ Understand web service in Windows and Linux

→ **Compute in All Cloud**

- ◆ Consolidate and understand the major components of Compute in each cloud

→ **Introduction to Storage Terminologies**

- ◆ Benefits of Cloud Storage
- ◆ Types of Storage
- ◆ Storage Terminologies

→ **Elastic Block Storage in AWS**

- ◆ Storage Volumes in EC2
- ◆ Usage of Root Volume
- ◆ Usage of Data Volume

→ **Disks in Azure VM**

- ◆ Disk Types in Azure VM
- ◆ OS Disk in Azure VM
- ◆ Data Disk in Azure VM

→ **Instance Disks in GCP**

- ◆ Disk Types in GCP
- ◆ Usage of Local, Hyper and SSD
- ◆ Benefits of each Disk

→ **Object Storage in each Cloud**

- ◆ S3 in AWS
- ◆ Storage Account in Azure
- ◆ Buckets in GCP

→ **Introduction to Networking**

- ◆ Basic of Networking
- ◆ Private and Public IP Addresses
- ◆ Subnetting
- ◆ NAT and VPN basics

→ **Virtual Private Cloud in AWS**

- ◆ Understand VPC and Subnet
- ◆ Internet Gateway
- ◆ Route Tables
- ◆ Creating a Public and Private Subnet

→ **Virtual Network in Azure**

- ◆ Understand Vnet
- ◆ Understand Public and Private subnet
- ◆ Design and Implement Front and backend Network

→ **Virtual Private Network in GCP**

- ◆ Understand VPC Network
- ◆ Understand components in VPC network
- ◆ Create best practices in Network infrastructure

→ **Securing Network in all Cloud**

- ◆ Understand Security Groups
- ◆ Understand Network Security Group

- ◆ Understand VPC Firewall Rules

→ Introduction to IAM

- ◆ What IAM is and what it does
- ◆ How does IAM works
- ◆ Why IAM is important
- ◆ Benefits of IAM system
- ◆ IAM and compliance regulations
- ◆ IAM technologies and Tools
- ◆ IAM Solutions

→ IAM in AWS

- ◆ IAM Users, Groups
- ◆ IAM Default Policies and Custom Policies

→ Entra ID in Azure

- ◆ Understand Entra ID in Azure
- ◆ Understand Users
- ◆ Understand RBAC
- ◆ Reader, Contributor and Owner

→ IAM in GCP

- ◆ Understand IAM in GCP
- ◆ Users and Groups
- ◆ Understand PAM in GCP

→ Comparing and Consolidation of All Clouds

This is created by [Huzefa](#) with the references of AWS, Azure and GCP Certifications Syllabus.

To Join this Course Contact or Ping on Whatsapp : **93427 37660**