

CLOUD COMPUTING TRAINING SCHEDULE

01 Introduction to Cloud Computing

02 Core Architectural Components of Azure

Regions, availability Zones, Resource groups, Azure Resource Manager

03 Azure Compute Services

Virtual Machine and Virtual Machine Scale Set, Adding data disk to a VM, Custom Template

04 Azure Storage

Blob, Files, Queues, Tables, SAS Url Generation, Hosting a static website in Azure Blob Storage

05 Authorization and Authentication

Resource Lock, RBAC, Active Directory, Multi-factor Authentication, Zero Trust Concept

06 Databases

Cosmos DB, Azure SQL Product Family, SQL Database Migration.

07

Azure Networking

Virtual Networks, Load balancer,
Subnet, Security Group, IP Traffic,
Application Gateway netc

08

Security

Azure key Vault, Defence in depth,
Azure Firewall, DDOS, Network Security
Group

09

Azure Solutions

Internet of things, Big Data, Machine
Learning etc

10

Monitoring and Management

Azure Service Health, Azure monitor,
Monitoring tools....

11

Serverless Technology

Azure Logic App, Azure Function, Event
Grid

12

Pricing

Pricing Calculator, Budget, Cost
Management, Service Level Agreement

13

GIT and GitHub

14

Linux Commands

15

Container& Docker Overview

container image, Container use cases, Microservices Architecture, Dockerfile Volume, Bind Mount.

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Azure Container Instance

Pushing an Image to Azure Container Registry, creating containers in azure

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Kubernetes Overview

Control Plane, Worker Nodes, Kubectl commands, Kubeadm, Minikube , Kubernetes Objects, Kubernetes in the Cloud

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Terraform (Infrastructure as Code)