Technocation Freelancing Training Institute And Software House

Microsoft Azure-900 Certification Module

MODULE 1: Introduction to Cloud Concepts

- What is cloud and why we use it
- Benefits: cost, speed, flexibility
- Public, private, and hybrid cloud types
- Azure is Microsoft's cloud platform

MODULE 2: Core Azure Services

- Compute (virtual machines, functions)
- Storage (files, blobs, disks)
- Networking basics (VNet, load balancer)
- Databases in Azure (SQL, Cosmos DB)

MODULE 3: Azure Architecture Basics

- Regions and availability zones
- Resource groups to manage services
- Subscriptions for billing
- Data centers across the world

MODULE 4: Azure Compute Services

- Virtual Machines for running apps
- App Services for hosting websites
- Containers and Kubernetes support
- Azure Functions for serverless

MODULE 5: Azure Networking

- Virtual Networks (VNets) to connect
- VPN and ExpressRoute for secure link
- Load balancer for traffic sharing

- DNS and CDN basics in Azure

MODULE 6: Azure Storage

- Blob storage for large files
- File storage for shared access
- Disk storage for VMs
- Storage tiers: hot, cool, archive

MODULE 7: Azure Databases

- SQL Database service
- Cosmos DB for NoSQL
- Database migration tools
- Security for databases

MODULE 8: Azure Security Tools

- Azure Security Center basics
- Azure Defender features
- Identity and Access Management
- Best practices for data security

MODULE 9: Azure Identity & Access

- Azure Active Directory (AAD)
- Multi-factor authentication
- Role-Based Access Control (RBAC)
- Conditional access policies

MODULE 10: Azure Management Tools

- Azure Portal basics
- Azure PowerShell commands
- Azure CLI for automation
- ARM Templates for deployment

MODULE 11: Azure Pricing & Support

- Pay-as-you-go model
- Free and reserved tiers
- Cost management tools
- Azure support plans

MODULE 12: Monitoring & Governance

- Azure Monitor for logs
- Service Health dashboard
- Azure Policy for compliance
- Resource tagging for organization

MODULE 13: Certification Module

- Review all Azure-900 topics
- Practice with sample questions
- Understand exam format & time
- Take mock tests before real exam

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