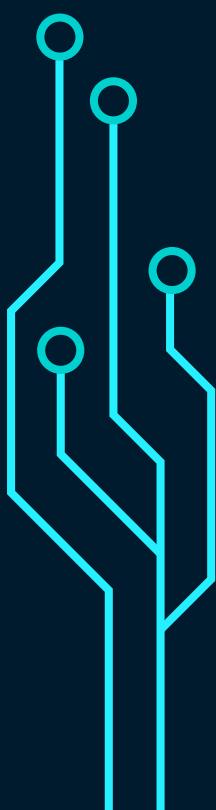


AZURE

INTERVIEW PREP GUIDE

Specially for Interviews



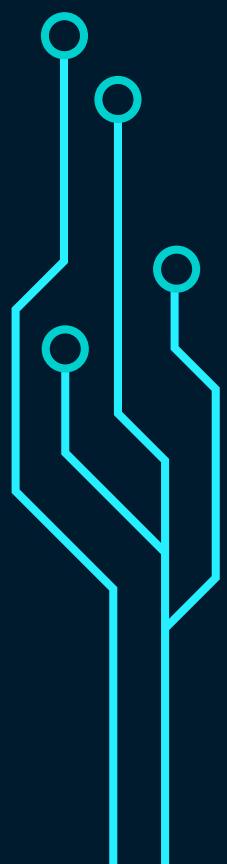
1. Understanding Azure Fundamentals

📌 Key Topics:

- ✓ What is Microsoft Azure?
- ✓ Core Azure services (Compute, Storage, Networking, Security)
- ✓ Azure Regions & Availability Zones
- ✓ Azure Resource Manager (ARM)

🔍 Interview Questions:

- ✓ What are the benefits of using Azure?
- ✓ Explain the difference between Azure VM and Azure App Service.
- ✓ What is an Azure Availability Zone, and why is it important?



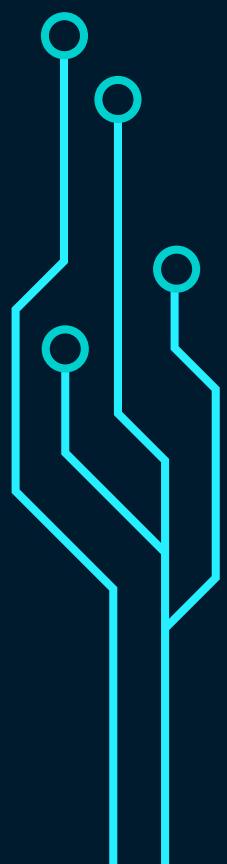
2. Compute Services (VMs, Containers, Serverless)

📌 Key Topics:

- Azure Virtual Machines (VMs) – Types, Scaling, Pricing
- Azure Kubernetes Service (AKS)
- Azure Functions & Logic Apps
- Azure App Service (Web Apps, API Apps, Mobile Apps)

🔍 Interview Questions:

- How do you scale Azure VMs automatically?
- What is the difference between Azure Functions and Logic Apps?
- How does Azure Kubernetes Service (AKS) work?



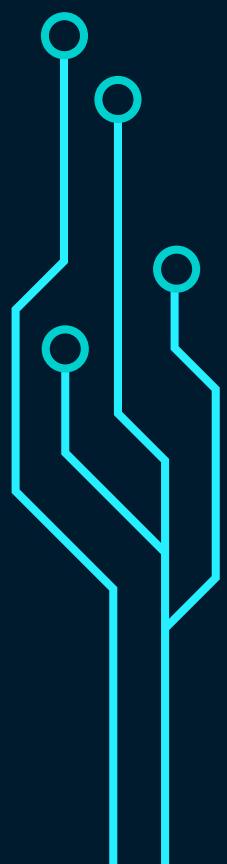
3. Storage & Databases

📌 **Key Topics:**

- ✓ Azure Blob Storage, File Storage, Table Storage
- ✓ Azure SQL Database & Cosmos DB Storage Tiers & Redundancy (LRS, GRS, ZRS)
- ✓ Azure Data Lake & Data Factory

🔍 **Interview Questions:**

- ✓ What are the different types of Azure Storage?
- ✓ How does Azure Cosmos DB ensure global availability?
- ✓ What is the difference between LRS, ZRS, GRS, and RA-GRS in Azure Storage?



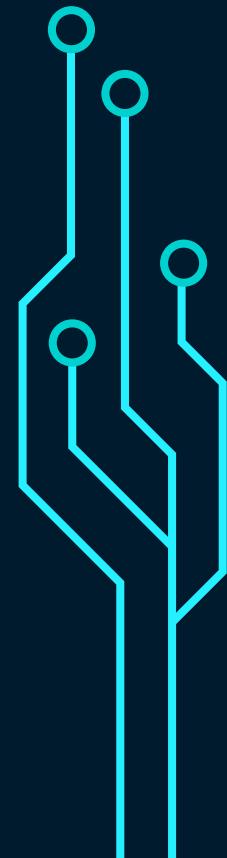
4. Networking in Azure

📌 Key Topics:

- Virtual Networks (VNet) & Subnets
- Azure Load Balancer & Application Gateway
- Azure VPN Gateway & ExpressRoute
- Azure DNS & Traffic Manager

🔍 Interview Questions:

- How does Azure Load Balancer work?
- What is the difference between Azure VPN Gateway and ExpressRoute?
- Explain the purpose of Azure Traffic Manager



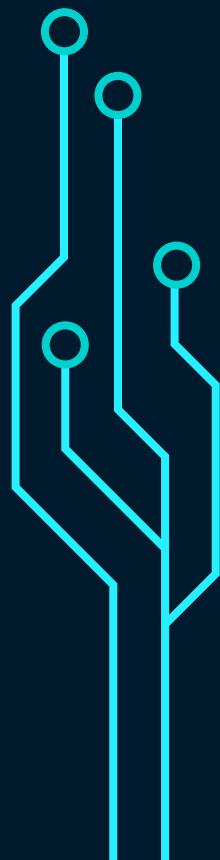
5. Security & Identity Management

📌 Key Topics:

- Azure Active Directory (Azure AD)
- Role-Based Access Control (RBAC)
- Azure Key Vault
- Network Security Groups (NSG) & Azure Firewall

🔍 Interview Questions:

- What is the difference between Azure AD and Active Directory?
- How does RBAC work in Azure?
- How do you securely store secrets in Azure?



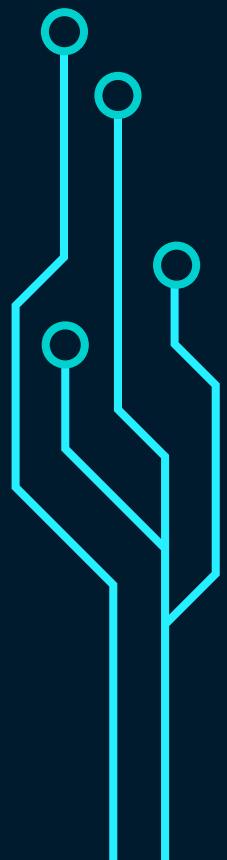
6. Azure DevOps & Monitoring

📌 Key Topics:

- Azure DevOps (CI/CD Pipelines)
- Azure Monitor & Application Insights
- Azure Log Analytics
- Infrastructure as Code (ARM Templates, Terraform, Bicep)

🔍 Interview Questions:

- How do you implement CI/CD in Azure DevOps?
- What is the purpose of Azure Monitor?
- How can you automate infrastructure deployment in Azure?

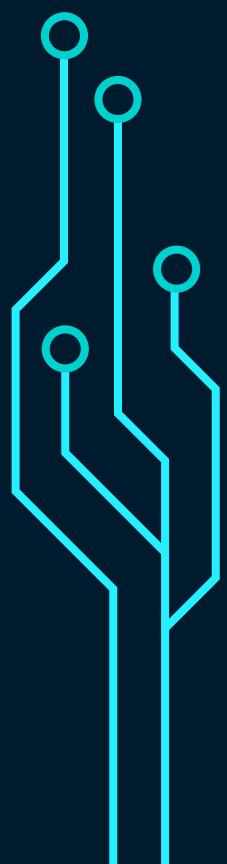


7. Common Azure Interview Scenarios



Scenario-Based Questions:

- How would you design a multi-region Azure deployment?
- What steps would you take to migrate an on-premises app to Azure?
- How do you handle high availability in Azure?



8. Hands-On Practice

🛠 Recommended Labs:

- Deploy a Virtual Machine in Azure
- Set up an Azure Kubernetes Cluster (AKS)
- Implement CI/CD with Azure DevOps
- Configure Azure Monitor & Log Analytics



**SAVE FOR
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