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Exam AZ-104: Microsoft Azure Administrator

Audience Profile: Candidates for this exam should have subject matter expertise implementing, managing, and monitoring an organization's Microsoft Azure environment. Responsibilities for an Azure Administrator include implementing, managing, and monitoring identity, governance, storage, compute, and virtual networks in a cloud environment, plus provision, size, monitor, and adjust resources, when needed. An Azure Administrator often serves as part of a larger team dedicated to implementing your organization's cloud infrastructure. A candidate for this exam should have at least six months of hands-on experience administering Azure, along with a strong understanding of core Azure services, Azure workloads, security, and governance. In addition, this role should have experience using PowerShell, Azure CLI, Azure portal, and Azure Resource Manager templates.

Skills Measured

NOTE: The bullets that appear below each of the skills measured are intended to illustrate how we are assessing that skill. This list is not definitive or exhaustive.

NOTE: In most cases, exams do NOT cover preview features, and some features will only be added to an exam when they are GA (General Availability).

Objective Domain

1. Manage Azure identities and governance (15-20%)

- 1.1 Manage Azure AD objects
- 1.2 Manage role-based access control (RBAC)
- 1.3 Manage subscriptions and governance

2. Implement and manage storage (10-15%)

- 2.1 Manage storage accounts
- 2.2 Manage data in Azure Storage
- 2.3 Configure Azure files and Azure blob storage



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3. Describe Security, Privacy, Compliance, and Trust (25-30%)

- 3.1 Describe securing network connectivity in Azure
- 3.2 Describe security tools and features of Azure
- 3.3 Describe Azure governance methodologies
- 3.4 Describe monitoring and reporting options in Azure
- 3.5 Describe privacy, compliance and data protection standards in Azure

4. Deploy and manage Azure compute resources (25-30%)

- 4.1 Configure VMs for high availability and scalability
- 4.2 Automate deployment and configuration of VMs
- 4.3 Create and configure containers
- 4.4 Create and configure Web Apps

5. Configure and manage virtual networking (30-35%)

- 5.1 Implement and manage virtual networking
- 5.2 Configure name resolution
- 5.3 Secure access to virtual networks
- 5.4 Configure load balancing
- 5.5 Monitor and troubleshoot virtual networking
- 5.6 Integrate an on-premises network with an Azure virtual network

6. Monitor and back up Azure resources (10-15%)

- 5.1 Monitor resources by using Azure Monitor
- 5.2 Implement backup and recovery