

AZ-900T01 Azure Fundamentals

1. Cloud Concepts

- 1.1 Understand the principles of cloud computing.
- 1.2 Benefits and considerations of using cloud services
- 1.3 Differences between Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS), and Software-as-a-Service (SaaS).

2. Core Azure Services

- 2.1 Overview of core Azure services and solutions.
- 2.2 Azure regions and availability zones.
- 2.3 Azure Resource Manager (ARM) and Azure Portal.

3. Azure Pricing, SLA, and Lifecycle

- 3.1 Azure pricing and Total Cost of Ownership (TCO).
- 3.2 Azure Service Level Agreements (SLA).
- 3.3 Azure service lifecycle and updates.

4. Azure Governance and Compliance

- 4.1 Azure policies and role-based access control (RBAC).

4.2 Azure Blueprints.

4.3 Azure compliance standards and certifications.

5. Azure Identity, Security, and Privacy

5.1 Azure Active Directory (Azure AD).

5.2 Multi-factor authentication (MFA).

5.3 Azure Security Centre and Azure Key Vault.

5.4 Azure privacy and data protection standards.

6. Azure Solutions

6.1 Overview of various Azure solutions and management tools.

6.2 Use cases for Azure solutions.

6.3 Azure Marketplace and Azure Advisor.

7. Azure Management Tools and Monitoring

7.1 Azure management tools, including Azure PowerShell and Azure CLI.

7.2 Azure Monitor and Azure Service Health.

7.3 Log Analytics and Application Insights.

8. Azure Migration and Data Transfer

8.1 Methods and tools for migrating to Azure.

8.2 Azure Data Box and Azure Content Delivery Network (CDN).

9. Azure Developer and DevOps Support

9.1 Azure DevOps and Azure DevTest Labs.

9.2 Application development and deployment in Azure.

9.3 Continuous integration and continuous deployment (CI/CD) in Azure.

10. Wrap-Up and Exam Preparation

10.1 Review of key concepts.

10.2 Tips for exam preparation.

10.3 Next steps and additional resources

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