

PRACTICE QUESTIONS

Microsoft

AZ-900

Microsoft Azure Fundamentals

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EDITION Free Set 1

QUESTIONS 10

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EXAM Microsoft AZ-900, Microsoft Azure Fundamentals

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1. Which Azure tool lets you estimate monthly costs for services you plan to deploy before you create them?

- A Azure Advisor
- B Azure Monitor
- C Azure Pricing Calculator
- D Azure Service Health

Answer: C

The Azure Pricing Calculator lets you configure planned services and see estimated costs before deployment. Azure Advisor reviews existing resources and recommends savings, so it is a tempting wrong answer. Azure Monitor and Azure Service Health report on running resources and service status.

2. Microsoft _____ for Cloud provides security posture management and threat protection for Azure and multicloud resources.

Answer: Defender (also accepted: Microsoft Defender)

Microsoft Defender for Cloud assesses configuration, produces a secure score, and offers threat detection for workloads. It is separate from Microsoft Sentinel, which is a SIEM for collecting and investigating security logs. Azure Policy enforces configuration rules rather than detecting threats.

3. Which cloud deployment model is operated only for one organization, either on premises or hosted by a third party?

- A Public cloud
- B Hybrid cloud
- C Multi-cloud
- D Private cloud

Answer: D

A private cloud serves a single organization, whether it is hosted in its own datacenter or by a third party. A public cloud shares infrastructure among many customers, which is the most common confusion with the third-party hosting case. Hybrid and multi-cloud both involve more than one environment.

4. Consumption-based pricing means you pay a fixed monthly fee regardless of how many resources you use.
- A True
 - B False

Answer: B (False)

Consumption-based pricing charges for the resources and usage you actually consume, which is the opposite of a fixed fee. Fixed-fee arrangements are closer to reserved capacity or licensing. Matching cost to usage is one of the main financial benefits of cloud computing.

5. Which two actions help control cloud spending in Azure? (Choose two.)
- A Leaving unused virtual machines running
 - B Setting budgets and alerts in Cost Management
 - C Choosing the largest virtual machine size by default
 - D Disabling tags on resources
 - E Purchasing reserved instances for steady, predictable workloads

Answer: B, E

Cost Management budgets notify you when spending approaches a limit, and reserved instances give lower rates for a one- or three-year commitment on steady workloads. Leaving idle machines running and oversizing by default both increase cost. Tags are what make cost reports useful, so disabling them works against control.

6. Which Azure service creates an encrypted tunnel over the public internet between an on-premises network and an Azure virtual network?
- A VPN Gateway
 - B Azure Bastion
 - C Azure Front Door
 - D Azure Load Balancer

Answer: A

VPN Gateway provides site-to-site IPsec/IKE tunnels across the public internet to connect networks. Azure Bastion gives browser-based remote access to individual virtual machines, not network-to-network connectivity. Azure Front Door and Azure Load Balancer distribute application traffic and do not build site-to-site tunnels.

7. Which Azure feature assigns a built-in role such as Reader to a user at the scope of a single resource group?

- A Azure Policy
- B Role-based access control (RBAC)
- C Resource locks
- D Tags

Answer: B

Azure role-based access control assigns roles such as Reader, Contributor, or Owner to a principal at a chosen scope, including a resource group. Azure Policy checks whether resources comply with rules, and it does not grant anyone access. Resource locks prevent deletion or changes, and tags only label resources.

8. Azure _____ locks prevent accidental deletion or modification of a resource, and the two lock levels are CanNotDelete and ReadOnly.

Answer: resource

Resource locks apply at the subscription, resource group, or resource scope and are enforced even for users with Owner rights until the lock is removed. CanNotDelete allows changes but blocks deletion, while ReadOnly blocks both. Locks are not the same as Azure Policy, which evaluates compliance rules.

9. Which Azure storage option provides block storage that attaches to a single virtual machine as its operating system or data disk?

- A Azure Blob Storage
- B Azure Files
- C Azure managed disks
- D Azure Queue Storage

Answer: C

Azure managed disks are block storage volumes attached to virtual machines, and the operating system disk is one of them. Blob Storage is object storage accessed over HTTP, which is tempting for files but cannot serve as a VM disk. Azure Files provides shared file shares, and Queue Storage holds messages.

10. Which Azure service collects security events across an environment and provides cloud-native threat detection and investigation as a SIEM?
- A Azure Monitor
 - B Azure Advisor
 - C Azure Backup
 - D Microsoft Sentinel

Answer: D

Microsoft Sentinel is a cloud-native security information and event management service with analytics rules, incidents, and automated response. Azure Monitor collects general operational telemetry, which makes it the most tempting wrong answer. Azure Advisor gives recommendations and Azure Backup protects data.