

PRACTICE QUESTIONS

Microsoft

AZ-305

Designing Microsoft Azure Infrastructure Solutions

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EDITION	Free Set 1
QUESTIONS	10
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EXAM	Microsoft AZ-305, Designing Microsoft Azure Infrastructure Solutions

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10 practice questions for the Microsoft AZ-305 exam, Designing Microsoft Azure Infrastructure Solutions, each followed by its answer and a short explanation. More free sets and the full practice exam:

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1. Which Azure service shows health events and planned maintenance that affect the resources in your subscriptions?

- A** Azure Advisor recommendations
- B** Azure Cost Management budgets
- C** Azure Service Health
- D** Azure Policy compliance

Answer: C

Azure Service Health reports incidents, planned maintenance and health advisories that affect your subscriptions and regions. Advisor gives optimization recommendations, Cost Management tracks spend, and Policy evaluates compliance.

2. Blobs that are read less than once a month but need immediate retrieval belong in the _____ access tier.

Answer: Cool

Cool is designed for data accessed infrequently that still needs immediate retrieval, with a 30-day minimum retention. Archive is offline, and Hot is for frequent access.

3. Compliance requires that backups cannot be deleted for 90 days, even by an administrator with full rights. Which Azure Backup capability meets this?

- A** Lifecycle management rules on the backup container
- B** An Azure Advisor recommendation
- C** A CanNotDelete lock on the virtual machine
- D** An immutable vault with locked retention

Answer: D

An immutable vault prevents backup data from being deleted or altered during the retention period, even by administrators. A lock on the VM protects the VM itself and does not protect backup data, which is the tempting wrong answer.

4. Azure Disk Backup stores its recovery points in a Recovery Services vault.

- A True
- B False

Answer: B (False)

Azure Disk Backup uses a Backup vault, while the Recovery Services vault serves workloads such as Azure VMs and SQL Server in VMs. Mixing up the two vault types is a common trap.

5. Which two features provide resilience against the failure of a single datacenter within a region? (Choose two.)

- A Availability sets within one datacenter
- B Zone-redundant storage (ZRS) for storage accounts
- C Azure Advisor
- D Availability zones for virtual machines
- E Resource locks

Answer: B, D

ZRS and availability zones both place copies or VMs in separate datacenters within the region. Availability sets only spread VMs across fault domains inside one datacenter, which is the tempting wrong answer, and Advisor and locks do not provide redundancy.

6. A company wants to manage on-premises servers from Azure, applying Azure Policy and Defender to them. Which service should be included?

- A Azure Arc-enabled servers
- B Azure Bastion remote access
- C Azure Traffic Manager DNS routing
- D Azure Site Recovery replication

Answer: A

Azure Arc-enabled servers project on-premises servers into Azure so policies, tags and Defender can manage them. Bastion connects to Azure VMs, Traffic Manager routes DNS requests, and Site Recovery is for disaster recovery replication.

7. A workload running in AKS must access a storage account without managing secrets. Which identity design should you recommend?
- A A SAS token stored in a ConfigMap
 - B Workload identity federation with a managed identity
 - C A storage account key stored in a Kubernetes secret object
 - D A local user account on each node

Answer: B

Workload identity federation lets a Kubernetes service account exchange its token for a Microsoft Entra token tied to a managed identity, so no secret is stored. Keys and SAS tokens in cluster objects are stored credentials, which the question rules out.

8. The recovery point objective measures the maximum tolerable amount of _____ after an outage.

Answer: data loss (also accepted: data, loss)

The RPO is the maximum acceptable age of data restored after an outage, which is the same as the maximum tolerable data loss. The RTO is the time to restore service, which is a different measure.

9. Which tool should a team use to enforce that every new resource has a CostCenter tag, with existing resources remediated?
- A Azure Advisor with a tagging recommendation rule
 - B A CanNotDelete resource lock
 - C Azure Policy with Modify effect and remediation
 - D Azure Bastion with a tagging script

Answer: C

The Modify effect adds or changes tags on new resources, and remediation tasks fix existing resources. Advisor only recommends, a lock prevents changes, and Bastion provides admin access to VMs.

10. Which Entra ID capability should be used to review and remove standing access on a schedule?
- A Azure Cost Management budgets
 - B Azure Advisor reliability recommendations
 - C Azure Backup retention policies
 - D Access reviews in Entra ID Governance

Answer: D

Access reviews let a reviewer confirm or remove access to groups, apps and roles on a recurring schedule. Cost Management, Advisor and Backup do not review identity access.