



AZ-305^{Q&As}

Designing Microsoft Azure Infrastructure Solutions

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**QUESTION 1**

You are designing an Azure governance solution.

All Azure resources must be easily identifiable based on the following operational information:

environment, owner, department, and cost center.

You need to ensure that you can use the operational information when you generate reports for the Azure resources.

What should you include in the solution?

- A. an Azure data catalog that uses the Azure REST API as a data source
- B. Azure Active Directory (Azure AD) administrative units
- C. an Azure management group that uses parent groups to create a hierarchy
- D. an Azure policy that enforces tagging rules

Correct Answer: D

You use Azure Policy to enforce tagging rules and conventions. By creating a policy, you avoid the scenario of resources being deployed to your subscription that don't have the expected tags for your organization. Instead of manually applying tags or searching for resources that aren't compliant, you create a policy that automatically applies the needed tags during deployment.

Note: Organizing cloud-based resources is a crucial task for IT, unless you only have simple deployments. Use naming and tagging standards to organize your resources for these reasons:

Resource management: Your IT teams will need to quickly locate resources associated with specific workloads, environments, ownership groups, or other important information. Organizing resources is critical to assigning organizational roles

and access permissions for resource management.

Reference:

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/decision-guides/resource-tagging>

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/tag-policies>

QUESTION 2

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are making use of Azure technologies to design a workflow solution.

You need to make sure that Visual Studio can be used to debug the solution.

Solution: You should make use of Logic Apps.



Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 3

HOTSPOT

You have an Azure subscription.

You need to deploy a relational database.

The solution must meet the following requirements:

1.

Support multiple read-only replicas.

2.

Automatically load balance read-only requests across all the read-only replicas.

3.

Minimize administrative effort

What should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Service:

A single Azure SQL database
An Azure SQL Database elastic pool
Azure SQL Managed instances

Service tier:

Business Critical
Hyperscale
Premium

Correct Answer:

Service:

A single Azure SQL database
An Azure SQL Database elastic pool
Azure SQL Managed instances

Service tier:

Business Critical
Hyperscale
Premium

QUESTION 4



You have SQL Server on an Azure virtual machine. The databases are written to nightly as part of a batch process. You need to recommend a disaster recovery solution for the data. The solution must meet the following requirements:

1.
Provide the ability to recover in the event of a regional outage. Support a recovery time objective (RTO) of 15 minutes.
2.
Support a recovery point objective (RPO) of 24 hours.
3.
Support automated recovery.
4.
Minimize costs.

What should you include in the recommendation?

- A. Azure virtual machine availability sets
- B. Azure Disk Backup
- C. an Always On availability group
- D. Azure Site Recovery

Correct Answer: D

Replication with Azure Site Recover:

RTO is typically less than 15 minutes.

RPO: One hour for application consistency and five minutes for crash consistency.

Reference:

<https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-sql>

QUESTION 5

You have an Azure Active Directory (Azure AD) tenant that syncs with an on-premises Active Directory domain.

You have an internal web app named WebApp1 that is hosted on-premises. WebApp1 uses Integrated Windows authentication.

Some users work remotely and do NOT have VPN access to the on-premises network.

You need to provide the remote users with single sign-on (SSO) access to WebApp1.

Which two features should you include in the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.



- A. Azure AD Application Proxy
- B. Azure AD Privileged Identity Management (PIM)
- C. Conditional Access policies
- D. Azure Arc
- E. Azure AD enterprise applications
- F. Azure Application Gateway

Correct Answer: AC

A: Application Proxy is a feature of Azure AD that enables users to access on-premises web applications from a remote client. Application Proxy includes both the Application Proxy service which runs in the cloud, and the Application Proxy connector which runs on an on-premises server.

You can configure single sign-on to an Application Proxy application.

C: Microsoft recommends using Application Proxy with pre-authentication and Conditional Access policies for remote access from the internet. An approach to provide Conditional Access for intranet use is to modernize applications so they

can directly authenticate with AAD.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/app-proxy/application-proxy-config-ssso-how-to>

<https://docs.microsoft.com/en-us/azure/active-directory/app-proxy/application-proxy-deployment-plan>

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