



AZ-304^{Q&As}

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QUESTION 1

You have an Azure subscription that contains a custom application named Application1. The application was developed by an external company named Fabric, Ltd. Developers at Fabricam were assigned role-based access control (RBAC) permissions to the Application1 components. All users are licensed for the Microsoft 365 E5 plan. You need to recommend a solution to verify whether the Fabricam developers still require permissions to Application1. The solution must meet the following requirements.

*

To the manager of the developers, send a monthly email message that lists the access permissions to Application1.

*

If the manager does not verify access permission, automatically revoke that permission.

*

Minimize development effort. What should you recommend?

A.

Create an Azure Automation runbook that runs the Get-AzureADUserAppRoleAssignment cmdlet.

B.

In Azure Active Directory (Azure AD) create an access review of Application1.

C.

In Azure Active Directory (AD) Privileged Identity Management, create a custom role assignment for the Application1 resources.

D.

Create an Azure Automation runbook that runs the Get-AzureADRolesAssigned cmdlet.

Correct Answer: A

QUESTION 2

HOTSPOT

You need to design a solution for securing access to the historical transaction data.

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

NOTE: Each correct selection is worth one point.

Hot Area:



The Azure Cosmos DB account will be used to:

▼
Create users and generate resource tokens
Create users and request resource tokens
Generate resource tokens and perform authentication
Request resource tokens and perform authentication

The .NET web service will be used to:

▼
Create users and generate resource tokens
Create users and request resource tokens
Generate resource tokens and perform authentication
Request resource tokens and perform authentication

Correct Answer:



The Azure Cosmos DB account will be used to:

Create users and generate resource tokens
Create users and request resource tokens
Generate resource tokens and perform authentication
Request resource tokens and perform authentication

The .NET web service will be used to:

Create users and generate resource tokens
Create users and request resource tokens
Generate resource tokens and perform authentication
Request resource tokens and perform authentication

QUESTION 3

Your company purchases an app named App1.

You need to recommend a solution to ensure that App1 can read and modify access reviews.

What should you recommend?

- A. From API Management services, publish the API of App1, and then delegate permissions to the Microsoft Graph API.
- B. From API Management services, publish the API of App1. From the Access control (IAM) blade, delegate permissions.
- C. From the Azure Active Directory admin center, register App1, and then delegate permissions to the Microsoft Graph API.
- D. From the Azure Active Directory admin center, register App1. From the Access control (IAM) blade, delegate permissions.

Correct Answer: D

The app must be registered. You can register the application in the Azure Active Directory admin center.



The Azure AD access reviews feature has an API in the Microsoft Graph endpoint.

You can register an Azure AD application and set it up for permissions to call the access reviews API in Graph.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/develop/quickstart-register-app>

QUESTION 4

HOTSPOT

Your company has two on-premises sites in New York and Los Angeles and Azure virtual networks in the East US Azure region and the West US Azure region. Each on-premises site has Azure ExpressRoute circuits to both regions.

You need to recommend a solution that meets the following requirements:

1.
Outbound traffic to the Internet from workloads hosted on the virtual networks must be routed through the closest available on-premises site.

2.
If an on-premises site fails, traffic from the workloads on the virtual networks to the Internet must reroute automatically to the other site.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Routing from the virtual networks to the on-premises locations must be configured by using:

	▼
<input type="checkbox"/>	Azure default routes
<input type="checkbox"/>	Border Gateway Protocol (BGP)
<input type="checkbox"/>	User-defined routes

The automatic routing configuration following a failover must be handled by using:

	▼
<input type="checkbox"/>	Border Gateway Protocol (BGP)
<input type="checkbox"/>	Hot Standby Routing Protocol (HSRP)
<input type="checkbox"/>	Virtual Router Redundancy Protocol (VRRP)

Correct Answer:



Routing from the virtual networks to the on-premises locations must be configured by using:

	▼
Azure default routes	
Border Gateway Protocol (BGP)	
User-defined routes	

The automatic routing configuration following a failover must be handled by using:

	▼
Border Gateway Protocol (BGP)	
Hot Standby Routing Protocol (HSRP)	
Virtual Router Redundancy Protocol (VRRP)	

QUESTION 5

HOTSPOT You have an existing implementation of Microsoft SQL Server Integration Services (SSIS) packages stored in an SSISDB catalog on your on-premises network. The on-premises network does not have hybrid connectivity to Azure by using Site-to-Site VPN or ExpressRoute. You want to migrate the packages to Azure Data Factory. You need to recommend a solution that facilitates the migration while minimizing changes to the existing packages. The solution must minimize costs.

What should you recommend? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Store the SSISDB catalog by using:

	▼
Azure SQL Database	
Azure Synapse Analytics	
SQL Server on an Azure virtual machine	
SQL Server on an on-premises computer	

Implement a runtime engine for package execution by using:

	▼
Self-hosted integration runtime only	
Azure-SQL Server Integration Services Integration Runtime (IR) only	
Azure-SQL Server Integration Services Integration Runtime and self-hosted integration runtime	

Correct Answer:



Store the SSISDB catalog by using:

Azure SQL Database
Azure Synapse Analytics
SQL Server on an Azure virtual machine
SQL Server on an on-premises computer

Implement a runtime engine for package execution by using:

Self-hosted integration runtime only
Azure-SQL Server Integration Services Integration Runtime (IR) only
Azure-SQL Server Integration Services Integration Runtime and self-hosted integration runtime

Box 1: Azure SQL database

You can't create the SSISDB Catalog database on Azure SQL Database at this time independently of creating the Azure-SSIS Integration Runtime in Azure Data Factory. The Azure-SSIS IR is the runtime environment that runs SSIS packages on Azure.

Box 2: Azure-SQL Server Integration Service Integration Runtime and self-hosted integration runtime The Integration Runtime (IR) is the compute infrastructure used by Azure Data Factory to provide data integration capabilities across

different network environments. Azure-SSIS Integration Runtime (IR) in Azure Data Factory (ADF) supports running SSIS packages. Self-hosted integration runtime can be used for data movement in this scenario.

Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/create-azure-integration-runtime> <https://docs.microsoft.com/en-us/sql/integration-services/lift-shift/ssis-azure-connect-to-catalog-database>

QUESTION 6

Note: This question is a part of series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while

others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your company has deployed several virtual machines (VMs) on-premises and to Azure. Azure ExpressRoute has been deployed and configured for on-premises to Azure connectivity.

Several VMs are exhibiting network connectivity issues.

You need to analyze the network traffic to determine whether packets are being allowed or denied to the VMs.

Solution: Install and configure the Log Analytics and Dependency Agents on all VMs. Use the Wire Data solution in Azure Log Analytics to analyze the network traffic.

Does the solution meet the goal?



A. Yes

B. No

Correct Answer: B

Instead use Azure Network Watcher to run IP flow verify to analyze the network traffic.

Reference: <https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-monitoring-overview>
<https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-ip-flow-verify-overview>

QUESTION 7

You plan to deploy a payroll system to Azure. The payroll system will use Azure virtual machines that run SUSE Linux Enterprise Server and Windows. You need to recommend a business continuity solution for the payroll system. The solution must meet the following requirements:

1.
Minimize costs.
2.
Provide business continuity if an Azure region fails.
3.
Provide a recovery time objective (RTO) of 120 minutes.
4.
Provide a recovery point objective (RPO) of five minutes. What should you include in the recommendation?
 - A. Microsoft System Center Data Protection Manager (DPM)
 - B. Azure Site Recovery
 - C. unmanaged disks that use geo-redundant storage (GRS)
 - D. Azure Backup

Correct Answer: C

If your storage account has GRS enabled, then your data is durable even in the case of a complete regional outage or a disaster in which the primary region isn't recoverable.

Note: The recovery time objective (RTO) is the targeted duration of time and a service level within which a business process must be restored after a disaster (or disruption) in order to avoid unacceptable consequences associated with a

break in business continuity.

Incorrect Answers:

B: Azure Site Recovery would not protect against an Azure region failure. Azure Site Recovery guarantees a two-hour



Recovery Time Objective. Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy-grs> https://azure.microsoft.com/en-us/support/legal/sla/site-recovery/v1_0/

QUESTION 8

You need to recommend a solution for protecting the content of the back-end tier of the payment processing system. What should you include in the recommendations?

- A. Always Encrypted with deterministic encryption
- B. Transparent Data Encryption (TDE)
- C. Azure Storage Service Encryption
- D. Always Encrypted with randomized encryption

Correct Answer: A

QUESTION 9

You plan to run an image rendering workload in Azure. The workload uses parallel compute processes.

What is the best service to use to run the workload? More than one answer choice may achieve the goal. Select the BEST answer.

- A. an Azure virtual machine scale set
- B. Azure Kubernetes Service (AKS)
- C. Azure Batch
- D. Azure Container Service

Correct Answer: C

Azure Batch works well with intrinsically parallel (also known as "embarrassingly parallel") workloads. Intrinsically parallel workloads are those where the applications can run independently, and each instance completes part of the work. When the applications are executing, they might access some common data, but they do not communicate with other instances of the application. Intrinsically parallel workloads can therefore run at a large scale, determined by the amount of compute resources available to run applications simultaneously.

Reference: <https://docs.microsoft.com/en-us/azure/batch/batch-technical-overview>

QUESTION 10

You have an Azure subscription that is linked to an Azure Active Directory (Azure AD) tenant. The subscription contains 10 resource groups, one for each department at your company. Each department has a specific spending limit for its



Azure resources.

You need to ensure that when a department reaches its spending limit, the compute resources of the department shut down automatically.

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 Logic Apps
- B. Azure Monitor alerts
- C. the spending limit of an Azure account
- D. Cost Management budgets
- E. Azure Log Analytics alerts

Correct Answer: CD

C: The spending limit in Azure prevents spending over your credit amount. All new customers who sign up for an Azure free account or subscription types that include credits over multiple months have the spending limit turned on by default. The spending limit is equal to the amount of credit and it can't be changed.

D: Turn on the spending limit after removing This feature is available only when the spending limit has been removed indefinitely for subscription types that include credits over multiple months. You can use this feature to turn on your spending limit automatically at the start of the next billing period.

Sign in to the Azure portal as the Account Administrator.

Search for Cost Management + Billing.

Etc.

Reference: <https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/spending-limit>

QUESTION 11

Note: This question is a part of series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure subscription that contains a resource group named RG1.

You create an Azure Active Directory (Azure AD) group named ResearchUsers that contains the user accounts of all researchers.

You need to recommend a solution that meets the following requirements:

1.

The researchers must be allowed to create Azure virtual machines.



2.

The researchers must only be able to create Azure virtual machines by using specific Azure Resource Manager templates.

Solution: Create an Azure DevOps Project. Configure the DevOps Project settings.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

Instead: On RG1, assign the Contributor role to the ResearchUsers group. Create a custom Azure Policy definition and assign the policy to RG1.

QUESTION 12

You plan to deploy 200 Microsoft SQL Server databases to Azure by using Azure SQL Database and Azure SQL Database Managed Instance.

You need to recommend a monitoring solution that provides a consistent monitoring approach for all deployments. The solution must meet the following requirements:

1.

Support current-state analysis based on metrics collected near real-time, multiple times per minute, and maintained for up to one hour

2.

Support longer term analysis based on metrics collected multiple times per hour and maintained for up to two weeks.

3.

Support monitoring of the number of concurrent logins and concurrent sessions. What should you include in the recommendation?

A. dynamic management views

B. trace flags

C. Azure Monitor

D. SQL Server Profiler

Correct Answer: C



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