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**QUESTION 1**

You are designing a microservices architecture that will use Azure Kubernetes Service (AKS) to host pods that run containers. Each pod deployment will host a separate API. Each API will be implemented as a separate service.

You need to recommend a solution to make the APIs available to external users from Azure API Management. The solution must meet the following requirements:

1.

Control access to the APIs by using mutual TLS authentication between API Management and the AKS-based APIs.

2.

Provide access to the APIs by using a single IP address.

What should you recommend to provide access to the APIs?

- A. custom network security groups (NSGs)
- B. the LoadBalancer service in AKS
- C. the Ingress Controller in AKS

Correct Answer: C

An ingress controller is a piece of software that provides reverse proxy, configurable traffic routing, and TLS termination for Kubernetes services. Kubernetes ingress resources are used to configure the ingress rules and routes for individual Kubernetes services. Using an ingress controller and ingress rules, a single IP address can be used to route traffic to multiple services in a Kubernetes cluster.

Reference: <https://docs.microsoft.com/en-us/azure/aks/ingress-basic>

QUESTION 2

A company named Contoso, Ltd. has an Azure Active Directory (Azure AD) tenant that is integrated with Microsoft Office 365 and an Azure subscription.

Contoso has an on-premises identity infrastructure. The infrastructure includes servers that run Active Directory Domain Services (AD DS), Active Directory Federation Services (AD FS), Azure AD Connect, and Microsoft Identity Manager (MIM).

Contoso has a partnership with a company named Fabrikam, Inc. Fabrikam has an Active Directory forest and an Office 365 tenant. Fabrikam has the same on-premises identity infrastructure as Contoso.

A team of 10 developers from Fabrikam will work on an Azure solution that will be hosted in the Azure subscription of Contoso. The developers must be added to the Contributor role for a resource in the Contoso subscription.

You need to recommend a solution to ensure that Contoso can assign the role to the 10 Fabrikam developers. The solution must ensure that the Fabrikam developers use their existing credentials to access resources.

What should you recommend?



- A. Configure an AD FS claims provider trust between the AD FS infrastructures of Fabrikam and Contoso.
- B. In the Azure AD tenant of Contoso, enable Azure Active Directory Domain Services (Azure AD DS). Create a one-way forest trust that uses selective authentication between the Active Directory forests of Contoso and Fabrikam.
- C. In the Azure AD tenant of Contoso, create guest accounts for the Fabrikam developers.
- D. In the Azure AD tenant of Contoso, create cloud-only user accounts for the Fabrikam developers.

Correct Answer: B

Trust configurations - Configure trust from managed forests(s) or domain(s) to the administrative forest

*

A one-way trust is required from production environment to the admin forest.

*

Selective authentication should be used to restrict accounts in the admin forest to only logging on to the appropriate production hosts. Reference: <https://docs.microsoft.com/en-us/windows-server/identity/securing-privileged-access/securing-privileged-access-reference-material>

QUESTION 3

You have an Azure subscription. The subscription has a blob container that contains multiple blobs.

Ten users in the finance department of your company plan to access the blobs during the month of April.

You need to recommend a solution to enable access to the blobs during the month of April only.

Which security solution should you include in the recommendation?

- A. shared access signatures (SAS)
- B. access keys
- C. conditional access policies
- D. certificates

Correct Answer: A

Reference: <https://docs.microsoft.com/en-us/azure/storage/common/storage-sas-overview>

QUESTION 4

You develop a new Azure Web App that uses multiple Azure blobs and static content. The Web App uses a large number of JavaScript files and cascading style sheets. Some of these files contain references to other files. Users are geographically dispersed.

You need to minimize the time to load individual pages.



What should you do?

- A. Migrate the Web App to Azure Service Fabric
- B. Use an Azure Content Delivery Network (CDN)
- C. Implement an Azure Redis Cache
- D. Create a services layer by using an Azure-hosted ASP.NET web API
- E. Enable the Always On feature of the Web App

Correct Answer: B

QUESTION 5

You are designing a SQL database solution. The solution will include 20 databases that will be 20 GB each and have varying usage patterns. You need to recommend a database platform to host the databases. The solution must meet the following requirements:

1.

The compute resources allocated to the databases must scale dynamically.

2.

The solution must meet an SLA of 99.99% uptime.

3.

The solution must have reserved capacity.

4.

Compute charges must be minimized. What should you include in the recommendation?

- A. 20 databases on a Microsoft SQL server that runs on an Azure virtual machine
- B. 20 instances of Azure SQL Database serverless
- C. 20 databases on a Microsoft SQL server that runs on an Azure virtual machine in an availability set
- D. an elastic pool that contains 20 Azure SQL databases

Correct Answer: D

Azure SQL Database elastic pools are a simple, cost-effective solution for managing and scaling multiple databases that have varying and unpredictable usage demands. The databases in an elastic pool are on a single server and share a set number of resources at a set price. Elastic pools in Azure SQL Database enable SaaS developers to optimize the price performance for a group of databases within a prescribed budget while delivering performance elasticity for each database.

Guaranteed 99.995 percent uptime for SQL Database

Reference: <https://docs.microsoft.com/en-us/azure/azure-sql/database/elastic-pool-overview>



<https://azure.microsoft.com/en-us/pricing/details/sql-database/elastic/>

QUESTION 6

You need to recommend a backup solution for the data store of the payment processing. What should you include in the recommendation?

- A. Microsoft System Center Data Protection Manager (DPM)
- B. long-term retention
- C. a Recovery Services vault
- D. Azure Backup Server

Correct Answer: B

References: <https://docs.microsoft.com/en-us/azure/sql-database/sql-database-long-term-backup-retentionconfigure>

QUESTION 7

You need to recommend a backup solution for the data store of the payment processing system.

What should you include in the recommendation?

- A. Microsoft System Center Data Protection Manager (DPM)
- B. Azure Backup Server
- C. Azure SQL long-term backup retention
- D. Azure Managed Disks

Correct Answer: C

Reference: <https://docs.microsoft.com/en-us/azure/sql-database/sql-database-long-term-backup-retention-configure>

QUESTION 8

Note: This question is part of a 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 an on-premises Active Directory Domain Services (AD DS) domain and an established Azure Active Directory (Azure AD) environment.



Your company would like users to be automatically signed in to cloud apps when they are on their corporate desktops that are connected to the corporate network.

You need to enable single sign-on (SSO) for company users.

Solution: Install and configure an on-premises Active Directory Federation Services (AD FS) server and establish federation with Azure AD.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

Seamless SSO is not applicable to Active Directory Federation Services (ADFS). Instead install and configure an Azure AD Connect server.

Reference: <https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-ss0>

QUESTION 9

HOTSPOT

You plan to deploy the backup policy shown in the following exhibit.



Policy1

☰ Associated items Delete Save Discard

Backup schedule

* Frequency * Time * Timezone

Daily 6:00 PM (UTC) Coordinated Univer...

Instant Restore ⓘ

Retain instant recovery snapshot(s) for

3 Day(s) ⓘ

Retention range

Retention of daily backup point.

* At For

6:00 PM 90 Day(s)

Retention of weekly backup point.

* On * At For

Monday 6:00 PM 26 Week(s)

Retention of monthly backup point.

Week Based Day Based

* On * Day * At For

First Sunday 6:00 PM 35 Month(s)

Retention of yearly backup point.

Not Configured

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic. NOTE: Each correct selection is worth one point.

You plan to deploy the backup policy shown in the following exhibit.



Hot Area:

Virtual machines that are backed up using the policy can be recovered for up to a maximum of **[answer choice]**.

	▼
90 days	
26 weeks	
36 months	
45 months	

The minimum recovery point objective (RPO) for virtual machines that are backed up by using the policy is **[answer choice]**.

	▼
1 hour	
1 day	
1 week	
1 month	
1 year	

Correct Answer:

Virtual machines that are backed up using the policy can be recovered for up to a maximum of **[answer choice]**.

	▼
90 days	
26 weeks	
36 months	
45 months	

The minimum recovery point objective (RPO) for virtual machines that are backed up by using the policy is **[answer choice]**.

	▼
1 hour	
1 day	
1 week	
1 month	
1 year	

QUESTION 10

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 named Project1. Only a group named Project1admins is assigned roles in the Project1 subscription. The Project1 subscription contains all the resources for an application named Application1.

Your company is developing a new application named Application2. The members of the Application2 development team belong to an Azure Active Directory (Azure AD) group named App2Dev.

You identify the following requirements for Application2:

1.

The members of App2Dev must be prevented from changing the role assignments in Azure.

2.

The members of App2Dev must be able to create new Azure resources required by Application2.

3.

All the required role assignments for Application2 will be performed by the members of Project1admins.

You need to recommend a solution for the role assignments of Application2.

Solution: In Project1, create a resource group named Application2RG. Assign Project1admins the Owner role for Application2RG. Assign App2Dev the Contributor role for Application2RG.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

You should use a separate subscription for Project2.

QUESTION 11

Note: This question is part of a 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 on-premises Hyper-V cluster that hosts 20 virtual machines. Some virtual machines run Windows Server 2016 and some run Linux. You plan to migrate the virtual machines to an Azure subscription.

You need to recommend a solution to replicate the disks of the virtual machines to Azure. The solution must ensure that



the virtual machines remain available during the migration of the disks.

Solution: You recommend implementing an Azure Storage account, and then using Azure Migrate.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

To ensure that the virtual machines remain available during the migration, use Azure Site Recovery.

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

QUESTION 12

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:

<input type="checkbox"/>	Azure SQL Database
<input type="checkbox"/>	Azure Synapse Analytics
<input type="checkbox"/>	SQL Server on an Azure virtual machine
<input type="checkbox"/>	SQL Server on an on-premises computer

Implement a runtime engine for package execution by using:

<input type="checkbox"/>	Self-hosted integration runtime only
<input type="checkbox"/>	Azure-SQL Server Integration Services Integration Runtime (IR) only
<input type="checkbox"/>	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 13

HOTSPOT

Your company has the divisions shown in the following table.

Division	Azure subscription	Azure Active Directory (Azure AD) tenant
East	Sub1, Sub2	East.contoso.com
West	Sub3, Sub4	West.contoso.com

You plan to deploy a custom application to each subscription. The application will contain the following:

1. A resource group
2. An Azure web app



3.

Custom role assignments

4.

An Azure Cosmos DB account

You need to use Azure Blueprints to deploy the application to each subscription. What is the minimum number of objects required to deploy the application? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Management groups: ▼

1
2
3
4

Blueprint definitions: ▼

1
2
3
4

Blueprint assignments: ▼

1
2
3
4

Correct Answer:



Management groups:

1
2
3
4

Blueprint definitions:

1
2
3
4

Blueprint assignments:

1
2
3
4

Box 1: 2

One management group for East, and one for West.

When creating a blueprint definition, you'll define where the blueprint is saved. Blueprints can be saved to a management group or subscription that you have Contributor access to. If the location is a management group, the blueprint is

available to assign to any child subscription of that management group.

Box 2: 1

One definition as the you plan to deploy a custom application to each subscription. With Azure Blueprints, the relationship between the blueprint definition (what should be deployed) and the blueprint assignment (what was deployed) is

preserved.

Box 3: 4

One assignment for each subscription.

Reference:

<https://docs.microsoft.com/en-us/azure/governance/blueprints/overview>

**QUESTION 14**

Your company uses Microsoft System Center Service Manager on its on-premises network.

You plan to deploy several services to Azure.

You need to recommend a solution to push Azure service health alerts to Service Manager.

What should you include in the recommendation?

- A. Azure Notification Hubs
- B. Azure Event Hubs
- C. IT Service Management Connector (ITSM)
- D. Application Insights Connector

Correct Answer: C

Reference: <https://docs.microsoft.com/en-us/azure/azure-monitor/platform/itsmc-overview>

QUESTION 15

You need to identify the maximum amount of data loss that can occur if a virtual machine fails over to another region.

What should you identify?

NOTE: To answer this question, sign in to the Azure portal and explore the Azure resource groups.

1.
data from the past 24 hours
2.
data from the past four hours
3.
data from the past eight hours
4.
data from the past two hours

Correct Answer:

Need to check which the oldest recovery point that you can use.

We can do this by checking the retention window of the replication policy.

Reference:

<https://docs.microsoft.com/en-us/azure/site-recovery/azure-to-azure-common-questions>



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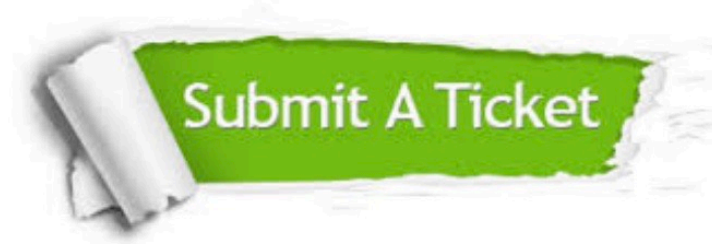
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