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NEW QUESTION: 1

You have five .NET Core applications that run on 10 Azure virtual machines in the same subscription.

You need to recommend a solution to ensure that the applications can authenticate by using the same Azure Active Directory (Azure AD) identity. The solution must meet the following requirements:

Ensure that the applications can authenticate only when running on the 10 virtual machines.

Minimize administrative effort.

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.

Answer:

NEW QUESTION: 2

A company has an existing web application that runs on virtual machines (VMs) in Azure.

You need to ensure that the application is protected from SQL injection attempts and uses a layer-7 load balancer. The solution must minimize disruption to the code for the existing web application.

What should you recommend? To answer, drag the appropriate values to the correct items. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Box 1: Azure Application Gateway

Azure Application Gateway provides an application delivery controller (ADC) as a service. It offers various layer 7 load-balancing capabilities for your applications.

Box 2: Web Application Firewall (WAF)

Application Gateway web application firewall (WAF) protects web applications from common vulnerabilities and exploits.

This is done through rules that are defined based on the OWASP core rule sets 3.0 or 2.2.9.

There are rules that detects SQL injection attacks.

References:

<https://docs.microsoft.com/en-us/azure/application-gateway/application-gateway-faq>

<https://docs.microsoft.com/en-us/azure/application-gateway/waf-overview>

NEW QUESTION: 3

You have a virtual machine scale set named SS1.

You configure autoscaling as shown in the following exhibit.

You configure the scale out and scale in rules to have a duration of 10 minutes and a cool down time of 10 minutes.

Use the drop-down menus to select the answer choice that answers each question based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Box 1: 20 Minutes. 10 minutes cool down time after the last scale-up plus 10 minutes duration equals 20 minutes.

Box 2: 9 virtual machines. 30% does not match the scale in requirement of less than 25% so the number of virtual machines will not change.

NEW QUESTION: 4

You plan to deploy a network-intensive application to several Azure virtual machines.

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

Minimizes the use of the virtual machine processors to transfer data

Minimizes network latency

Which virtual machine size and feature should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sizes-hpc#h-series>

NEW QUESTION: 5

You are designing a storage solution that will use Azure Blob storage. The data will be stored in a cool access tier or an archive access tier based on the access patterns of the data.

You identify the following types of infrequently accessed data:

- * Telemetry data: Deleted after two years
- * Promotional material: Deleted after 14 days
- * Virtual machine audit data: Deleted after 200 days

A colleague recommends using the archive access tier to store the data.

Which statement accurately describes the recommendation?

- A.** Storage costs will be based on a minimum of 30 days.
- B.** Access to the data is guaranteed within five minutes.
- C.** Access to the data is guaranteed within 30 minutes.
- D.** Storage costs will be based on a minimum of 180 days.

Answer: (SHOW ANSWER)

The following table shows a comparison of premium performance block blob storage, and the hot, cool, and archive access tiers.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers> Design Business Continuity Testlet 2 Case Study This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview

Contoso, Ltd, is a US-based financial services company that has a main office in New York and a branch office in San Francisco.

Existing Environment. Payment Processing System

Contoso hosts a business-critical payment processing system in its New York data center. The system has three tiers: a front-end web app, a middle-tier web API, and a back-end data store

implemented as a Microsoft SQL Server 2014 database. All servers run Windows Server 2012 R2.

The front-end and middle-tier components are hosted by using Microsoft Internet Information Services (IIS).

The application code is written in C# and ASP.NET. The middle-tier API uses the Entity Framework to communicate to the SQL Server database. Maintenance of the database is performed by using SQL Server Agent jobs.

The database is currently 2 TB and is not expected to grow beyond 3 TB.

The payment processing system has the following compliance-related requirements:

- * Encrypt data in transit and at rest. Only the front-end and middle-tier components must be able to access the encryption keys that protect the data store.
- * Keep backups of the data in two separate physical locations that are at least 200 miles apart and can be restored for up to seven years.
- * Support blocking inbound and outbound traffic based on the source IP address, the destination IP address, and the port number.
- * Collect Windows security logs from all the middle-tier servers and retain the logs for a period of seven years.
- * Inspect inbound and outbound traffic from the front-end tier by using highly available network appliances.
- * Only allow all access to all the tiers from the internal network of Contoso.

Tape backups are configured by using an on-premises deployment of Microsoft System Center Data Protection Manager (DPM), and then shipped offsite for long term storage.

Existing Environment. Historical Transaction Query System

Contoso recently migrated a business-critical workload to Azure. The workload contains a .NET web service for querying the historical transaction data residing in Azure Table Storage. The .NET web service is accessible from a client app that was developed in-house and runs on the client computers in the New York office. The data in the table storage is 50 GB and is not expected to increase.

Existing Environment. Current Issues

The Contoso IT team discovers poor performance of the historical transaction query system, as the queries frequently cause table scans.

Requirements. Planned Changes

Contoso plans to implement the following changes:

- * Migrate the payment processing system to Azure.
- * Migrate the historical transaction data to Azure Cosmos DB to address the performance issues.

Requirements. Migration Requirements

Contoso identifies the following general migration requirements:

- * Infrastructure services must remain available if a region or a data center fails. Failover must occur without any administrative intervention.
- * Whenever possible, Azure managed services must be used to minimize management overhead.
- * Whenever possible, costs must be minimized.

Contoso identifies the following requirements for the payment processing system:

- * If a data center fails, ensure that the payment processing system remains available without any administrative intervention. The middle-tier and the web front end must continue to operate without any additional configurations.
- * Ensure that the number of compute nodes of the front-end and the middle tiers of the payment processing system can increase or decrease automatically based on CPU utilization.
- * Ensure that each tier of the payment processing system is subject to a Service Level Agreement (SLA) of 99.99 percent availability.
- * Minimize the effort required to modify the middle-tier API and the back-end tier of the payment processing system.
- * Payment processing system must be able to use grouping and joining tables on encrypted columns.
- * Generate alerts when unauthorized login attempts occur on the middle-tier virtual machines.
- * Ensure that the payment processing system preserves its current compliance status.
- * Host the middle tier of the payment processing system on a virtual machine Contoso identifies the following requirements for the historical transaction query system:
 - * Minimize the use of on-premises infrastructure services.
 - * Minimize the effort required to modify the .NET web service querying Azure Cosmos DB.
 - * Minimize the frequency of table scans.
 - * If a region fails, ensure that the historical transaction query system remains available without any administrative intervention.

Requirements. Information Security Requirements

The IT security team wants to ensure that identity management is performed by using Active Directory.

Password hashes must be stored on-premises only.

Access to all business-critical systems must rely on Active Directory credentials. Any suspicious authentication attempts must trigger a multi-factor authentication prompt automatically.

NEW QUESTION: 6

You need to recommend a solution to meet the database retention requirement. What should you recommend?

- A.** Configure a long-term retention policy for the database.
- B.** Configure Azure Site Recovery.
- C.** Configure geo replication of the database.
- D.** Use automatic Azure SQL Database backups.

Answer: A (LEAVE A REPLY)

Topic 1, Fabrikam, inc Case Study A

Overview:

Existing Environment

Fabrikam, Inc. is an engineering company that has offices throughout Europe. The company has a main office in London and three branch offices in Amsterdam Berlin, and Rome.

Active Directory Environment:

The network contains two Active Directory forests named corp.fabnkam.com and rd.fabrikam.com. There are no trust relationships between the forests. Corp.fabrikam.com is a production forest that contains identities used for internal user and computer authentication. Rd.fabrikam.com is used by the research and development (R&D) department only.

Network Infrastructure:

Each office contains at least one domain controller from the corp.fabrikam.com domain. The main office contains all the domain controllers for the rd.fabrikam.com forest.

All the offices have a high-speed connection to the Internet.

An existing application named WebApp1 is hosted in the data center of the London office.

WebApp1 is used by customers to place and track orders. WebApp1 has a web tier that uses Microsoft Internet Information Services (IIS) and a database tier that runs Microsoft SQL Server 2016. The web tier and the database tier are deployed to virtual machines that run on Hyper-V. The IT department currently uses a separate Hyper-V environment to test updates to WebApp1. Fabrikam purchases all Microsoft licenses through a Microsoft Enterprise Agreement that includes Software Assurance.

Problem Statement:

The use of Web App1 is unpredictable. At peak times, users often report delays. At other times, many resources for WebApp1 are underutilized.

Requirements:

Planned Changes:

Fabrikam plans to move most of its production workloads to Azure during the next few years.

As one of its first projects, the company plans to establish a hybrid identity model, facilitating an upcoming Microsoft Office 365 deployment. All R&D operations will remain on-premises.

Fabrikam plans to migrate the production and test instances of WebApp1 to Azure.

Technical Requirements:

Fabrikam identifies the following technical requirements:

- * Web site content must be easily updated from a single point.
- * User input must be minimized when provisioning new app instances.
- * Whenever possible, existing on premises licenses must be used to reduce cost.
- * Users must always authenticate by using their corp.fabrikam.com UPN identity.
- * Any new deployments to Azure must be redundant in case an Azure region fails.
- * Whenever possible, solutions must be deployed to Azure by using platform as a service (PaaS).
- * An email distribution group named IT Support must be notified of any issues relating to the directory synchronization services.
- * Directory synchronization between Azure Active Directory (Azure AD) and corp.fabnkam.com must not be affected by a link failure between Azure and the on premises network.

Database Requirements:

Fabrikam identifies the following database requirements:

* Database metrics for the production instance of WebApp1 must be available for analysis so that database administrators can optimize the performance settings.

* To avoid disrupting customer access, database downtime must be minimized when databases are migrated.

* Database backups must be retained for a minimum of seven years to meet compliance requirement Security Requirements:

Fabrikam identifies the following security requirements:

*Company information including policies, templates, and data must be inaccessible to anyone outside the company

*Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails.

*Administrators must be able to authenticate to the Azure portal by using their corp.fabrikam.com credentials.

*All administrative access to the Azure portal must be secured by using multi-factor authentication.

*The testing of WebApp1 updates must not be visible to anyone outside the company.

NEW QUESTION: 7

You have an Azure subscription.

You need to deploy an Azure Kubernetes Service (AKS) solution that will use Linux nodes. The solution must meet the following requirements:

Minimize the time it takes to provision compute resources during scale-out operations.

Support autoscaling of Linux containers.

Minimize administrative effort.

Which scaling option should you recommend?

A. Virtual Kubelet

B. cluster autoscaler

C. horizontal pod autoscaler

D. AKS virtual nodes

Answer: B (LEAVE A REPLY)

About the cluster autoscaler.

AKS clusters can scale in one of two ways:

The cluster autoscaler watches for pods that can't be scheduled on nodes because of resource constraints. The cluster then automatically increases the number of nodes.

The horizontal pod autoscaler uses the Metrics Server in a Kubernetes cluster to monitor the resource demand of pods.

Reference:

<https://docs.microsoft.com/en-us/azure/aks/cluster-autoscaler>

NEW QUESTION: 8

You need to design an architecture to capture the creation of users and the assignment of roles. The captured data must be stored in Azure Cosmos DB.

Which Azure services should you include in the design? To answer, drag the appropriate services to the correct targets. Each service may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

NEW QUESTION: 9

You are designing a network connectivity strategy for a new Azure subscription. You identify the following requirements:

The Azure virtual machines on a subnet named Subnet1 must be accessible only from the computers in your London office.

Engineers require access to the Azure virtual machine on a subnet named Subnet2 over the Internet on a specific TCP/IP management port.

The Azure virtual machines in the West Europe Azure region must be able to communicate on all ports to the Azure virtual machines in the North Europe Azure region.

You need to recommend which components must be used to meet the requirements. The solution must minimize costs and administrative effort whenever possible.

What should you include in the recommendation? To answer, drag the appropriate components to the correct requirements. Each component may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

NEW QUESTION: 10

Your on-premises network contains a server named Server1 that runs an ASP.NET application named App1.

You have a hybrid deployment of Azure Active Directory (Azure AD).

You need to recommend a solution to ensure that users sign in by using their Azure AD account and Azure Multi-Factor Authentication (MFA) when they connect to App1 from the internet.

Which three Azure services should you recommend be deployed and configured in sequence? To answer, move the appropriate services from the list of services to the answer area and arrange them in the correct order.

Answer:

Explanation

Text Description automatically generated with medium confidence

NEW QUESTION: 11

Your company has users who work remotely from laptops.

You plan to move some of the applications accessed by the remote users to Azure virtual machines. The users will access the applications in Azure by using a point-to-site VPN connection. You will use certificates generated from an on-premises-based certification authority (CA).

You need to recommend which certificates are required for the deployment.

What should you include in the recommendation? To answer, drag the appropriate certificates to the correct targets. Each certificate may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

NEW QUESTION: 12

Your company has the divisions shown in the following table.

Sub1 contains an Azure web app that runs an ASP.NET application named App1 uses the Microsoft identity platform (v2.0) to handle user authentication. users from east.contoso.com can authenticate to App1.

You need to recommend a solution to allow users from west.contoso.com to authenticate to App1.

What should you recommend for the west.contoso.com Azure AD tenant?

- A. guest accounts
- B. an app registration
- C. pass-through authentication
- D. a conditional access policy

Answer: B ([LEAVE A REPLY](#))

Explanation

There are several components that make up the Microsoft identity platform:

- * OAuth 2.0 and OpenID Connect standard-compliant authentication service
- * Application management portal: A registration and configuration experience in the Azure portal, along with the other Azure management capabilities.

You register an application using the App registrations experience in the Azure portal so that your app can be integrated with the Microsoft identity platform and call Microsoft Graph.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/develop/v2-overview>

<https://docs.microsoft.com/en-us/graph/auth-register-app-v2>

NEW QUESTION: 13

You are designing an Azure Cosmos DB solution that will host multiple writable replicas in multiple Azure regions.

You need to recommend the strongest database consistency level for the design. The solution must meet the following requirements:

Provide a latency-based Service Level Agreement (SLA) for writes.

Support multiple regions.

Which consistency level should you recommend?

- A. bounded staleness
- B. strong
- C. session
- D. consistent prefix

Answer: A (LEAVE A REPLY)

Each level provides availability and performance tradeoffs. The following image shows the different consistency levels as a spectrum.

Note: The service offers comprehensive 99.99% SLAs which covers the guarantees for throughput, consistency, availability and latency for the Azure Cosmos DB Database Accounts scoped to a single Azure region configured with any of the five Consistency Levels or Database Accounts spanning multiple Azure regions, configured with any of the four relaxed Consistency Levels.

Reference:

https://azure.microsoft.com/en-us/support/legal/sla/cosmos-db/v1_3/

<https://docs.microsoft.com/en-us/azure/cosmos-db/consistency-levels#consistency-levels-and-latency>

NEW QUESTION: 14

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 that has a file service and a blob service, and then using the Data Migration Assistant.

Does this meet the goal?

- A. Yes
- B. No

Answer: B (LEAVE A REPLY)

Data Migration Assistant is used to migrate SQL databases.

Instead use Azure Site Recovery.

Reference:

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

NEW QUESTION: 15

You are developing a sales application that will contain several Azure cloud services and will handle different components of a transaction. Different cloud services will process customer orders, billing, payment, inventory, and shipping.

You need to recommend a solution to enable the cloud services to asynchronously communicate transaction information by using REST messages.

What should you include in the recommendation?

- A. Azure Service Bus
- B. Azure Blob storage
- C. Azure Notification Hubs
- D. Azure Application Gateway

Answer: (SHOW ANSWER)

Service Bus is a transactional message broker and ensures transactional integrity for all internal operations against its message stores. All transfers of messages inside of Service Bus, such as moving messages to a dead-letter queue or automatic forwarding of messages between entities, are transactional.

Incorrect Answers:

C: Azure Notification Hubs is a massively scalable mobile push notification engine for quickly sending millions of notifications to iOS, Android, Windows, or Kindle devices.

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-transactions>

NEW QUESTION: 16

Your company has the offices shown in the following table.

The network contains an Active Directory domain named contoso.com that is synced to Azure Active Directory (Azure AD).

All users connect to an application hosted in Microsoft 365.

You need to recommend a solution to ensure that all the users use Azure Multi-Factor Authentication (MFA) to connect to the application from one of the offices.

What should you include in the recommendation?

- A. a named location and two Microsoft Cloud App Security policies
- B. a conditional access policy and two virtual networks
- C. a virtual network and two Microsoft Cloud App Security policies
- D. a conditional access policy and two named locations

Answer: D (LEAVE A REPLY)

Explanation

<https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/howto-conditional-access-policy-all-u>

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NEW QUESTION: 17

You plan to create an Azure environment that will have a root management group and five child and five child management groups. Each child management group will contains five Azure subscriptions. You plan to have between 10 and 30 resource group in each subscription. Ensure that you can update RBAC role assignment all the subscription and resource groups. Minimize administrative effort.

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.

Answer:

Explanation

NEW QUESTION: 18

You have an Azure Active Directory (Azure AD) tenant and Windows 10 devices. You configure a conditional access policy as shown in the exhibit. (Click the Exhibit tab.) What is the result of the policy?

- A.** All users will always be prompted for multi-factor authentication (MFA).
- B.** Users will be prompted for multi-factor authentication (MFA) only when they sign in from devices that are NOT joined to Azure AD.
- C.** All users will be able to sign in without using multi-factor authentication (MFA).
- D.** Users will be prompted for multi-factor authentication (MFA) only when they sign in from devices that are joined to Azure AD.

Answer: B (LEAVE A REPLY)

Explanation

Either the device should be joined to Azure AD or MFA must be used.

NEW QUESTION: 19

You have a .NET web service named Service1 that has the following requirements:

- * Must read and write temporary files to the local file system.
- * Must write to the Application event log.

You need to recommend a solution to host Service1 in Azure. The solution must meet the following requirements:

- * Minimize maintenance overhead.
- * Minimize costs.

What should you include in the recommendation?

- A. an App Service Environment
- B. an Azure web app
- C. an Azure virtual machine scale set
- D. an Azure function

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 20

Your company has users who work remotely from laptops.

You plan to move some of the applications accessed by the remote users to Azure virtual machines. The users will access the applications in Azure by using a point-to-site VPN connection. You will use certificates generated from an on-premises-based certification authority (CA).

You need to recommend which certificates are required for the deployment.

What should you include in the recommendation? To answer, drag the appropriate certificates to the correct targets. Each certificate may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

NEW QUESTION: 21

You need to recommend a solution for configuring the Azure Multi-Factor Authentication (MFA) settings.

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.

Answer:

Explanation:

References:

<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-sign-in-risk-policy>

<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-mfa-policy>

NEW QUESTION: 22

You plan to create an Azure environment that will have a root management group and five child management groups. Each child management group will contain five Azure subscriptions. You plan to have between 10 and 30 resource groups in each subscription.

You need to design a solution for the planned environment. The solution must meet the following requirements:

Prevent users who are assigned the Owner role for the subscriptions from deleting the resource groups from their respective subscription.

Ensure that you can update RBAC role assignments across all the subscriptions and resource groups.

Minimize administrative effort.

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.

Answer:

Explanation

Box 1: Azure Blueprints

Blueprints are a declarative way to orchestrate the deployment of various resource templates and other artifacts such as:

Role Assignments

Policy Assignments

Azure Resource Manager templates (ARM templates)

Resource Groups

Reference:

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

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

NEW QUESTION: 23

Your company identifies the following business continuity and disaster recovery objectives for virtual machines that host sales, finance, and reporting application in the company's on-premises data center.

* The finance application requires that data be retained for seven years. In the event of a disaster, the application must be able to run from Azure. The recovery in objective (RTO) is 10 minutes,

* The reporting application must be able to recover point in-time data at a daily granularity. The RTO is eight hours.

* The sales application must be able to fail over to second on-premises data center.

You need to recommend which Azure services meet the business continuity and disaster recovery objectives. The solution must minimize costs.

What should you recommend for each application? To answer, drag the appropriate services to the correct application. Each service may be used once, more than once, or not at all. You may need to drag the spin bar between panes or scroll to view content.

Answer:

NEW QUESTION: 24

You are designing a storage solution that will use Azure Blob storage. The data will be stored in a cool access tier or an archive access tier based on the access patterns of the data.

You identify the following types of infrequently accessed data:

Telemetry data: Deleted after two years

D18912E1457D5D1DDCB40AB3BF70D5D

Promotional material: Deleted after 14 days

Virtual machine audit data: Deleted after 200 days

A colleague recommends using the archive access tier to store the data.

Which statement accurately describes the recommendation?

- A. Storage costs will be based on a minimum of 30 days.
- B. Access to the data is guaranteed within five minutes.
- C. Access to the data is guaranteed within 30 minutes.
- D. Storage costs will be based on a minimum of 180 days.

Answer: ([SHOW ANSWER](#))

The following table shows a comparison of premium performance block blob storage, and the hot, cool, and archive access tiers.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

NEW QUESTION: 25

You need to recommend a solution for configuring the Azure Multi-Factor Authentication (MFA) settings.

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.

Answer:

Explanation

References:

<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-sign-in-risk-policy>

<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-mfa-policy>

NEW QUESTION: 26

You have an Azure subscription that is linked to an Azure Active Directory Premium Plan 2 tenant

The tenant has multi-factor authentication (MFA) enabled for all users.

You have the named locations shown in the following table.

You have the users shown in the following table.

You plan to deploy the Conditional Access policies shown in the following table.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer:

NEW QUESTION: 27

Your company develops a web service that is deployed to at, Azure virtual machine named VM1 the web service allows an API to access real- time data from VM1. The current virtual machine deployment is shown in the Deployment exhibit. (Click the Deployment tab).

The chief technology officer (CTO) sends you the following email message: "Our developers have deployed the web service to a virtual machine named WL Testing has shown that the API is accessible from VM1 and VM? Our partners must be able to connect to the API over the Internet Partners will me this data in applications that they develop:

You deploy an Azure API Management service. The relevant API Management configuration is shown in the API ambit. (Click the API tab).

For each of the following statements, select. Yes, if the statement is true. Otherwise. select No.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

NEW QUESTION: 28

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 Azure Active Directory (Azure AD) tenant named contoso.com. The tenant contains a group named Group1. Group1 contains all the administrative user accounts.

You discover several login attempts to the Azure portal from countries where administrative users do NOT work.

You need to ensure that all login attempts to the Azure portal from those countries require Azure Multi-Factor Authentication (MFA).

Solution: You implement an access package.

Does this meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

Instead implement Azure AD Privileged Identity Management.

Note: Azure Active Directory (Azure AD) Privileged Identity Management (PIM) is a service that enables you to manage, control, and monitor access to important resources in your organization.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/privileged-identity-management/pim-configure>

NEW QUESTION: 29

Your organization has developed and deployed several Azure App Service Web and API applications. The applications use Azure Key Vault to store several authentication, storage account, and data encryption keys.

Several departments have the following requests to support the applications:

You need to recommend the appropriate Azure service for each department request.

What should you recommend? To answer, configure the appropriate options in the dialog box in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

<https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview>

NEW QUESTION: 30

You plan to develop a new app that will store business critical data.

a. The app must meet the following requirements:

Prevent new data from being modified for one year.

Minimize read latency.

Maximize data resiliency.

You need to recommend a storage solution for the app.

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

Answer:

Reference:

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

[https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy?](https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy?toc=/azure/storage/blobs/toc.json)

[toc=/azure/storage/blobs/toc.json](https://docs.microsoft.com/en-us/azure/storage/blobs/toc.json)

NEW QUESTION: 31

A company named Contoso, Ltd- has an Azure Active Directory (Azure AD) tenant that uses the Basic license.

You plan to deploy two applications to Azure. The applications have the requirements shown in the following table.

Which authentication strategy should you recommend for each application? To answer, drag the appropriate authentication strategies to the correct applications. Each authentication strategy may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory-b2c/active-directory-b2c-reference-mfa>

<https://docs.microsoft.com/en-us/azure/active-directory/develop/v2-overview>

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NEW QUESTION: 32

You have 100 Microsoft SQL Server integration Services (SSIS) packages that are configured to use 10 on-premises SQL Server databases as their destinations.

You plan to migrate the 10 on-premises databases to Azure SQL Database

You need to recommend a solution to host the SSIS packages in Azure. The solution must ensure that the packages can target the SQL Database instances as their destinations.

What should you include in the recommendation?

- A. Azure Data Catalog
- B. Azure Data Factory
- C. SQL Server Migration Assistant (SSMA)
- D. Data Migration Assistant

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 33

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 implement an Azure Storage account, and then using Azure Migrate.

- A. Yes
- B. No

Answer: B ([LEAVE A REPLY](#))

Explanation

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>

NEW QUESTION: 34

You have an Azure subscription.

You need to deploy an Azure Kubernetes Service (AKS) solution that will use Windows Server 2019 nodes.

The solution must meet the following requirements:

Minimize the time it takes to provision compute resources during scale-out operations.

Support autoscaling of Windows Server containers.

Which scaling option should you recommend?

- A. cluster autoscaler
- B. horizontal pod autoscaler
- C. Kubernetes version 1.20.2 or newer
- D. Virtual nodes with Virtual Kubelet ACI

Answer: A (LEAVE A REPLY)

Azure Container Instances (ACI) lets you quickly deploy container instances without additional infrastructure overhead. When you connect with AKS, ACI becomes a secured, logical extension of your AKS cluster. The virtual nodes component, which is based on Virtual Kubelet, is installed in your AKS cluster that presents ACI as a virtual Kubernetes node. Kubernetes can then schedule pods that run as ACI instances through virtual nodes, not as pods on VM nodes directly in your AKS cluster.

Your application requires no modification to use virtual nodes. Deployments can scale across AKS and ACI and with no delay as cluster autoscaler deploys new nodes in your AKS cluster.

Note: AKS clusters can scale in one of two ways:

The cluster autoscaler watches for pods that can't be scheduled on nodes because of resource constraints. The cluster then automatically increases the number of nodes.

The horizontal pod autoscaler uses the Metrics Server in a Kubernetes cluster to monitor the resource demand of pods. If an application needs more resources, the number of pods is automatically increased to meet the demand.

Reference:

<https://docs.microsoft.com/en-us/azure/aks/concepts-scale5>

NEW QUESTION: 35

You have an application named App1. App1 generates log files that must be archived for five years. The log files must be readable by App1 but must not be modified.

Which storage solution should you recommend for archiving?

- A. Ingest the log files into an Azure Log Analytics workspace
- B. Use an Azure Blob storage account and a time-based retention policy
- C. Use an Azure Blob storage account configured to use the Archive access tier
- D. Use an Azure file share that has access control enabled

Answer: (SHOW ANSWER)

Immutable storage for Azure Blob storage enables users to store business-critical data objects in a WORM (Write Once, Read Many) state.

Immutable storage supports:

Time-based retention policy support: Users can set policies to store data for a specified interval. When a time-based retention policy is set, blobs can be created and read, but not modified or deleted. After the retention period has expired, blobs can be deleted but not overwritten.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutable-storage>

NEW QUESTION: 36

You need to recommend a solution for the users at Contoso to authenticate to the cloud-based services and the Azure AD-integrated applications.

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.

Answer:

NEW QUESTION: 37

To meet the authentication requirements of Fabrikam, 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.

Answer:

NEW QUESTION: 38

You have the application architecture shown in the following exhibit.

Use the drop-down menus to select choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Answer:

References:

<https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-routing-methods>

<https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-monitoring>

NEW QUESTION: 39

You need to design a resource governance solution for an Azure subscription. The solution must meet the following requirements:

- * Ensure that all ExpressRoute resources are created in a resource group named RG1.
- * Delegate the creation of the ExpressRoute resources to an Azure Active Directory (Azure AD) group named Networking.
- * Use the principle of least privilege.

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.

Answer:

Explanation

Box 1: An Azure policy assignment at the subscription level that has an exclusion Box 2: A custom RBAC role assignment at the level of RG1 Azure role-based access control (Azure RBAC) is the authorization system you use to manage access to Azure resources. To grant access, you assign roles to users, groups, service principals, or managed identities at a particular scope.

Reference:

<https://docs.microsoft.com/en-us/azure/governance/policy/tutorials/create-and-manage>

NEW QUESTION: 40

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 Azure Active Directory (Azure AD) tenant named contoso.com. The tenant contains a group named Group1. Group1 contains all the administrative user accounts.

You discover several login attempts to the Azure portal from countries where administrative users do NOT work.

You need to ensure that all login attempts to the Azure portal from those countries require Azure Multi-Factor Authentication (MFA).

Solution: Create an Access Review for Group1.

Does this solution meet the goal?

A. Yes

B. No

Answer: (SHOW ANSWER)

Instead implement Azure AD Privileged Identity Management.

Note: Azure Active Directory (Azure AD) Privileged Identity Management (PIM) is a service that enables you to manage, control, and monitor access to important resources in your organization.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/privileged-identity-management/pim-configure>

NEW QUESTION: 41

Your on-premises network contains a file server named Server1 that stores 500 GB of data.

You need to use Azure Data Factory to copy the data from Server1 to Azure Storage.

You add a new data factory.

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

NOTE: Each correct selection is worth one point.

Answer:

References:

<https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/move-sql-azure-adf>

NEW QUESTION: 42

Your company has the infrastructure shown in the following table.

The on-premises Active Directory domain syncs to Azure Active Directory (Azure AD).

Server1 runs an application named Appl that uses LDAP queries to verify user identities in the on-premises Active Directory domain.

You plan to migrate Server1 to a virtual machine in Subscription1.

A company security policy states that the virtual machines and services deployed to Subscription1 must be prevented from accessing the on-premises network.

You need to recommend a solution to ensure that Appl continues to function after the migration.

The solution must meet the security policy.

What should you include in the recommendation?

- A. Azure AD Domain Services (Azure AD DS)
- B. an Azure VPN gateway
- C. the Active Directory Domain Services role on a virtual machine
- D. Azure AD Application Proxy

Answer: D (LEAVE A REPLY)

You can join a Windows Server virtual machine to an Azure Active Directory Domain Services managed domain.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory-domain-services/join-windows-vm>

NEW QUESTION: 43

You have an application named App1. App1 generates log files that must be archived for five years. The log files must be readable by App1 but must not be modified.

Which storage solution should you recommend for archiving?

- A. Ingest the log files into an Azure Log Analytics workspace
- B. Use an Azure Blob storage account and a time-based retention policy
- C. Use an Azure Blob storage account configured to use the Archive access tier
- D. Use an Azure file share that has access control enabled

Answer: (SHOW ANSWER)

Explanation

Immutable storage for Azure Blob storage enables users to store business-critical data objects in a WORM (Write Once, Read Many) state.

Immutable storage supports:

Time-based retention policy support: Users can set policies to store data for a specified interval.

When a time-based retention policy is set, blobs can be created and read, but not modified or deleted. After the retention period has expired, blobs can be deleted but not overwritten.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutable-storage>

NEW QUESTION: 44

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

Answer: (SHOW ANSWER)

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.

1. Sign in to the Azure portal as the Account Administrator.
2. Search for Cost Management + Billing.
3. Etc.

Reference:

<https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/spending-limit> Design Identity and Security Testlet 1 Case Study This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided. To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Existing Environment. Active Directory Environment

The network contains two Active Directory forests named corp.fabrikam.com and rd.fabrikam.com. There are no trust relationships between the forests.

Corp.fabrikam.com is a production forest that contains identities used for internal user and computer authentication.

Rd.fabrikam.com is used by the research and development (R&D) department only.

Existing Environment. Network Infrastructure

Each office contains at least one domain controller from the corp.fabrikam.com domain. The main office contains all the domain controllers for the rd.fabrikam.com forest.

All the offices have a high-speed connection to the Internet.

An existing application named WebApp1 is hosted in the data center of the London office.

WebApp1 is used by customers to place and track orders. WebApp1 has a web tier that uses Microsoft Internet Information Services (IIS) and a database tier that runs Microsoft SQL Server 2016. The web tier and the database tier are deployed to virtual machines that run on Hyper-V. The IT department currently uses a separate Hyper-V environment to test updates to WebApp1. Fabrikam purchases all Microsoft licenses through a Microsoft Enterprise Agreement that includes Software Assurance.

Existing Environment. Problem Statements

The use of WebApp1 is unpredictable. At peak times, users often report delays. At other times, many resources for WebApp1 are underutilized.

Requirements. Planned Changes

Fabrikam plans to move most of its production workloads to Azure during the next few years.

As one of its first projects, the company plans to establish a hybrid identity model, facilitating an upcoming Microsoft Office 365 deployment.

All R&D operations will remain on-premises.

Fabrikam plans to migrate the production and test instances of WebApp1 to Azure and to use the S1 plan.

Requirements. Technical Requirements

Fabrikam identifies the following technical requirements:

- * Web site content must be easily updated from a single point.
- * User input must be minimized when provisioning new web app instances.

- * Whenever possible, existing on-premises licenses must be used to reduce cost.
- * Users must always authenticate by using their corp.fabrikam.com UPN identity.
- * Any new deployments to Azure must be redundant in case an Azure region fails.
- * Whenever possible, solutions must be deployed to Azure by using the Standard pricing tier of Azure App Service.
- * An email distribution group named IT Support must be notified of any issues relating to the directory synchronization services.
- * Directory synchronization between Azure Active Directory (Azure AD) and corp.fabrikam.com must not be affected by a link failure between Azure and the on-premises network.

Requirements. Database Requirements

Fabrikam identifies the following database requirements:

- * Database metrics for the production instance of WebApp1 must be available for analysis so that database administrators can optimize the performance settings.
- * To avoid disrupting customer access, database downtime must be minimized when databases are migrated.
- * Database backups must be retained for a minimum of seven years to meet compliance requirements.

Requirements. Security Requirements

Fabrikam identifies the following security requirements:

- * Company information including policies, templates, and data must be inaccessible to anyone outside the company.
- * Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails.
- * Administrators must be able to authenticate to the Azure portal by using their corp.fabrikam.com credentials.
- * All administrative access to the Azure portal must be secured by using multi-factor authentication.
- * The testing of WebApp1 updates must not be visible to anyone outside the company.

NEW QUESTION: 45

You plan to migrate App1 to Azure. The solution must meet the authentication and authorization requirements.

Which type of endpoint should App1 use to obtain an access token?

- A. Azure Instance Metadata Service (IMDS)
- B. Azure AD
- C. Azure Service Management
- D. Microsoft identity platform

Answer: D (LEAVE A REPLY)

Scenario: To access the resources in Azure, App1 must use the managed identity of the virtual machines that will host the app.

Managed identities provide an identity for applications to use when connecting to resources that support Azure Active Directory (Azure AD) authentication. Applications may use the managed identity to obtain Azure AD tokens.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview>

NEW QUESTION: 46

You need to recommend a solution for the users at Contoso to authenticate to the cloud-based services and the Azure AD-integrated applications.

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.

Answer:

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NEW QUESTION: 47

You are developing a web application that provides streaming video to users. You configure the application to use continuous integration and deployment.

The app must be highly available and provide a continuous streaming experience for users.

You need to recommend a solution that allows the application to store data in a geographical location that is closest to the user.

What should you recommend?

- A. Azure App Service Web Apps
- B. Azure App Service Isolated
- C. Azure Redis Cache
- D. Azure Content Delivery Network (CDN)

Answer: (SHOW ANSWER)

Azure Content Delivery Network (CDN) is a global CDN solution for delivering high-bandwidth content. It can be hosted in Azure or any other location. With Azure CDN, you can cache static objects loaded from Azure Blob storage, a web application, or any publicly accessible web server, by using the closest point of presence (POP) server. Azure CDN can also accelerate dynamic content, which cannot be cached, by leveraging various network and routing optimizations.

References:

<https://docs.microsoft.com/en-in/azure/cdn/>

NEW QUESTION: 48

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 Azure Storage v2 account named Storage1.

You plan to archive data to Storage1.

You need to ensure that the archived data cannot be deleted for five years. The solution must prevent administrators from deleting the data.

Solution: You create a file share and snapshots.

Does this meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

Explanation

Instead you could create an Azure Blob storage container, and you configure a legal hold access policy.

References:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutable-storage>

NEW QUESTION: 49

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 Azure Storage v2 account named Storage1.

You plan to archive data to Storage1.

You need to ensure that the archived data cannot be deleted for five years. The solution must prevent administrators from deleting the data.

Solution: You create a file share, and you configure an access policy.

Does this meet the goal?

A. Yes

B. No

Answer: **B** ([LEAVE A REPLY](#))

Explanation

Instead of a file share, an immutable Blob storage is required.

Time-based retention policy support: Users can set policies to store data for a specified interval. When a time-based retention policy is set, blobs can be created and read, but not modified or deleted. After the retention period has expired, blobs can be deleted but not overwritten.

Note: Set retention policies and legal holds

1. Create a new container or select an existing container to store the blobs that need to be kept in the immutable state. The container must be in a general-purpose v2 or Blob storage account.
2. Select Access policy in the container settings. Then select Add policy under Immutable blob storage.
3. To enable time-based retention, select Time-based retention from the drop-down menu.
4. Enter the retention interval in days (acceptable values are 1 to 146000 days).

References:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutable-storage>

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutability-policies-manage>

NEW QUESTION: 50

The developers at your company are building a static web app to support users sending text messages. The app must meet the following requirements:

- * Website latency must be consistent for users in different geographical regions.
- * Users must be able to authenticate by using Twitter and Facebook.
- * Code must include only HTML, native JavaScript and jQuery.
- * Costs must be minimized.

Which Azure service should you use to complete the architecture? To answer, drag the appropriate services to the correct locations. Each service may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

Reference:

<https://docs.microsoft.com/en-us/javascript/api/overview/azure/cdn?view=azure-node-latest#overview>

<https://www.codeproject.com/Articles/1368337/Implementing-SMS-API-using-Azure-Serverless-Functi>

NEW QUESTION: 51

You need to recommend an Azure Storage Account configuration for two applications named Application1 and Applications. The configuration must meet the following requirements:

- * Storage for Application1 must provide the highest possible transaction rates and the lowest possible latency.
- * Storage for Application2 must provide the lowest possible storage costs per GB.
- * Storage for both applications must be optimized for uploads and downloads.
- * Storage for both applications must be available in an event of datacenter failure.

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

Answer:

Reference:

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

<https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy>

NEW QUESTION: 52

You have a hybrid deployment of Azure Active Directory (Azure AD).

You need to recommend a solution to ensure that the Azure AD tenant can be managed only from the computers on your on-premises network.

What should you include in the recommendation?

- A. A conditional access policy
- B. Azure AD roles and administrators
- C. Azure AD Application Proxy
- D. Azure AD Privileged identity Management

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 53

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 plans to deploy various Azure App Service instances that will use Azure SQL databases. The App Service instances will be deployed at the same time as the Azure SQL databases.

The company has a regulatory requirement to deploy the App Service instances only to specific Azure regions. The resources for the App Service instances must reside in the same region.

You need to recommend a solution to meet the regulatory requirement.

Solution: You recommend creating resource groups based on locations and implementing resource locks on the resource groups.

Does this meet the goal?

- A. Yes
- B. No

Answer: B ([LEAVE A REPLY](#))

Explanation

Resource locks are not used for compliance purposes. Resource locks prevent changes from being made to resources.

Reference:

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

NEW QUESTION: 54

You are designing a data protection strategy for Azure virtual machines. All the virtual machines use managed disks. You need to recommend a solution that meets the following requirements:

- * The use of encryption keys is audited.
- * All the data is encrypted at rest always.
- * You manage the encryption keys, not Microsoft

What should you include in the recommendation?

- A. Azure Disk Encryption
- B. Azure Storage Service Encryption
- C. BitLocker Drive Encryption (BitLocker)
- D. client-side encryption

Answer: A (LEAVE A REPLY)

Reference:

<https://docs.microsoft.com/en-us/azure/security/azure-security-disk-encryption-overview>

NEW QUESTION: 55

Your company identifies the following business continuity and disaster recovery objectives for virtual machines that host sales, finance, and reporting application in the company's on-premises data center.

- * The finance application requires that data be retained for seven years. In the event of a disaster, the application must be able to run from Azure. The recovery in objective (RTO) is 10 minutes.
- * The reporting application must be able to recover point in-time data at a daily granularity. The RTO is eight hours.
- * The sales application must be able to fail over to second on-premises data center.

You need to recommend which Azure services meet the business continuity and disaster recovery objectives. The solution must minimize costs.

What should you recommend for each application? To answer, drag the appropriate services to the correct application. Each service may be used once or more than once. You may need to drag the spin bar between panes or scroll to view content.

Answer:

- 1 - Azure Site Recovery only
- 2 - Azure Site Recovery and Azure Backup
- 3 - Azure Backup only

NEW QUESTION: 56

DRAG DROP

A company named Contoso, Ltd. has an Azure Active Directory (Azure AD) tenant that uses the Basic license.

You plan to deploy two applications to Azure. The applications have the requirements shown in the following table.

Which authentication strategy should you recommend for each application? To answer, drag the appropriate authentication strategies to the correct applications. Each authentication strategy may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer:

Explanation:

Box 1: Azure AD V2.0 endpoint

Microsoft identity platform is an evolution of the Azure Active Directory (Azure AD) developer platform. It allows developers to build applications that sign in all Microsoft identities and get tokens to call Microsoft APIs, such as Microsoft Graph, or APIs that developers have built. The Microsoft identity platform consists of:

OAuth 2.0 and OpenID Connect standard-compliant authentication service that enables developers to authenticate any Microsoft identity, including:

Work or school accounts (provisioned through Azure AD)

Personal Microsoft accounts (such as Skype, Xbox, and Outlook.com)

Social or local accounts (via Azure AD B2C)

Box 2: Azure AD B2C tenant

Azure Active Directory B2C provides business-to-customer identity as a service. Your customers use their preferred social, enterprise, or local account identities to get single sign-on access to your applications and APIs.

Azure Active Directory B2C (Azure AD B2C) integrates directly with Azure Multi-Factor Authentication so that you can add a second layer of security to sign-up and sign-in experiences in your applications.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory-b2c/active-directory-b2c-reference-mfa>

<https://docs.microsoft.com/en-us/azure/active-directory/develop/v2-overview>

NEW QUESTION: 57

You need to design an Azure policy that will implement the following functionality:

* For new resources, assign tags and values that match the tags and values of the resource group to which the resources are deployed.

* For existing resources, identify whether the tags and values match the tags and values of the resource group that contains the resources.

* For any non-compliant resources, trigger auto-generated remediation tasks to create missing tags and values.

The solution must use the principle of least privilege.

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

NOTE: Each correct selection is worth one point.

Answer:

Reference:

<https://docs.microsoft.com/en-us/azure/governance/policy/concepts/effects>

<https://docs.microsoft.com/en-us/azure/governance/policy/how-to/remediate-resources>

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

NEW QUESTION: 58

Your company is designing a multi-tenant application that will use elastic pools and Azure SQL databases. The application will be used by 30 customers.

You need to design a storage solution for the application. The solution must meet the following requirements:

Operational costs must be minimized.

All customers must have their own database.

The customer databases will be in one of the following three Azure regions: East US, North Europe, or South Africa North.

What is the minimum number of elastic pools and Azure SQL Database servers required? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Box 1: 3

The server, its pools & databases must be in the same Azure region under the same subscription.

Box 2: 3

A server can have up to 5000 databases associated to it.

Reference:

<https://vincentlauzon.com/2016/12/18/azure-sql-elastic-pool-overview/>

NEW QUESTION: 59

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 plans to deploy various Azure App Service instances that will use Azure SQL databases. The App Service instances will be deployed at the same time as the Azure SQL databases.

The company has a regulatory requirement to deploy the App Service instances only to specific Azure regions.

The resources for the App Service instances must reside in the same region.

You need to recommend a solution to meet the regulatory requirement.

Solution: You recommend using an Azure policy to enforce the resource group location.

Does this meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

Azure Resource Policy Definitions can be used which can be applied to a specific Resource Group with the App Service instances.

Reference:

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

NEW QUESTION: 60

HOTSPOT

A company plans to implement an HTTP-based API to support a web app. The web app allows customers to check the status of their orders.

The API must meet the following requirements:

- * Implement Azure Functions.
- * Provide public read-only operations.
- * Do not allow write operations.

You need to recommend configuration options.

What should you recommend? To answer, configure the appropriate options in the dialog box in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer:

Explanation:

HTTP methods: GET only

Authorization level: Anonymous

The option is Allow Anonymous requests. This option turns on authentication and authorization in App Service, but defers authorization decisions to your application code. For authenticated requests, App Service also passes along authentication information in the HTTP headers.

This option provides more flexibility in handling anonymous requests.

Reference:

<https://docs.microsoft.com/en-us/azure/app-service/overview-authentication-authorization>

NEW QUESTION: 61

You use Azure Application Insights.

You plan to use continuous export.

You need to store Application Insights data for five years.

Which Azure service should you use?

A. Azure Backup

B. Azure SQL Database

C. Azure Storage

D. Azure Monitor Logs

Answer: C (LEAVE A REPLY)

Create a Continuous Export.

In the Application Insights resource for your app under configure on the left, open Continuous Export and choose Add:

Choose the telemetry data types you want to export.

Create or select an Azure storage account where you want to store the data. Click Add, Export Destination, Storage account, and then either create a new store or choose an existing store.

Create or select a container in the storage.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/export-telemetry#continuous-export-advanced-storage-configuration>

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NEW QUESTION: 62

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 Azure Storage v2 account named storage1.

You plan to archive data to storage1.

You need to ensure that the archived data cannot be deleted for five years. The solution must prevent administrators from deleting the data.

Solution: You create an Azure Blob storage container, and you configure a legal hold access policy.

Does this meet the goal?

A. Yes

B. No

Answer: B (LEAVE A REPLY)

Explanation/Reference:

Explanation:

Use an Azure Blob storage container, but use a time-based retention policy instead of a legal hold.

Note:

Immutable storage for Azure Blob storage enables users to store business-critical data objects in a WORM (Write Once, Read Many) state. This state makes the data non-erasable and non-modifiable for a user-specified interval. For the duration of the retention interval, blobs can be created and read, but cannot be modified or deleted. Immutable storage is available for general-purpose v2 and Blob storage accounts in all Azure regions.

Note: Set retention policies and legal holds

1. Create a new container or select an existing container to store the blobs that need to be kept in the immutable state. The container must be in a general-purpose v2 or Blob storage account.
2. Select Access policy in the container settings. Then select Add policy under Immutable blob storage.

Either

3a. To enable legal holds, select Add Policy. Select Legal hold from the drop-down menu.

Or

3b. To enable time-based retention, select Time-based retention from the drop-down menu.

4. Enter the retention interval in days (acceptable values are 1 to 146000 days).

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutable-storage>

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutability-policies-manage>

NEW QUESTION: 63

You have a resource group named RG1 that contains the objects shown in the following table.

You need to configure permissions so that App1 can copy all the secrets from KV1 to KV2. App1 currently has the Get permission for the secrets in KV1.

Which additional permissions should you assign to App1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Graphical user interface, text, application Description automatically generated

Box 1: List

Get: Gets the specified Azure key vault.

List: The List operation gets information about the vaults associated with the subscription.

Box 2: Create

Create Or Update: Create or update a key vault in the specified subscription.

Reference:

<https://docs.microsoft.com/en-us/rest/api/keyvault/>

NEW QUESTION: 64

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:

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

Answer:

Explanation

NEW QUESTION: 65

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 plan to deploy multiple instances of an Azure web app across several Azure regions. You need to design an access solution for the app. The solution must meet the following replication requirements:

- * Support rate limiting.
- * Balance requests between all instances.
- * Ensure that users can access the app in the event of a regional outage.

Solution: You use Azure Front Door to provide access to the app.

Does this meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

<https://docs.microsoft.com/en-us/azure/frontdoor/front-door-overview>

<https://docs.microsoft.com/en-us/azure/frontdoor/front-door-waf>

<https://www.cloudmatter.io/post/azure-front-door-and-web-application-firewall-cheatsheet>

NEW QUESTION: 66

You are designing a solution for a stateless front-end application named Application1.

Application1 will be hosted on two Azure virtual machines named VM1 and VM2.

You plan to load balance connections to VM1 and VM2 from the Internet by using one Azure load balancer.

You need to recommend the minimum number of required public IP addresses.

How many public IP addresses should you recommend using for each resource? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

NEW QUESTION: 67

Your on-premises network contains a server named Server1 that runs an ASP.NET application named App1.

You have a hybrid deployment of Azure Active Directory (Azure AD).

You need to recommend a solution to ensure that users sign in by using their Azure AD account and Azure Multi-Factor Authentication (MFA) when they connect to App1 from the internet.

Which three Azure services should you recommend be deployed and configured in sequence? To answer, move the appropriate services from the list of services to the answer area and arrange them in the correct order.

Answer:

NEW QUESTION: 68

Your company identifies the following business continuity and disaster recovery objectives for virtual machines that host sales, finance, and reporting application in the company's on-premises data center.

*The finance application requires that data be retained for seven years. In the event of a disaster, the application must be able to run from Azure. The recovery in objective (RTO) is 10 minutes,

* The reporting application must be able to recover point in-time data at a daily granularity. The RTO is eight hours.

*The sales application must be able to fail over to second on-premises data center.

You need to recommend which Azure services meet the business continuity and disaster recovery objectives.

The solution must minimize costs.

What should you recommend for each application? To answer, drag the appropriate services to the correct application. Each service may be used once, more than once, or not at all. You may need to drag the spin bar between panes or scroll to view content.

Answer:

Explanation

1) Sales: Azure Site Recovery only

2) Finance: Azure Site Recovery and Azure Backup

3) Reporting: Azure Backup only

NEW QUESTION: 69

You have an Azure Active Directory (Azure AD) tenant named contoso.com that has a security group named Group1. Group1 is configured for assigned membership. Group1 has 50 members, including 20 guest users.

You need to recommend a solution for evaluating the membership of Group1. The solution must meet the following requirements:

- * The evaluation must be repeated automatically every three months.
- * Every member must be able to report whether they need to be in Group1.
- * Users who report that they do not need to be in Group1 must be removed from Group1 automatically.
- * Users who do not report whether they need to be in Group1 must be removed from Group1 automatically.

What should you include in the recommendation?

- A. Change the Membership type of Group1 to Dynamic User.
- B. Implement Azure AD Privileged Identity Management.
- C. Implement Azure AD Identity Protection.
- D. Create an access review.

Answer: ([SHOW ANSWER](#))

In Azure Active Directory (Azure AD), you can create complex attribute-based rules to enable dynamic memberships for groups. Dynamic group membership reduces the administrative overhead of adding and removing users.

When any attributes of a user or device change, the system evaluates all dynamic group rules in a directory to see if the change would trigger any group adds or removes. If a user or device satisfies a rule on a group, they are added as a member of that group. If they no longer satisfy the rule, they are removed.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/users-groups-roles/groups-dynamic-membership>

NEW QUESTION: 70

To meet the authentication requirements of Fabrikam, 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.

Answer:

Explanation

1
1
0

NEW QUESTION: 71

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 the Azure Active Directory admin center, register 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 API Management services, publish the API of App1. From the Access control (IAM) blade, delegate permissions.

Answer: B (LEAVE A REPLY)

Explanation

Explanation:

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>

NEW QUESTION: 72

What should you include in the identity management strategy to support the planned changes?

- A.** Move all the domain controllers from corp.fabrikam.com to virtual networks in Azure.
- B.** Deploy domain controllers for corp.fabrikam.com to virtual networks in Azure.
- C.** Deploy a new Azure AD tenant for the authentication of new R&D projects.
- D.** Deploy domain controllers for the rd.fabrikam.com forest to virtual networks in Azure.

Answer: B (LEAVE A REPLY)

Directory synchronization between Azure Active Directory (Azure AD) and corp.fabrikam.com must not be affected by a link failure between Azure and the on-premises network. (This requires domain controllers in Azure) Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails. (This requires domain controllers on-premises)

NEW QUESTION: 73

HOTSPOT

You have an Azure App Service Web App that includes Azure Blob storage and an Azure SQL Database instance. The application is instrumented by using the Application Insights SDK. You need to design a monitoring solution for the web app.

Which Azure monitoring services should you use? To answer, select the appropriate Azure monitoring services in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer:

Explanation:

Note: You can select Logs from either the Azure Monitor menu or the Log Analytics workspaces menu.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/log-query/log-query-overview>

NEW QUESTION: 74

You need to recommend an Azure Storage Account configuration for two applications named Application1 and Applications. The configuration must meet the following requirements:

- * Storage for Application1 must provide the highest possible transaction rates and the lowest possible latency.
- * Storage for Application2 must provide the lowest possible storage costs per GB.
- * Storage for both applications must be optimized for uploads and downloads.
- * Storage for both applications must be available in an event of datacenter failure.

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

NOTE: Each correct selection is worth one point

Answer:

Reference:

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

<https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy>

NEW QUESTION: 75

You have Azure virtual machines that run a custom line-of-business web application.

You plan to use a third-party solution to parse event logs from the virtual machines stored in an Azure storage account.

You need to recommend a solution to save the event logs from the virtual machines to the Azure Storage account. The solution must minimize costs and complexity.

What should you include in the recommendation?

- A. Azure Monitor logs
- B. event log subscriptions
- C. Azure VM Diagnostics Extension
- D. Azure Monitor Metrics

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 76

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 plans to deploy various Azure App Service instances that will use Azure SQL databases. The App Service instances will be deployed at the same time as the Azure SQL databases.

The company has a regulatory requirement to deploy the App Service instances only to specific Azure regions.

The resources for the App Service instances must reside in the same region.

You need to recommend a solution to meet the regulatory requirement.

Solution: You recommend using the Regulatory compliance dashboard in Azure Security Center.

Does this meet the goal?

A. Yes

B. No

Answer: B (LEAVE A REPLY)

The Regulatory compliance dashboard in Azure Security Center is not used for regional compliance.

Note: Instead Azure Resource Policy Definitions can be used which can be applied to a specific Resource Group with the App Service instances.

Note 2: In the Azure Security Center regulatory compliance blade, you can get an overview of key portions of your compliance posture with respect to a set of supported standards. Currently supported standards are Azure CIS, PCI DSS 3.2, ISO 27001, and SOC TSP.

Reference:

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

<https://azure.microsoft.com/en-us/blog/regulatory-compliance-dashboard-in-azure-security-center-now-available/>

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NEW QUESTION: 77

You are building an application that will run in a virtual machine (VM). The application will use Azure Managed Identity.

The application uses Azure Key Vault, Azure SQL Database, and Azure Cosmos DB.

You need to ensure the application can use secure credentials to access these services.

Which authentication method should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Note: Managed identities for Azure resources is the new name for the service formerly known as Managed Service Identity (MSI).

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview>

NEW QUESTION: 78

You have an Azure subscription that contains the storage accounts shown in the following table. You plan to implement two new apps that have the requirements shown in the following table. Which storage accounts should you recommend using for each app? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-lifecycle-management-concepts>

NEW QUESTION: 79

You have an on-premises network that uses an IP address space of 172.16.0.0/16. You plan to deploy 25 virtual machines to a new Azure subscription.

You identify the following technical requirements.

- * All Azure virtual machines must be placed on the same subnet subnet1.
- * All the Azure virtual machines must be able to communicate with all on-premises servers.
- * The servers must be able to communicate between the on-premises network and Azure by using a site-to-site VPN.

You need to recommend a subnet design that meets the technical requirements.

What should you include in the recommendation? To answer, drag the appropriate network addresses to the correct subnet. Each network address may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

NEW QUESTION: 80

You have an Azure web app named App1 and an Azure key vault named KV1.

App1 stores database connection strings in KV1.

App1 performs the following types of requests to KV1:

Get

List

Wrap

Delete
Unwrap
Backup
Decrypt
Encrypt

You are evaluating the continuity of service for App1.

You need to identify the following if the Azure region that hosts KV1 becomes unavailable:

To where will KV1 fail over?

During the failover, which request type will be unavailable?

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

NOTE: Each correct selection is worth one point.

Answer:

Reference:

<https://docs.microsoft.com/en-us/azure/key-vault/general/disaster-recovery-guidance>

NEW QUESTION: 81

Your company plans to publish APIs for its services by using Azure API Management.

You discover that service responses include the AspNet-Version header.

You need to recommend a solution to remove AspNet-Version from the response of the published APIs.

What should you include in the recommendation?

- A. a new product
- B. a modification to the URL scheme
- C. a new policy

Answer: C (LEAVE A REPLY)

Reference:

<https://docs.microsoft.com/en-us/azure/api-management/transform-api>

NEW QUESTION: 82

You have an Azure subscription that contains 300 Azure virtual machines that run Windows Server 2016.

You need to centrally monitor all warning events in the System logs of the virtual machines.

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

NOTE: Each correct selection is worth one point.

Answer:

Explanation

References:

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/data-sources-windows-events>

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/agent-windows>

NEW QUESTION: 83

You have 100 Standard_F2s_v2 Azure virtual machines. Each virtual machine has two network adapters.

You need to increase the network performance of the workloads running on the virtual machines.

The solution must meet the following requirements:

- * The CPU-to-memory ratio must remain the same.
- * The solution must minimize costs.

What should you do?

- A. Enable Accelerated Networking.
- B. Enable RDMA over InfiniBand.
- C. Configure NIC teaming.
- D. Install an additional network adapter.

Answer: A (LEAVE A REPLY)

Accelerated networking enables single root I/O virtualization (SR-IOV) to a VM, greatly improving its networking performance. This high-performance path bypasses the host from the datapath, reducing latency, jitter, and CPU utilization, for use with the most demanding network workloads on supported VM types.

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-network/create-vm-accelerated-networking-cli>

<https://docs.microsoft.com/en-us/azure/site-recovery/azure-vm-disaster-recovery-with-accelerated-networking>

NEW QUESTION: 84

You deploy several Azure SQL Database instances.

You plan to configure the Diagnostics settings on the databases as shown in the following exhibit.

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.

Answer:

NEW QUESTION: 85

To meet the authentication requirements of Fabrikam, 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.

Answer:

Existing Environment

Fabrikam, Inc. is an engineering company that has offices throughout Europe. The company has a main office in London and three branch offices in Amsterdam Berlin, and Rome.

Active Directory Environment:

The network contains two Active Directory forests named corp.fabnkam.com and rd.fabrikam.com. There are no trust relationships between the forests. Corp.fabrikam.com is a

production forest that contains identities used for internal user and computer authentication. Rd.fabrikam.com is used by the research and development (R&D) department only.

Network Infrastructure:

Each office contains at least one domain controller from the corp.fabrikam.com domain. The main office contains all the domain controllers for the rd.fabrikam.com forest.

All the offices have a high-speed connection to the Internet.

An existing application named WebApp1 is hosted in the data center of the London office.

WebApp1 is used by customers to place and track orders. WebApp1 has a web tier that uses Microsoft Internet Information Services (IIS) and a database tier that runs Microsoft SQL Server 2016. The web tier and the database tier are deployed to virtual machines that run on Hyper-V. The IT department currently uses a separate Hyper-V environment to test updates to WebApp1. Fabrikam purchases all Microsoft licenses through a Microsoft Enterprise Agreement that includes Software Assurance.

Problem Statement:

The use of Web App1 is unpredictable. At peak times, users often report delays. At other times, many resources for WebApp1 are underutilized.

Requirements:

Planned Changes:

Fabrikam plans to move most of its production workloads to Azure during the next few years.

As one of its first projects, the company plans to establish a hybrid identity model, facilitating an upcoming Microsoft Office 365 deployment. All R&D operations will remain on-premises.

Fabrikam plans to migrate the production and test instances of WebApp1 to Azure.

Technical Requirements:

Fabrikam identifies the following technical requirements:

- * Web site content must be easily updated from a single point.
- * User input must be minimized when provisioning new app instances.
- * Whenever possible, existing on-premises licenses must be used to reduce cost.
- * Users must always authenticate by using their corp.fabrikam.com UPN identity.
- * Any new deployments to Azure must be redundant in case an Azure region fails.
- * Whenever possible, solutions must be deployed to Azure by using platform as a service (PaaS).
- * An email distribution group named IT Support must be notified of any issues relating to the directory synchronization services.
- * Directory synchronization between Azure Active Directory (Azure AD) and corp.fabrikam.com must not be affected by a link failure between Azure and the on-premises network.

Database Requirements:

Fabrikam identifies the following database requirements:

- * Database metrics for the production instance of WebApp1 must be available for analysis so that database administrators can optimize the performance settings.
- * To avoid disrupting customer access, database downtime must be minimized when databases are migrated.

* Database backups must be retained for a minimum of seven years to meet compliance requirement Security Requirements:

Fabrikam identifies the following security requirements:

*Company information including policies, templates, and data must be inaccessible to anyone outside the company

*Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails. *Administrators must be able authenticate to the Azure portal by using their corp.fabrikam.com credentials.

*All administrative access to the Azure portal must be secured by using multi-factor authentication.

*The testing of WebApp1 updates must not be visible to anyone outside the company.

NEW QUESTION: 86

You have five .NET Core applications that run on 10 Azure virtual machines in the same subscription.

You need to recommend a solution to ensure that the applications can authenticate by using the same Azure Active Directory (Azure AD) identity. The solution must meet the following requirements:

* Ensure that the applications can authenticate only when running on the 10 virtual machines.

* Minimize administrative effort.

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.

Answer:

Explanation

NEW QUESTION: 87

You are designing a virtual machine that will run Microsoft SQL Server and will contain two data disks. The first data disk will store log files, and the second data disk will store data. Both disks are P40 managed disks.

You need to recommend a caching policy for each disk. The policy must provide the best overall performance for the virtual machine.

Which caching policy should you recommend for each disk? To answer, drag the appropriate policies to the correct disks. Each policy may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

1 - None

2 - ReadOnly

References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sql/virtual-machines-windows-sql-performance>

NEW QUESTION: 88

You have an Azure subscription named Subscription1 that is linked to a hybrid Azure Active Directory (Azure AD) tenant.

You have an on-premises datacenter that does NOT have a VPN connection to Subscription1. The datacenter contains a computer named Server1 that has Microsoft SQL Server 2016 installed. Server1 is prevented from accessing the internet. An Azure logic app named LogicApp1 requires write access to a database on Server1.

You need to recommend a solution to provide LogicApp1 with the ability to access Server1. What should you recommend deploying on-premises and in Azure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

NEW QUESTION: 89

HOTSPOT

You are building an application that will run in a virtual machine (VM). The application will use Azure Managed Identity.

The application uses Azure Key Vault, Azure SQL Database, and Azure Cosmos DB.

You need to ensure the application can use secure credentials to access these services.

Which authentication method should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer:

Explanation:

Note: Managed identities for Azure resources is the new name for the service formerly known as Managed Service Identity (MSI).

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview>

NEW QUESTION: 90

You have an Azure App Service Web App that includes Azure Blob storage and an Azure SQL Database instance. The application is instrumented by using the Application Insights SDK.

You need to design a monitoring solution for the web app.

Which Azure monitoring services should you use? To answer, select the appropriate Azure monitoring services in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

NEW QUESTION: 91

Your organization has developed and deployed several Azure App Service Web and API applications. The applications use Azure Key Vault to store several authentication, storage account, and data encryption keys.

Several departments have the following requests to support the applications:

You need to recommend the appropriate Azure service for each department request.

What should you recommend? To answer, configure the appropriate options in the dialog box in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

<https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview>

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NEW QUESTION: 92

You are reviewing the budget for Azure Storage as shown in the exhibit (Click the Exhibit tab.) All the virtual machines in the Azure subscription use Premium storage.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: correct selection is worth one point.

Answer:

Explanation

NEW QUESTION: 93

You are designing an Azure web app that will use Azure Active Directory (Azure AD) for authentication.

You need to recommend a solution to provide users from multiple Azure AD tenants with access to App1. The solution must ensure that the users use Azure Multi-Factor Authentication (MFA) when they connect to App1.

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

NOTE: Each correct selection is worth one point.

- A. Azure AD managed identities
- B. an identity Experience Framework policy
- C. Azure AD conditional access policies
- D. a Microsoft intune app protection policy
- E. an Azure application security group
- F. Azure AD guest accounts

Answer: A,C ([LEAVE A REPLY](#))

Explanation

<https://docs.microsoft.com/en-us/azure/active-directory/develop/v2-conditional-access-dev-guide>

<https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/howto-conditional-access-policy-azur>

NEW QUESTION: 94

You have 200 resource groups across 20 Azure subscriptions.

Your company's security policy states that the security administrator must verify all assignments of the Owner role for the subscriptions and resource groups once a month. All assignments that are not approved by the security administrator must be removed automatically. The security administrator must be prompted every month to perform the verification.

What should you use to implement the security policy?

- A. Access reviews in identity Governance
- B. role assignments in Azure Active Directory (Azure AD) Privileged Identity Management (PIM)
- C. Identity Secure Score in Azure Security Center
- D. the user risk policy Azure Active Directory (Azure AD) Identity Protection

Answer: ([SHOW ANSWER](#))

Azure Active Directory (Azure AD) access reviews enable organizations to efficiently manage group memberships, access to enterprise applications, and role assignments. User's access can be reviewed on a regular basis to make sure only the right people have continued access.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview>

NEW QUESTION: 95

Your company deploys an Azure App Service Web App.

During testing the application fails under load. The application cannot handle more than 100 concurrent user sessions. You enable the Always On feature. You also configure auto-scaling to increase counts from two to 10 based on HTTP queue length.

You need to improve the performance of the application.

Which solution should you use for each application scenario? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Box 1: Content Delivery Network

A content delivery network (CDN) is a distributed network of servers that can efficiently deliver web content to users. CDNs store cached content on edge servers in point-of-presence (POP) locations that are close to end users, to minimize latency.

Azure Content Delivery Network (CDN) offers developers a global solution for rapidly delivering high-bandwidth content to users by caching their content at strategically placed physical nodes across the world. Azure CDN can also accelerate dynamic content, which cannot be cached, by leveraging various network optimizations using CDN POPs. For example, route optimization to bypass Border Gateway Protocol (BGP).

Box 2: Azure Redis Cache

Azure Cache for Redis is based on the popular software Redis. It is typically used as a cache to improve the performance and scalability of systems that rely heavily on backend data-stores. Performance is improved by temporarily copying frequently accessed data to fast storage located close to the application. With Azure Cache for Redis, this fast storage is located in-memory with Azure Cache for Redis instead of being loaded from disk by a database.

References:

<https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-overview>

NEW QUESTION: 96

Your company develops a web service that is deployed to an Azure virtual machine named VM1. The web service allows an API to access real-time data from VM1.

The current virtual machine deployment is shown in the Deployment exhibit. (Click the Deployment tab).

The chief technology officer (CTO) sends you the following email message: "Our developers have deployed the web service to a virtual machine named VM1. Testing has shown that the API is accessible from VM1 and VM2. Our partners must be able to connect to the API over the Internet. Partners will use this data in applications that they develop." You deploy an Azure API Management (APIM) service. The relevant API Management configuration is shown in the API exhibit. (Click the API tab.)

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer:

Reference:

<https://docs.microsoft.com/en-us/azure/api-management/api-management-using-with-vnet>

NEW QUESTION: 97

Your company develops a web service that is deployed to at, Azure virtual machine named VM1 the web service allows an API to access real- time data from VM1. The current virtual machine deployment is shown in the Deployment exhibit. (Click the Deployment tab).

The chief technology officer (CTO) sends you the following email message: "Our developers have deployed the web service to a virtual machine named WL Testing has shown that the API is accessible from VM1 and VM? Our partners must be able to connect to the API over the Internet Partners will me this data in applications that they develop:

You deploy an Azure API Management service. The relevant API Management configuration is shown in the API ambit. (Click the API tab).

For each of the following statements, select. Yes, if the statement is true. Otherwise. select No. NOTE: Each correct selection is worth one point.

Answer:

NEW QUESTION: 98

You are designing an order processing system in Azure that will contain the Azure resources shown in the following table.

The order processing system will have the following transaction flow:

A customer will place an order by using App1.

When the order is received, App1 will generate a message to check for product availability at vendor 1 and vendor 2.

An integration component will process the message, and then trigger either Function1 or Function2 depending on the type of order.

Once a vendor confirms the product availability, a status message for App1 will be generated by Function1 or Function2.

All the steps of the transaction will be logged to storage1.

Which type of resource should you recommend for the integration component?

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Which type of resource should you recommend for the integration component?

- A. an Azure Data Factory pipeline
- B. an Azure Service Bus queue
- C. an Azure Event Grid domain
- D. an Azure Event Hubs capture

Answer: ([SHOW ANSWER](#))

A data factory can have one or more pipelines. A pipeline is a logical grouping of activities that together perform a task.

The activities in a pipeline define actions to perform on your data.

Data Factory has three groupings of activities: data movement activities, data transformation activities, and control activities.

Azure Functions is now integrated with Azure Data Factory, allowing you to run an Azure function as a step in your data factory pipelines.

Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/concepts-pipelines-activities>

NEW QUESTION: 99

You need to recommend a solution for the user at Contoso to authenticate to the cloud-based services and the Azure AD-integrated application. 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.

Answer:

NEW QUESTION: 100

You have an Azure subscription. The subscription contains Azure virtual machines that run Windows Server 2016 and Linux.

You need to use Azure Log Analytics design an alerting strategy for security-related events. Which Log Analytics tables should you query? To answer, drag the appropriate tables to the correct log types. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/log-analytics-agent>

Windows Event logs --> Information sent to the Windows event logging system. Syslog --> Information sent to the Linux event logging system.

NEW QUESTION: 101

You have a web application that uses a MongoDB database. You plan to migrate the web application to Azure.

You must migrate to Cosmos DB while minimizing code and configuration changes.

You need to design the Cosmos DB configuration.

What should you recommend? To answer, select the appropriate values in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/create-mongodb-dotnet>

NEW QUESTION: 102

You need to design a highly available Azure SQL database that meets the following requirements:

- * Failover between replicas of the database must occur without any data loss.
- * The database must remain available in the event of a zone outage.
- * Costs must be minimized.

Which deployment option should you use?

- A. Azure SQL Database Serverless
- B. Azure SQL Database Hyperscale
- C. Azure SQL Database Managed Instance Business Critical
- D. Azure SQL Database Business Critical

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 103

You need to recommend a solution for data of the historical transaction query system.

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

NOTE: Each correct selection is worth one point

Answer:

NEW QUESTION: 104

You need to recommend a solution for configuring the Azure Multi-Factor Authentication (MFA) settings.

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.

Answer:

References:

<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-sign-in-risk-policy>

<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-mfa-policy>

NEW QUESTION: 105

You are designing a solution for a stateless front-end application named Application1.

Application1 will be hosted on two Azure virtual machines named VM1 and VM2.

You plan to load balance connections to VM1 and VM2 from the Internet by using one Azure load balancer.

You need to recommend the minimum number of required public IP addresses.

How many public IP addresses should you recommend using for each resource? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

NEW QUESTION: 106

You are designing a software as a service (SaaS) application that will enable Azure Active Directory (Azure AD) users to create and publish surveys. The SaaS application will have a front-end web app and a back-end web API. The web app will rely on the web API to handle updates to customer surveys.

You need to design an authorization flow for the SaaS application. The solution must meet the following requirements:

To access the back-end web API, the web app must authenticate by using OAuth 2 bearer tokens.

The web app must authenticate by using the identities of individual users.

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.

Answer:

References:

<https://docs.microsoft.com/lb-lu/azure/architecture/multitenant-identity/web-api>

<https://docs.microsoft.com/en-us/azure/active-directory/develop/quickstart-v1-dotnet-webapi>

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NEW QUESTION: 107

Your company is designing a multi-tenant application that will use elastic pools and Azure SQL databases. The application will be used by 30 customers.

You need to design a storage solution for the application. The solution must meet the following requirements:

Operational costs must be minimized.

All customers must have their own database.

The customer databases will be in one of the following three Azure regions: East US, North Europe, or South Africa North.

What is the minimum number of elastic pools and Azure SQL Database servers required? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Reference:

<https://vincentlauzon.com/2016/12/18/azure-sql-elastic-pool-overview/>

NEW QUESTION: 108

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

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.

Answer:

NEW QUESTION: 109

Your company deploys several Linux and Windows virtual machines (VMs) to Azure. The VMs are deployed with the Microsoft Dependency Agent and the Log Analytics Agent installed by using Azure VM extensions.

On-premises connectivity has been enabled by using Azure ExpressRoute.

You need to design a solution to monitor the VMs.

Which Azure monitoring services should you use? To answer, select the appropriate Azure monitoring services in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Box 1: Azure Traffic Analytics

Traffic Analytics is a cloud-based solution that provides visibility into user and application activity in cloud networks. Traffic analytics analyzes Network Watcher network security group (NSG) flow logs to provide insights into traffic flow in your Azure cloud. With traffic analytics, you can:

- * Identify security threats to, and secure your network, with information such as open-ports, applications attempting internet access, and virtual machines (VM) connecting to rogue networks.
- * Visualize network activity across your Azure subscriptions and identify hot spots.
- * Understand traffic flow patterns across Azure regions and the internet to optimize your network deployment for performance and capacity.
- * Pinpoint network misconfigurations leading to failed connections in your network.

Box 2: Azure Service Map

Service Map automatically discovers application components on Windows and Linux systems and maps the communication between services. With Service Map, you can view your servers in the way that you think of them: as interconnected systems that deliver critical services. Service Map shows connections between servers, processes, inbound and outbound connection latency, and ports across any TCP-connected architecture, with no configuration required other than the installation of an agent.

References:

<https://docs.microsoft.com/en-us/azure/network-watcher/traffic-analytics>

<https://docs.microsoft.com/en-us/azure/azure-monitor/insights/service-map>

NEW QUESTION: 110

Your company has the divisions shown in the following table.

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

- * A resource group
- * An Azure web app
- * Custom role assignments
- * 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.

Answer:

Explanation:

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>

NEW QUESTION: 111

A company named Contoso Ltd., has a single-domain Active Directory forest named contoso.com.

Contoso is preparing to migrate all workloads to Azure. Contoso wants users to use single sign-on (SSO) when they access cloud-based services that integrate with Azure Active Directory (Azure AD).

You need to identify any objects in Active Directory that will fail to synchronize to Azure AD due to formatting issues. The solution must minimize costs.

What should you include in the solution?

- A.** Azure Advisor
- B.** Microsoft Office 365 IdFix
- C.** Azure AD Connect Health
- D.** Password Export Server version 3.1 (PES v3.1) in Active Directory Migration Tool (ADMT)

Answer: B (LEAVE A REPLY)

<https://docs.microsoft.com/en-us/troubleshoot/azure/active-directory/objects-dont-sync-ad-sync-tool>

NEW QUESTION: 112

Note: This question is 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 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 Azure AD Connect server to use pass-through authentication and select the Enable single sign-on option.

Does the solution meet the goal?

A. Yes

B. No

Answer: A (LEAVE A REPLY)

Explanation

Azure Active Directory Seamless Single Sign-On (Azure AD Seamless SSO) automatically signs users in when they are on their corporate devices connected to your corporate network. When enabled, users don't need to type in their passwords to sign in to Azure AD, and usually, even type in their usernames. This feature provides your users easy access to your cloud-based applications without needing any additional on-premises components.

Seamless SSO can be combined with either the Password Hash Synchronization or Pass-through Authentication sign-in methods.

Reference:

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

NEW QUESTION: 113

You plan to move a web application named App1 from an on-premises data center to Azure.

App1 depends on a custom COM component that is installed on the host server.

You need to recommend a solution to host App1 in Azure. The solution must meet the following requirements:

App1 must be available to users if an Azure data center becomes unavailable.

Costs must be minimized.

What should you include in the recommendation?

A. In two Azure regions, deploy a load balancer and a web app.

- B. In two Azure regions, deploy a Traffic Manager profile and a web app.
- C. Deploy a load balancer and a virtual machine scale set across two availability zones.
- D. In two Azure regions, deploy a load balancer and a virtual machine scale set.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 114

You have an Azure subscription that contains an Azure SQL database.
You are evaluating whether to use Azure reservations on the Azure SQL database.
Which tool should you use to estimate the potential savings?

- A. The Purchase reservations blade in the Azure portal
- B. The Advisor blade in the Azure portal
- C. The SQL database blade in the Azure portal

Answer: A ([LEAVE A REPLY](#))

Explanation

Buy reserved capacity

- * Sign in to the Azure portal.
- * Select All services > Reservations.
- * Select Add and then in the Purchase Reservations pane, select SQL Database to purchase a new reservation for SQL Database.
- * Fill in the required fields. Existing databases in SQL Database and SQL Managed Instance that match the attributes you select qualify to get the reserved capacity discount. The actual number of databases or managed instances that get the discount depends on the scope and quantity selected.

Graphical user interface, text Description automatically generated

- * Review the cost of the capacity reservation in the Costs section.
- * Select Purchase.
- * Select View this Reservation to see the status of your purchase.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/reserved-capacity-overview>

NEW QUESTION: 115

You are designing a storage solution that will use Azure Blob storage. The data will be stored in a cool access tier or an archive access tier based on the access patterns of the data.

You identify the following types of infrequently accessed data:

Telemetry data: Deleted after two years

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Promotional material: Deleted after 14 days

Virtual machine audit data: Deleted after 200 days

A colleague recommends using the archive access tier to store the data.

Which statement accurately describes the recommendation?

- A. Storage costs will be based on a minimum of 30 days.

- B. Access to the data is guaranteed within five minutes.
- C. Access to the data is guaranteed within 30 minutes.
- D. Storage costs will be based on a minimum of 180 days.

Answer: D ([LEAVE A REPLY](#))

Explanation

The following table shows a comparison of premium performance block blob storage, and the hot, cool, and archive access tiers.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

NEW QUESTION: 116

You need to recommend a solution for the users at Contoso to authenticate to the cloud-based services and the Azure AD-integrated applications.

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.

Answer:

NEW QUESTION: 117

You need to recommend a disaster recovery solution for the back-end tier of the payment processing system.

What should you include in the recommendation?

- A. Always On Failover Cluster Instances
- B. active geo-replication
- C. Azure Site Recovery
- D. an auto-failover group

Answer: ([SHOW ANSWER](#))

Explanation

References:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-auto-failover-group> Scenario:

* The back-end data store is implemented as a Microsoft SQL Server 2014 database.

* If a data center fails, ensure that the payment processing system remains available without any administrative intervention.

Note: Auto-failover groups is a SQL Database feature that allows you to manage replication and failover of a group of databases on a SQL Database server or all databases in a managed instance to another region. It is a declarative abstraction on top of the existing active geo-replication feature, designed to simplify deployment and management of geo-replicated databases at scale.

Reference:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-auto-failover-group>

NEW QUESTION: 118

Your on-premises network contains a file server named Server1 that stores 500 GB of data.

You need to use Azure Data Factory to copy the data from Server1 to Azure Storage.

You add a new data factory.

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

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Box 1: Install a self-hosted integration runtime

The Integration Runtime is a customer-managed data integration infrastructure used by Azure Data Factory to provide data integration capabilities across different network environments.

Box 2: Create a pipeline

With ADF, existing data processing services can be composed into data pipelines that are highly available and managed in the cloud. These data pipelines can be scheduled to ingest, prepare, transform, analyze, and publish data, and ADF manages and orchestrates the complex data and processing dependencies

References:

<https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/move-sql-azure-adf>

NEW QUESTION: 119

You have an Azure Active Directory (Azure AD) tenant.

You plan to use Azure Monitor to monitor user sign-ins and generate alerts based on specific user sign-in events.

You need to recommend a solution to trigger the alerts based on the events.

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.

Answer:

Reference:

<https://4sysops.com/archives/how-to-create-an-azure-ad-admin-login-alert/>

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/alerts-log>

NEW QUESTION: 120

You are evaluating the components of the migration to Azure that require you to provision an Azure Storage account.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer:**NEW QUESTION: 121**

You are designing a virtual machine that will run Microsoft SQL Server and will contain two data disks. The first data disk will store log files, and the second data disk will store data. Both disks are P40 managed disks.

You need to recommend a caching policy for each disk. The policy must provide the best overall performance for the virtual machine.

Which caching policy should you recommend for each disk? To answer, drag the appropriate policies to the correct disks. Each policy may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sql/virtual-machines-windows-sql-performance>

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NEW QUESTION: 122

You have an Azure subscription.

Your on-premises network contains a file server named Server1. Server 1 stores 5 TB of company files that are accessed rarely.

You plan to copy the files to Azure Storage.

You need to implement a storage solution for the files that meets the following requirements:

- * The files must be available within 24 hours of being requested.
- * Storage costs must be minimized.

Which two possible storage solutions achieve this goal? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A.** Create a general-purpose v1 storage account. Create a file share in the storage account and copy the files to the file share.
- B.** Create a general-purpose v1 storage account. Create a blob container and copy the files to the blob container.
- C.** Create a general-purpose v2 storage account that is set to the Hot access tier. Create a blob container, copy the files to the blob container, and set each file to the Archive access tier.
- D.** Create an Azure Blob storage account that is set to the Cool access tier. Create a blob container, copy the files to the blob container, and set each file to the Archive access tier.

E. Create a general-purpose v2 storage account that is set to the Cool access tier. Create a file share in the storage account and copy the files to the file share.

Answer: C,D ([LEAVE A REPLY](#))

NEW QUESTION: 123

You plan to deploy an Azure web app named App1 that will use Azure Active Directory (Azure AD) authentication.

App1 will be accessed from the internet by the users at your company. All the users have computers that run Windows 10 and are joined to Azure AD.

You need to recommend a solution to ensure that the users can connect to App1 without being prompted for authentication and can access App1 only from company-owned computers.

What should you recommend for each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Box 1: An Azure AD app registration

Azure active directory (AD) provides cloud based directory and identity management services. You can use azure AD to manage users of your application and authenticate access to your applications using azure active directory.

You register your application with Azure active directory tenant.

Box 2: A conditional access policy

Conditional Access policies at their simplest are if-then statements, if a user wants to access a resource, then they must complete an action.

By using Conditional Access policies, you can apply the right access controls when needed to keep your organization secure and stay out of your user's way when not needed.

Reference:

<https://codingcanvas.com/using-azure-active-directory-authentication-in-your-web-application/>

<https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/overview>

NEW QUESTION: 124

You have an Azure subscription that contains the resources shown in the following table.

You create an Azure SQL database named DB1 that is hosted in the East US region.

To DB1, you add a diagnostic setting named Settings1. Settings1 archives SQLInsights to storage1 and sends SQLInsights to Workspace1.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selections is worth one point.

Answer:

NEW QUESTION: 125

You are designing a cost-optimized solution that uses Azure Batch to run two types of jobs on Linux nodes. The first job type will consist of short-running tasks for a development environment. The second job type will consist of long-running Message Passing Interface (MPI) applications for a production environment that requires timely job completion.

You need to recommend the pool type and node type for each job type. The solution must minimize compute charges and leverage Azure Hybrid Benefit whenever possible.

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

NOTE: Each correct selection is worth one point.

Answer:

Reference:

<https://docs.microsoft.com/en-us/azure/batch/batch-low-pri-vms>

NEW QUESTION: 126

You have 100 devices that write performance data to Azure Blob storage

You plan to store and analyze the performance data in an Azure SQL database.

You need to recommend a solution to move the performance data to the SQL database.

What should you include in the recommendation?

- A. Azure Database Migration Service
- B. Data Migration Assistant
- C. Azure Data Box
- D. Azure Data Factory

Answer: ([SHOW ANSWER](#))

You can copy data from Azure Blob to Azure SQL Database using Azure Data Factory.

Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/tutorial-copy-data-dot-net>

NEW QUESTION: 127

You have an Azure subscription.

You need to recommend a solution to provide developers with the ability to provision Azure virtual machines.

The solution must meet the following requirements:

* Only allow the creation of the virtual machines in specific regions.

* Only allow the creation of specific sizes of virtual machines.

What should you include in the recommendation?

- A. Azure Policy
- B. Azure Resource Manager templates
- C. conditional access policies
- D. role-based access control (RBAC)

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 128

A company plans to implement an HTTP-based API to support a web app. The web app allows customers to check the status of their orders.

The API must meet the following requirements:

- * Implement Azure Functions
- * Provide public read-only operations
- * Do not allow write operations

You need to recommend configuration options.

What should you recommend? To answer, configure the appropriate options in the dialog box in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Allowed authentication methods: GET only

Authorization level: Anonymous

The option is Allow Anonymous requests. This option turns on authentication and authorization in App Service, but defers authorization decisions to your application code. For authenticated requests, App Service also passes along authentication information in the HTTP headers. This option provides more flexibility in handling anonymous requests.

References:

<https://docs.microsoft.com/en-us/azure/app-service/overview-authentication-authorization>

NEW QUESTION: 129

You need to recommend a solution for the user at Contoso to authenticate to the cloud-based sconces and the Azure AD-integrated application. 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.

Answer:

NEW QUESTION: 130

You have an Azure subscription that contains the SQL servers shown in the following table.

The subscription contains the storage accounts shown in the following table.

You create the Azure SQL databases shown in the following table.

Answer:

Explanation

Box 1: Yes

Be sure that the destination is in the same region as your database and server.

Box 2: No

Box 3: No

Reference:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-auditing>

NEW QUESTION: 131

You have an Azure subscription that contains the resources shown in the following table. You create an Azure SQL database named DB1 that is hosted in the East US region. To DB1, you add a diagnostic setting named Settings1. Settings1 archives SQLInsights to storage1 and sends SQLInsights to Workspace1.

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer:

NEW QUESTION: 132

You need to recommend a solution for configuring the Azure Multi-Factor Authentication (MFA) settings.

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.

Answer:

Explanation

References:

<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-sign-in-risk-policy>

<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-mfa-policy>

NEW QUESTION: 133

HOTSPOT

To meet the authentication requirements of Fabrikam, 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:

Answer:

Explanation:

Box 1: 2

The network contains two Active Directory forests named corp.fabrikam.com and rd.fabrikam.com. There are no trust relationships between the forests.

Box 2: 1

Box 3: 1

Scenario:

* Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails.

* Administrators must be able to authenticate to the Azure portal by using their corp.fabrikam.com credentials.

* All administrative access to the Azure portal must be secured by using multi-factor authentication.

Note:

Users must always authenticate by using their corp.fabrikam.com UPN identity.

The network contains two Active Directory forests named corp.fabrikam.com and rd.fabrikam.com. There are no trust relationships between the forests.

Corp.fabrikam.com is a production forest that contains identities used for internal user and computer authentication.

Rd.fabrikam.com is used by the research and development (R&D) department only.

Design Identity and Security

Question Set 2

NEW QUESTION: 134

You are designing a message application that will run on an on-premises Ubuntu virtual machine.

The application will use Azure Storage queues.

You need to recommend a processing solution for the application to interact with the storage queues. The solution must meet the following requirements:

- * Create and delete queues daily.
- * Be scheduled by using a CRON job.
- * Upload messages every five minutes.

What should developers use to interact with the queues?

- A. Azure CLI
- B. AzCopy
- C. Azure Data Factory
- D. .NET Core

Answer: (SHOW ANSWER)

Incorrect Answers:

A: It is not possible to have Linux running in Windows Azure

B: AzCopy is a command-line utility that you can use to copy blobs or files to or from a storage account.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/queues/storage-tutorial-queues> Design

Infrastructure Testlet 2 Case Study This is a case study. Case studies are not timed separately.

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Overview

Contoso, Ltd, is a US-based financial services company that has a main office in New York and a branch office in San Francisco.

Existing Environment. Payment Processing System

Contoso hosts a business-critical payment processing system in its New York data center. The system has three tiers: a front-end web app, a middle-tier web API, and a back-end data store implemented as a Microsoft SQL Server 2014 database. All servers run Windows Server 2012 R2.

The front-end and middle-tier components are hosted by using Microsoft Internet Information Services (IIS). The application code is written in C# and ASP.NET. The middle-tier API uses the Entity Framework to communicate to the SQL Server database. Maintenance of the database is performed by using SQL Server Agent jobs.

The database is currently 2 TB and is not expected to grow beyond 3 TB.

The payment processing system has the following compliance-related requirements:

- * Encrypt data in transit and at rest. Only the front-end and middle-tier components must be able to access the encryption keys that protect the data store.
- * Keep backups of the data in two separate physical locations that are at least 200 miles apart and can be restored for up to seven years.
- * Support blocking inbound and outbound traffic based on the source IP address, the destination IP address, and the port number.
- * Collect Windows security logs from all the middle-tier servers and retain the logs for a period of seven years.
- * Inspect inbound and outbound traffic from the front-end tier by using highly available network appliances.
- * Only allow all access to all the tiers from the internal network of Contoso.

Tape backups are configured by using an on-premises deployment of Microsoft System Center Data Protection Manager (DPM), and then shipped offsite for long term storage.

Existing Environment. Historical Transaction Query System

Contoso recently migrated a business-critical workload to Azure. The workload contains a .NET web service for querying the historical transaction data residing in Azure Table Storage. The .NET web service is accessible from a client app that was developed in-house and runs on the client computers in the New York office. The data in the table storage is 50 GB and is not expected to increase.

Existing Environment. Current Issues

The Contoso IT team discovers poor performance of the historical transaction query system, as the queries frequently cause table scans.

Requirements. Planned Changes

Contoso plans to implement the following changes:

- * Migrate the payment processing system to Azure.
- * Migrate the historical transaction data to Azure Cosmos DB to address the performance issues.

Requirements. Migration Requirements

Contoso identifies the following general migration requirements:

- * Infrastructure services must remain available if a region or a data center fails. Failover must occur without any administrative intervention.
- * Whenever possible, Azure managed services must be used to minimize management overhead.
- * Whenever possible, costs must be minimized.

Contoso identifies the following requirements for the payment processing system:

- * If a data center fails, ensure that the payment processing system remains available without any administrative intervention. The middle-tier and the web front end must continue to operate without any additional configurations.
- * Ensure that the number of compute nodes of the front-end and the middle tiers of the payment processing system can increase or decrease automatically based on CPU utilization.
- * Ensure that each tier of the payment processing system is subject to a Service Level Agreement (SLA) of 99.99 percent availability.
- * Minimize the effort required to modify the middle-tier API and the back-end tier of the payment processing system.
- * Payment processing system must be able to use grouping and joining tables on encrypted columns.
- * Generate alerts when unauthorized login attempts occur on the middle-tier virtual machines.
- * Ensure that the payment processing system preserves its current compliance status.
- * Host the middle tier of the payment processing system on a virtual machine

Contoso identifies the following requirements for the historical transaction query system:

- * Minimize the use of on-premises infrastructure services.
- * Minimize the effort required to modify the .NET web service querying Azure Cosmos DB.
- * Minimize the frequency of table scans.
- * If a region fails, ensure that the historical transaction query system remains available without any administrative intervention.

Requirements. Information Security Requirements

The IT security team wants to ensure that identity management is performed by using Active Directory.

Password hashes must be stored on-premises only.

Access to all business-critical systems must rely on Active Directory credentials. Any suspicious authentication attempts must trigger a multi-factor authentication prompt automatically.

NEW QUESTION: 135

You have multiple Anne deployments.

You plan to implement Azure Blueprints.

Which artifact types can be added to a blueprint?

- A. Subscriptions, tenants, Resource group, and Key vault only
- B. Policy assignment Resource group, Role assignment virtual machines, and virtual networks only
- C. Azure Resource Manager template (Subscription), Policy assignment Resource group, and Role assignment only
- D. Subscriptions, tenants, Resource group, and Azure Active Directory only

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 136

You have an Azure subscription that contains 100 virtual machines.

You plan to design a data protection strategy to encrypt the virtual disks.

You need to recommend a solution to encrypt the disks by using Azure Disk Encryption. The solution must provide the ability to encrypt operating system disks and data disks.

What should you include in the recommendation?

- A. a certificate
- B. a key
- C. a passphrase
- D. a secret

Answer: (SHOW ANSWER)

For enhanced virtual machine (VM) security and compliance, virtual disks in Azure can be encrypted. Disks are encrypted by using cryptographic keys that are secured in an Azure Key Vault. You control these cryptographic keys and can audit their use.

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/encrypt-disks>

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NEW QUESTION: 137

A company named Contoso, Ltd- has an Azure Active Directory {Azure AD) tenant that uses the Basic license.

You plan to deploy two applications to Azure. The applications have the requirements shown in the following table.

Which authentication strategy should you recommend for each application? To answer, drag the appropriate authentication strategies to the correct applications. Each authentication strategy may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Box 1: Azure AD V2.0 endpoint

Microsoft identity platform is an evolution of the Azure Active Directory (Azure AD) developer platform. It allows developers to build applications that sign in all Microsoft identities and get tokens to call Microsoft APIs, such as Microsoft Graph, or APIs that developers have built. The Microsoft identity platform consists of:

OAuth 2.0 and OpenID Connect standard-compliant authentication service that enables developers to authenticate any Microsoft identity, including:

Work or school accounts (provisioned through Azure AD)

Personal Microsoft accounts (such as Skype, Xbox, and Outlook.com)

Social or local accounts (via Azure AD B2C)

Box 2: Azure AD B2C tenant

Azure Active Directory B2C provides business-to-customer identity as a service. Your customers use their preferred social, enterprise, or local account identities to get single sign-on access to your applications and APIs.

Azure Active Directory B2C (Azure AD B2C) integrates directly with Azure Multi-Factor Authentication so that you can add a second layer of security to sign-up and sign-in experiences in your applications.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory-b2c/active-directory-b2c-reference-mfa>

<https://docs.microsoft.com/en-us/azure/active-directory/develop/v2-overview>

NEW QUESTION: 138

You need to recommend a data storage strategy for WebApp1.

What should you include in in the recommendation?

A. an Azure SQL Database elastic pool

B. a fixed-size DTU AzureSQL database.

- C. an Azure virtual machine that runs SQL Server
- D. a vCore-based Azure SQL database

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 139

You need to recommend a solution to meet the database retention requirement. What should you recommend?

- A. Configure a long-term retention policy for the database.
- B. Configure Azure Site Recovery.
- C. Configure geo replication of the database.
- D. Use automatic Azure SQL Database backups.

Answer: ([SHOW ANSWER](#))

Topic 1, Fabrikam, inc Case Study A

Overview:

Existing Environment

Fabrikam, Inc. is an engineering company that has offices throughout Europe. The company has a main office in London and three branch offices in Amsterdam Berlin, and Rome.

Active Directory Environment:

The network contains two Active Directory forests named corp.fabnkam.com and rd.fabrikam.com. There are no trust relationships between the forests. Corp.fabrikam.com is a production forest that contains identities used for internal user and computer authentication. Rd.fabrikam.com is used by the research and development (R&D) department only.

Network Infrastructure:

Each office contains at least one domain controller from the corp.fabrikam.com domain. The main office contains all the domain controllers for the rd.fabrikam.com forest.

All the offices have a high-speed connection to the Internet.

An existing application named WebApp1 is hosted in the data center of the London office.

WebApp1 is used by customers to place and track orders. WebApp1 has a web tier that uses Microsoft Internet Information Services (IIS) and a database tier that runs Microsoft SQL Server 2016. The web tier and the database tier are deployed to virtual machines that run on Hyper-V. The IT department currently uses a separate Hyper-V environment to test updates to WebApp1. Fabrikam purchases all Microsoft licenses through a Microsoft Enterprise Agreement that includes Segment Software Assurance.

Problem Statement:

The use of Web App1 is unpredictable. At peak times, users often report delays. At other times, many resources for WebApp1 are underutilized.

Requirements:

Planned Changes:

Fabrikam plans to move most of its production workloads to Azure during the next few years.

As one of its first projects, the company plans to establish a hybrid identity model, facilitating an upcoming Microsoft Office 365 deployment. All R&D operations will remain on-premises.

Fabrikam plans to migrate the production and test instances of WebApp1 to Azure.

Technical Requirements:

Fabrikam identifies the following technical requirements:

- * Web site content must be easily updated from a single point.
- * User input must be minimized when provisioning new app instances.
- * Whenever possible, existing on premises licenses must be used to reduce cost.
- * Users must always authenticate by using their corp.fabrikam.com UPN identity.
- * Any new deployments to Azure must be redundant in case an Azure region fails.
- * Whenever possible, solutions must be deployed to Azure by using platform as a service (PaaS).
- * An email distribution group named IT Support must be notified of any issues relating to the directory synchronization services.
- * Directory synchronization between Azure Active Directory (Azure AD) and corp.fabrikam.com must not be affected by a link failure between Azure and the on premises network.

Database Requirements:

Fabrikam identifies the following database requirements:

- * Database metrics for the production instance of WebApp1 must be available for analysis so that database administrators can optimize the performance settings.
- * To avoid disrupting customer access, database downtime must be minimized when databases are migrated.
- * Database backups must be retained for a minimum of seven years to meet compliance requirement

Security Requirements:

Fabrikam identifies the following security requirements:

- *Company information including policies, templates, and data must be inaccessible to anyone outside the company
- *Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails. *Administrators must be able to authenticate to the Azure portal by using their corp.fabrikam.com credentials.
- *All administrative access to the Azure portal must be secured by using multi-factor authentication.
- *The testing of WebApp1 updates must not be visible to anyone outside the company.

NEW QUESTION: 140

You are designing an Azure web app.

You plan to deploy the web app to the North Europe Azure region and the West Europe Azure region.

You need to recommend a solution for the web app. The solution must meet the following requirements:

- * Users must always access the web app from the North Europe region, unless the region fails.
- * The web app must be available to users if an Azure region is unavailable.
- * Deployment costs must be minimized.

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.

Answer:

Explanation

Graphical user interface, text, application, chat or text message Description automatically generated

NEW QUESTION: 141

You need to design a resource governance solution for an Azure subscription. The solution must meet the following requirements:

Ensure that all ExpressRoute resources are created in a resource group named RG1.

Delegate the creation of the ExpressRoute resources to an Azure Active Directory (Azure AD) group named Networking.

Use the principle of least privilege.

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.

Answer:

Reference:

<https://docs.microsoft.com/en-us/azure/governance/policy/tutorials/create-and-manage>

NEW QUESTION: 142

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

Answer: C ([LEAVE A REPLY](#))

Reference:

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

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Overview. General Overview

Litware, Inc. is a medium-sized finance company.

Overview. Physical Locations

Litware has a main office in Boston.

NEW QUESTION: 143

A company plans to implement an HTTP-based API to support a web app. The web app allows customers to check the status of their orders.

The API must meet the following requirements:

- * Implement Azure Functions
- * Provide public read-only operations
- * Do not allow write operations

You need to recommend configuration options.

What should you recommend? To answer, configure the appropriate options in the dialog box in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Allowed authentication methods: GET only

Authorization level: Anonymous

The option is Allow Anonymous requests. This option turns on authentication and authorization in App Service, but defers authorization decisions to your application code. For authenticated requests, App Service also passes along authentication information in the HTTP headers.

This option provides more flexibility in handling anonymous requests.

References:

<https://docs.microsoft.com/en-us/azure/app-service/overview-authentication-authorization>

NEW QUESTION: 144

You are reviewing the budget for Azure Storage as shown in the exhibit (Click the Exhibit tab.) All the virtual machines in the Azure subscription use Premium storage.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: correct selection is worth one point.

Answer:

NEW QUESTION: 145

To meet the authentication requirements of Fabrikam, 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.

Answer:

NEW QUESTION: 146

You need to recommend a solution to deploy containers that run an application. The application has two tiers.

Each tier is implemented as a separate Docker Linux-based image. The solution must meet the following requirements:

- * The front-end tier must be accessible by using a public IP address on port 80.
- * The backend tier must be accessible by using port 8080 from the front-end tier only.
- * Both containers must be able to access the same Azure file share.
- * If a container fails, the application must restart automatically.
- * Costs must be minimized.

What should you recommend using to host the application?

A. Azure Kubernetes Service (AKS)

B. Azure Service Fabric

C. Azure Container instances

Answer: C ([LEAVE A REPLY](#))

Azure Container Instances enables a layered approach to orchestration, providing all of the scheduling and management capabilities required to run a single container, while allowing orchestrator platforms to manage multi-container tasks on top of it.

Because the underlying infrastructure for container instances is managed by Azure, an orchestrator platform does not need to concern itself with finding an appropriate host machine on which to run a single container.

Azure Container Instances can schedule both Windows and Linux containers with the same API.

Orchestration of container instances exclusively

Because they start quickly and bill by the second, an environment based exclusively on Azure Container Instances offers the fastest way to get started and to deal with highly variable workloads.

Reference:

<https://docs.microsoft.com/en-us/azure/container-instances/container-instances-overview>

<https://docs.microsoft.com/en-us/azure/container-instances/container-instances-orchestrator-relationship>

NEW QUESTION: 147

You have an Azure virtual machine named VM1 that runs Windows Server 2019 and contains 500 GB of data files.

You are designing a solution that will use Azure Data Factory to transform the data files, and then load the files to Azure Data Lake Storage.

What should you deploy on VM1 to support the design?

- A. the Azure Pipelines agent
- B. the Azure File Sync agent
- C. the On-premises data gateway
- D. the self-hosted integration runtime in Azure

Answer: (SHOW ANSWER)

The integration runtime (IR) is the compute infrastructure that Azure Data Factory uses to provide data- integration capabilities across different network environments. For details about IR, see [Integration runtime overview](#).

A self-hosted integration runtime can run copy activities between a cloud data store and a data store in a private network. It also can dispatch transform activities against compute resources in an on-premises network or an Azure virtual network. The installation of a self-hosted integration runtime needs an on-premises machine or a virtual machine inside a private network.

Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/create-self-hosted-integration-runtime> Design

Data Storage Testlet 2 Case Study This is a case study. Case studies are not timed separately.

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Overview

Contoso, Ltd, is a US-based financial services company that has a main office in New York and a branch office in San Francisco.

Existing Environment. Payment Processing System

Contoso hosts a business-critical payment processing system in its New York data center. The system has three tiers: a front-end web app, a middle-tier web API, and a back-end data store implemented as a Microsoft SQL Server 2014 database. All servers run Windows Server 2012 R2.

The front-end and middle-tier components are hosted by using Microsoft Internet Information Services (IIS).

The application code is written in C# and ASP.NET. The middle-tier API uses the Entity Framework to communicate to the SQL Server database. Maintenance of the database is performed by using SQL Server Agent jobs.

The database is currently 2 TB and is not expected to grow beyond 3 TB.

The payment processing system has the following compliance-related requirements:

- * Encrypt data in transit and at rest. Only the front-end and middle-tier components must be able to access the encryption keys that protect the data store.
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- * Collect Windows security logs from all the middle-tier servers and retain the logs for a period of seven years.
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- * Only allow all access to all the tiers from the internal network of Contoso.

Tape backups are configured by using an on-premises deployment of Microsoft System Center Data Protection Manager (DPM), and then shipped offsite for long term storage.

Existing Environment. Historical Transaction Query System

Contoso recently migrated a business-critical workload to Azure. The workload contains a .NET web service for querying the historical transaction data residing in Azure Table Storage. The .NET web service is accessible from a client app that was developed in-house and runs on the client computers in the New York office. The data in the table storage is 50 GB and is not expected to increase.

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The Contoso IT team discovers poor performance of the historical transaction query system, as the queries frequently cause table scans.

Requirements. Planned Changes

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- * Migrate the historical transaction data to Azure Cosmos DB to address the performance issues.

Requirements. Migration Requirements

Contoso identifies the following general migration requirements:

- * Infrastructure services must remain available if a region or a data center fails. Failover must occur without any administrative intervention.
- * Whenever possible, Azure managed services must be used to minimize management overhead.
- * Whenever possible, costs must be minimized.

Contoso identifies the following requirements for the payment processing system:

- * If a data center fails, ensure that the payment processing system remains available without any administrative intervention. The middle-tier and the web front end must continue to operate without any additional configurations.
- * Ensure that the number of compute nodes of the front-end and the middle tiers of the payment processing system can increase or decrease automatically based on CPU utilization.
- * Ensure that each tier of the payment processing system is subject to a Service Level Agreement (SLA) of 99.99 percent availability.
- * Minimize the effort required to modify the middle-tier API and the back-end tier of the payment processing system.
- * Payment processing system must be able to use grouping and joining tables on encrypted columns.
- * Generate alerts when unauthorized login attempts occur on the middle-tier virtual machines.
- * Ensure that the payment processing system preserves its current compliance status.
- * Host the middle tier of the payment processing system on a virtual machine

Contoso identifies the following requirements for the historical transaction query system:

- * Minimize the use of on-premises infrastructure services.
- * Minimize the effort required to modify the .NET web service querying Azure Cosmos DB.
- * Minimize the frequency of table scans.
- * If a region fails, ensure that the historical transaction query system remains available without any administrative intervention.

Requirements. Information Security Requirements

The IT security team wants to ensure that identity management is performed by using Active Directory.

Password hashes must be stored on-premises only.

Access to all business-critical systems must rely on Active Directory credentials. Any suspicious authentication attempts must trigger a multi-factor authentication prompt automatically.

NEW QUESTION: 148

You manage a network that includes an on-premises Active Directory Domain Services domain and an Azure Active Directory (Azure AD).

Employees are required to use different accounts when using on-premises or cloud resources.

You must recommend a solution that lets employees sign in to all company resources by using a single account. The solution must implement an identity provider.

You need provide guidance on the different identity providers.

How should you describe each identity provider? To answer, select the appropriate description from each list in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

References:

<https://docs.microsoft.com/en-us/azure/active-directory-domain-services/active-directory-ds-overview>

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/whatis-fed>

NEW QUESTION: 149

You plan to store data in Azure Blob storage for many years. The stored data will be accessed rarely.

You need to ensure that the data in Blob storage is always available for immediate access. The solution must minimize storage costs.

Which storage tier should you use?

- A. Cool
- B. Archive
- C. Hot

Answer: A (LEAVE A REPLY)

Data in the cool access tier can tolerate slightly lower availability, but still requires high durability, retrieval latency, and throughput characteristics similar to hot data. For cool data, a slightly lower availability service-level agreement (SLA) and higher access costs compared to hot data are acceptable trade-offs for lower storage costs.

Incorrect Answers:

B: Archive storage stores data offline and offers the lowest storage costs but also the highest data rehydrate and access costs.

Archive - Optimized for storing data that is rarely accessed and stored for at least 180 days with flexible latency requirements (on the order of hours).

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

NEW QUESTION: 150

A company has an existing web application that runs on virtual machines (VMs) in Azure.

You need to ensure that the application is protected from SQL injection attempts and uses a layer-7 load balancer. The solution must minimize disruption to the code for the existing web application.

What should you recommend? To answer, drag the appropriate values to the correct items. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Box 1: Azure Application Gateway

Azure Application Gateway provides an application delivery controller (ADC) as a service. It offers various layer 7 load-balancing capabilities for your applications.

Box 2: Web Application Firewall (WAF)

Application Gateway web application firewall (WAF) protects web applications from common vulnerabilities and exploits.

This is done through rules that are defined based on the OWASP core rule sets 3.0 or 2.2.9.

There are rules that detects SQL injection attacks.

References:

<https://docs.microsoft.com/en-us/azure/application-gateway/application-gateway-faq>

<https://docs.microsoft.com/en-us/azure/application-gateway/waf-overview>

NEW QUESTION: 151

You have an on-premises application named App1 that uses an Oracle database.

You plan to use Azure Databricks to transform and load data from App1 to an Azure Synapse Analytics instance.

You need to ensure that the App1 data is available to Databricks.

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

NOTE: Each correct selection is worth one point.

- A. Azure Data Box Gateway
- B. Azure Data Lake Storage
- C. Azure Import/Export service
- D. Azure Data Factory
- E. Azure Data Box Edge

Answer: B,D (LEAVE A REPLY)

Automate data movement using Azure Data Factory, then load data into Azure Data Lake Storage, transform and clean it using Azure Databricks, and make it available for analytics using Azure Synapse Analytics.

Modernize your data warehouse in the cloud for unmatched levels of

Note: Integrate data silos with Azure Data Factory, a service built for all data integration needs and skill levels.

Easily construct ETL and ELT processes code-free within the intuitive visual environment, or write your own code. Visually integrate data sources using more than 90+ natively built and maintenance-free connectors at no added cost. Focus on your data-the serverless integration service does the rest.

Reference:

<https://azure.microsoft.com/en-us/services/databricks/#capabilities>

<https://azure.microsoft.com/en-us/services/data-factory/>

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NEW QUESTION: 152

Your company has 20 web APIs that were developed in-house.

The company is developing 10 web apps that will use the web APIs. The web apps and the APIs are registered in the company's Azure Active Directory (Azure AD) tenant. The web APIs are published by using Azure API Management.

You need to recommend a solution to block unauthorized requests originating from the web apps from reaching the web APIs. The solution must meet the following requirements:

Use Azure AD-generated claims.

Minimize configuration and management effort.

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.

Answer:

NEW QUESTION: 153

Your company develops a web service that is deployed to at, Azure virtual machine named VM1 the web service allows an API to access real- time data from VM1. The current virtual machine deployment is shown in the Deployment exhibit. (Click the Deployment tab).

The chief technology officer (CTO) sends you the following email message: "Our developers have deployed the web service to a virtual machine named WL Testing has shown that the API is accessible from VM1 and VM? Our partners must be able to connect to the API over the Internet Partners will me this data in applications that they develop:

You deploy an Azure API Management service. The relevant API Management configuration is shown in the API ambit. (Click the API tab).

For each of the following statements, select. Yes, if the statement is true. Otherwise. select No.

NOTE: Each correct selection is worth one point.

Answer:

NEW QUESTION: 154

You have an Azure Active Directory (Azure AD) tenant.

You plan to deploy Azure Cosmos DB databases that will use the SQL API.

You need to recommend a solution to provide specific Azure AD user accounts with read access to the Cosmos DB databases.

What should you include in the recommendation?

- A. certificates and Azure Key Vault
- B. a resource token and an Access control (IAM) role assignment
- C. master keys and Azure Information Protection policies
- D. shared access signatures (SAS) and conditional access policies

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 155

Your company deploys an Azure App Service Web App.

During testing the application fails under load. The application cannot handle more than 100 concurrent user sessions. You enable the Always On feature. You also configure auto-scaling to increase counts from two to 10 based on HTTP queue length.

You need to improve the performance of the application.

Which solution should you use for each application scenario? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

References:

<https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-overview>

NEW QUESTION: 156

You have an Azure blueprint named BP1.

The properties of BP1 are shown in the Properties exhibit. (Click the tab.)

The basic configuration of the blueprint is shown in the Basics exhibit. (Click the Basics tab.)

The artifacts attached to BP1 are shown in the Artifacts exhibit. (Click the Artifacts tab.)

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Box 1: No

BP1 is in draft mode.

When a blueprint is first created, it's considered to be in Draft mode. When it's ready to be assigned, it needs to be Published.

Box 2: No

The BP1 artifacts include one Policy assignment and a Resource group, but no Role assignments.

Note: Blueprints are a declarative way to orchestrate the deployment of various resource templates and other artifacts such as:

Role Assignments

Policy Assignments

Azure Resource Manager templates (ARM templates)

Resource Groups

Box 3: Yes

Yes, the BP1 artifacts include a Resource group.

Reference:

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

NEW QUESTION: 157

You have a web application that uses a MongoDB database. You plan to migrate the web application to Azure.

You must migrate to Cosmos DB while minimizing code and configuration changes.

You need to design the Cosmos DB configuration.

What should you recommend? To answer, select the appropriate values in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

MongoDB compatibility: API

API: MongoDB API

Azure Cosmos DB comes with multiple APIs:

SQL API, a JSON document database service that supports SQL queries. This is compatible with the former Azure DocumentDB.

MongoDB API, compatible with existing Mongo DB libraries, drivers, tools and applications.

Cassandra API, compatible with existing Apache Cassandra libraries, drivers, tools, and applications.

Azure Table API, a key-value database service compatible with existing Azure Table Storage.

Gremlin (graph) API, a graph database service supporting Apache Tinkerpop's graph traversal language, Gremlin.

References:

<https://docs.microsoft.com/en-us/azure/cosmos-db/create-mongodb-dotnet>

NEW QUESTION: 158

You have a virtual machine scale set named SS1.

You configure autoscaling as shown in the following exhibit.

You configure the scale out and scale in rules to have a duration of 10 minutes and a cool down time of 10 minutes.

Use the drop-down menus to select the answer choice that answers each question based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Box 1: 20 Minutes. 10 minutes cool down time after the last scale-up plus 10 minutes duration equals 20 minutes.

Box 2: 9 virtual machines. 30% does not match the scale in requirement of less than 25% so the number of virtual machines will not change.

NEW QUESTION: 159

You plan to deploy a network-intensive application to several Azure virtual machines.

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

- * Minimizes the use of the virtual machine processors to transfer data
- * Minimizes network latency

Which virtual machine size and feature should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sizes-hpc#h-series>

NEW QUESTION: 160

Your company plans to publish APIs for its services by using Azure API Management.

You discover that service responses include the `AspNet-Version` header.

You need to recommend a solution to remove `AspNet-Version` from the response of the published APIs.

What should you include in the recommendation?

- A. a new product
- B. a modification to the URL scheme
- C. a new policy
- D. a new revision

Answer: C (LEAVE A REPLY)

References:

<https://docs.microsoft.com/en-us/azure/api-management/transform-api>

NEW QUESTION: 161

You have data files in Azure Blob storage.

You plan to transform the files and move them to Azure Data Lake Storage.

You need to transform the data by using mapping data flow.

Which Azure service should you use?

- A. Azure Data Box Gateway
- B. Azure Storage Sync
- C. Azure Data Factory
- D. Azure Databricks

Answer: C (LEAVE A REPLY)

You can use Copy Activity in Azure Data Factory to copy data from and to Azure Data Lake Storage Gen2, and use Data Flow to transform data in Azure Data Lake Storage Gen2.

Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-data-lake-storage>

NEW QUESTION: 162

You have an Azure subscription that contains web apps in three Azure regions.

You need to implement Azure Key Vault to meet the following requirements:

- * In the event of a regional outage, all keys must be readable.
- * All the web apps in the subscription must be able to access Key Vault.
- * The number of Key Vault resources to be deployed and managed must be minimized.

How many instances of Key Vault should you implement?

- A. 1
- B. 2
- C. 3
- D. 6

Answer: A (LEAVE A REPLY)

The contents of your key vault are replicated within the region and to a secondary region at least 150 miles away but within the same geography. This maintains high durability of your keys and secrets. See the Azure paired regions document for details on specific region pairs.

Example: Secrets that must be shared by your application in both Europe West and Europe North. Minimize these as much as you can. Put these in a key vault in either of the two regions. Use the same URI from both regions. Microsoft will fail over the Key Vault service internally.

Reference:

<https://docs.microsoft.com/en-us/azure/key-vault/general/disaster-recovery-guidance>

NEW QUESTION: 163

You are designing a microservices architecture that will be hosted in an Azure Kubernetes Service (AKS) cluster. Apps that will consume the microservices will be hosted on Azure virtual machines. The virtual machines and the AKS cluster will reside on the same virtual network.

You need to design a solution to expose the microservices to the consumer apps. The solution must meet the following requirements:

- * Ingress access to the microservices must be restricted to a single private IP address and protected by using mutual TLS authentication.
- * The number of incoming microservice calls must be rate-limited.
- * Costs must be minimized.

What should you include in the solution?

- A. Azure API Management Premium tier with virtual network connection
- B. Azure Front Door with Azure Web Application Firewall (WAF)
- C. Azure API Management Standard tier with a service endpoint

D. Azure App Gateway with Azure Web Application Firewall (WAF)

Answer: ([SHOW ANSWER](#))

One option is to deploy APIM (API Management) inside the cluster VNet.

The AKS cluster and the applications that consume the microservices might reside within the same VNet, hence there is no reason to expose the cluster publicly as all API traffic will remain within the VNet. For these scenarios, you can deploy API Management into the cluster VNet. API Management Premium tier supports VNet deployment.

Reference:

<https://docs.microsoft.com/en-us/azure/api-management/api-management-kubernetes>

NEW QUESTION: 164

You need to configure an Azure policy to ensure that the Azure SQL databases have TDE enabled. The solution must meet the security and compliance requirements.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Answer:

- 1 - Create an Azure policy definition that uses the deployIfNotExists identity.
- 2 - Create an Azure policy assignment
- 3 - Invoke a remediation task

Reference:

<https://docs.microsoft.com/en-us/azure/governance/policy/how-to/remediate-resources>

NEW QUESTION: 165

You have an Azure subscription that contains a custom application named Application1 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.** In Azure Active Directory (AD) Privileged Identity Management, create a custom role assignment for the Application1 resources
- B.** Create an Azure Automation runbook that runs the Get-AzureADUserAppRoleAssignment cmdlet
- C.** Create an Azure Automation runbook that runs the Get-AzureRmRoleAssignment cmdlet
- D.** In Azure Active Directory (Azure AD), create an access review of Application1

Answer: D ([LEAVE A REPLY](#))

<https://docs.microsoft.com/en-us/azure/active-directory/governance/manage-user-access-with-access-reviews>

NEW QUESTION: 166

You plan to deploy logical Azure SQL Database servers to the East US Azure region and the West US Azure region. Each server will contain 20 databases. Each database will be accessed by a different user who resides in a different on-premises location. The databases will be configured to use active geo-replication.

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

- * Restricts user access to each database
 - * Restricts network access to each database based on each user's respective location
 - * Ensures that the databases remain accessible from client applications if the local Azure region fails
- 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.

Answer:

Explanation

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NEW QUESTION: 167

The developers at your company are building a static web app to support users sending text messages. The app must meet the following requirements:

- * Website latency must be consistent for users in different geographical regions.
- * Users must be able to authenticate by using Twitter and Facebook.
- * Code must include only HTML, native JavaScript and jQuery.
- * Costs must be minimized.

Which Azure service should you use to complete the architecture? To answer, drag the appropriate services to the correct locations. Each service may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

NEW QUESTION: 168

You plan to deploy an Azure web app named App1 that will use Azure Active Directory (Azure AD) authentication.

App1 will be accessed from the internet by the users at your company. All the users have computers that run Windows 10 and are joined to Azure AD.

You need to recommend a solution to ensure that the users can connect to App1 without being prompted for authentication and can access App1 only from company-owned computers.

What should you recommend for each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

NEW QUESTION: 169

You plan to deploy logical Azure SQL Database servers to the East US Azure region and the West US Azure region. Each server will contain 20 databases. Each database will be accessed by a different user who resides in a different on-premises location. The databases will be configured to use active geo-replication.

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

- * Restricts user access to each database
 - * Restricts network access to each database based on each user's respective location
 - * Ensures that the databases remain accessible from client applications if the local Azure region fails
- 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.

Answer:

Explanation

NEW QUESTION: 170

A company deploys Azure Active Directory (Azure AD) Connect to synchronize identity information from their on-premises Active Directory Domain Services (AD DS) directory to their Azure AD tenant. The identity information that is synchronized includes user accounts, credential hashes for authentication (password sync), and group memberships. The company plans to deploy several Windows and Linux virtual machines (VMs) to support their applications.

The VMs have the following requirements:

- * Support domain join. LDAP read. LDAP read. NTLM and Kerberos authentication and Group Policy.
- * Allow users to sign in to the domain using their corporate credential and connect remotely to the VM by using Remote Desktop.

You need to support the VM deployment.

Which service should you use?

- A.** Active Directory Federation Services (AD FS)
- B.** Azure AD privileged identity Management

C. Azure AD Domain Services

D. Azure Managed identity

Answer: ([SHOW ANSWER](#))

<https://docs.microsoft.com/en-us/azure/active-directory-domain-services/compare-identity-solutions>

NEW QUESTION: 171

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 need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:

- * Provide access to the full .NET framework.
- * Provide redundancy if an Azure region fails.
- * Grant administrators access to the operating system to install custom application dependencies.

Solution: You deploy two Azure virtual machines to two Azure regions, and you create a Traffic Manager profile.

Does this meet the goal?

A. Yes

B. No

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 172

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:

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 173

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:

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

* 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

Answer: C (LEAVE A REPLY)

Explanation

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>

NEW QUESTION: 174

You need to recommend a solution to generate a monthly report of all the new Azure Resource Manager resource deployment in your subscription. What should you include in the recommendation?

A. Azure Activity Log

B. Azure Monitor action groups

C. Azure Advisor

D. Azure Monitor metrics

Answer: A (LEAVE A REPLY)

Activity logs are kept for 90 days. You can query for any range of dates, as long as the starting date isn't more than 90 days in the past.

Through activity logs, you can determine:

what operations were taken on the resources in your subscription

who started the operation

when the operation occurred

the status of the operation

the values of other properties that might help you research the operation Reference:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/view-activity-logs>

NEW QUESTION: 175

You have 100 servers that run Windows Server 2012 R2 and host Microsoft SQL Server 2014 instances. The instances host databases that have the following characteristics:

- * The largest database is currently 3 TB. None of the databases will ever exceed 4 TB.
- * Stored procedures are implemented by using CLR.

You plan to move all the data from SQL Server to Azure.

You need to recommend an Azure service to host the databases. The solution must meet the following requirements:

- * Whenever possible, minimize management overhead for the migrated databases.
- * Minimize the number of database changes required to facilitate the migration.
- * Ensure that users can authenticate by using their Active Directory credentials.

What should you include in the recommendation?

- A. Azure SQL Database elastic pools
- B. Azure SQL Database Managed Instance
- C. Azure SQL Database single databases
- D. SQL Server 2016 on Azure virtual machines

Answer: B ([LEAVE A REPLY](#))

Explanation/Reference:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-managed-instance>

NEW QUESTION: 176

You have a web application that uses a MongoDB database. You plan to migrate the web application to Azure.

You must migrate to Cosmos DB while minimizing code and configuration changes.

You need to design the Cosmos DB configuration.

What should you recommend? To answer, select the appropriate values in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

References:

<https://docs.microsoft.com/en-us/azure/cosmos-db/create-mongodb-dotnet>

NEW QUESTION: 177

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 plan to deploy multiple instances of an Azure web app across several Azure regions.

You need to design an access solution for the app. The solution must meet the following replication requirements:

Support rate limiting.

Balance requests between all instances.

Ensure that users can access the app in the event of a regional outage.

Solution: You use Azure Traffic Manager to provide access to the app.

Does this meet the goal?

A. Yes

B. No

Answer: B ([LEAVE A REPLY](#))

Explanation

Azure Traffic Manager is a DNS-based traffic load balancer. This service allows you to distribute traffic to your public facing applications across the global Azure regions. Traffic Manager also provides your public endpoints with high availability and quick responsiveness. It does not provide rate limiting.

Reference:

<https://docs.microsoft.com/en-us/azure/app-service/web-sites-traffic-manager>

<https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-overview>

NEW QUESTION: 178

You have 500 Azure web apps in the same Azure region. The apps use a premium Azure Key vault for authentication. A developer reports that some authentication requests are being throttled. You need to recommend a solution to increase the available throughput of the key vault the solution must minimize costs. What should you recommend?

A. Increase the number of key vaults in the subscription

B. Configure geo-replication.

C. Change the pricing tier.

D. Configure load balancing for the apps.

Answer: ([SHOW ANSWER](#))

To maximize your Key Vault throughput rates, here are some recommended guidelines/best practices for maximizing your throughput:

Ensure you have throttling in place. Client must honor exponential back-off policies for 429's and ensure you are doing retries as per the guidance below.

Divide your Key Vault traffic amongst multiple vaults and different regions. Use a separate vault for each security/availability domain. If you have five apps, each in two regions, then we recommend 10 vaults each containing the secrets unique to app and region.

Reference:

<https://docs.microsoft.com/en-us/azure/key-vault/general/overview-throttling>

NEW QUESTION: 179

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

Answer: C (LEAVE A REPLY)

Explanation/Reference:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-long-term-backup-retention-configure> Design Business Continuity Testlet 3 Case Study This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview

Fabrikam, Inc. is an engineering company that has offices throughout Europe. The company has a main office in London and three branch offices in Amsterdam, Berlin, and Rome.

Existing Environment. Active Directory Environment

The network contains two Active Directory forests named corp.fabrikam.com and rd.fabrikam.com. There are no trust relationships between the forests.

Corp.fabrikam.com is a production forest that contains identities used for internal user and computer authentication.

Rd.fabrikam.com is used by the research and development (R&D) department only.

Existing Environment. Network Infrastructure

Each office contains at least one domain controller from the corp.fabrikam.com domain. The main office contains all the domain controllers for the rd.fabrikam.com forest.

All the offices have a high-speed connection to the Internet.

An existing application named WebApp1 is hosted in the data center of the London office.

WebApp1 is used by customers to place and track orders. WebApp1 has a web tier that uses Microsoft Internet Information Services (IIS) and a database tier that runs Microsoft SQL Server 2016. The web tier and the database tier are deployed to virtual machines that run on Hyper-V.

The IT department currently uses a separate Hyper-V environment to test updates to WebApp1. Fabrikam purchases all Microsoft licenses through a Microsoft Enterprise Agreement that includes Software Assurance.

Existing Environment. Problem Statements

The use of WebApp1 is unpredictable. At peak times, users often report delays. At other times, many resources for WebApp1 are underutilized.

Requirements. Planned Changes

Fabrikam plans to move most of its production workloads to Azure during the next few years.

As one of its first projects, the company plans to establish a hybrid identity model, facilitating an upcoming Microsoft Office 365 deployment.

All R&D operations will remain on-premises.

Fabrikam plans to migrate the production and test instances of WebApp1 to Azure.

Requirements. Technical Requirements

Fabrikam identifies the following technical requirements:

- * Web site content must be easily updated from a single point.
- * User input must be minimized when provisioning new web app instances.
- * Whenever possible, existing on-premises licenses must be used to reduce cost.
- * Users must always authenticate by using their corp.fabrikam.com UPN identity.
- * Any new deployments to Azure must be redundant in case an Azure region fails.
- * Whenever possible, solutions must be deployed to Azure by using the Standard pricing tier of Azure App Service.
- * An email distribution group named IT Support must be notified of any issues relating to the directory synchronization services.
- * Directory synchronization between Azure Active Directory (Azure AD) and corp.fabrikam.com must not be affected by a link failure between Azure and the on-premises network.

Requirements. Database Requirements

Fabrikam identifies the following database requirements:

- * Database metrics for the production instance of WebApp1 must be available for analysis so that database administrators can optimize the performance settings.
- * To avoid disrupting customer access, database downtime must be minimized when databases are migrated.
- * Database backups must be retained for a minimum of seven years to meet compliance requirements.

Requirements. Security Requirements

Fabrikam identifies the following security requirements:

- * Company information including policies, templates, and data must be inaccessible to anyone outside the company.
- * Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails.
- * Administrators must be able to authenticate to the Azure portal by using their corp.fabrikam.com credentials.

- * All administrative access to the Azure portal must be secured by using multi-factor authentication.
- * The testing of WebApp1 updates must not be visible to anyone outside the company.

NEW QUESTION: 180

Your on-premises network contains a server named Server1 that runs an ASP.NET application named App1.

You have a hybrid deployment of Azure Active Directory (Azure AD).

You need to recommend a solution to ensure that users sign in by using their Azure AD account and Azure Multi-Factor Authentication (MFA) when they connect to App1 from the internet.

Which three Azure services should you recommend be deployed and configured in sequence? To answer, move the appropriate services from the list of services to the answer area and arrange them in the correct order.

Answer:

Explanation

Text Description automatically generated with medium confidence

NEW QUESTION: 181

The developers at your company are building a containerized Python Django app.

You need to recommend platform to host the app. The solution must meet the following requirements:

- * Support autoscaling.
- * Support continuous deployment from an Azure Container Registry.
- * Provide built-in functionality to authenticate app users by using Azure Active Directory (Azure AD).

Which platform should you include in the recommendation?

- A.** Azure Container instances
- B.** an Azure App Service instance that uses containers
- C.** Azure Kubernetes Service (AKS)

Answer: C ([LEAVE A REPLY](#))

To keep up with application demands in Azure Kubernetes Service (AKS), you may need to adjust the number of nodes that run your workloads. The cluster autoscaler component can watch for pods in your cluster that can't be scheduled because of resource constraints. When issues are detected, the number of nodes in a node pool is increased to meet the application demand.

Azure Container Registry is a private registry for hosting container images. It integrates well with orchestrators like Azure Container Service, including Docker Swarm, DC/OS, and the new Azure Kubernetes service. Moreover, ACR provides capabilities such as Azure Active Directory-based authentication, webhook support, and delete operations.

Reference:

<https://docs.microsoft.com/en-us/azure/aks/cluster-autoscaler>

<https://medium.com/velotio-perspectives/continuous-deployment-with-azure-kubernetes-service-azure-container-registry-jenkins-ca337940151b>

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NEW QUESTION: 182

To meet the authentication requirements of Fabrikam, 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.

Answer:

Explanation

1

1

0

NEW QUESTION: 183

You have an on-premises file server that stores 2 TB of data files.

You plan to move the data files to Azure Blob storage in the Central Europe region.

You need to recommend a storage account type to store the data files and a replication solution for the storage account. The solution must meet the following requirements:

Be available if a single Azure datacenter fails.

Support storage tiers.

Minimize cost.

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

NOTE: Each correct selection is worth one point.

Answer:

Reference:

<https://cloud.netapp.com/blog/storage-tiers-in-azure-blob-storage-find-the-best-for-your-data>

NEW QUESTION: 184

You are reviewing an Azure architecture as shown in the Architecture exhibit (Click the Architecture tab.)

The estimated monthly costs for the architecture are shown in the Costs exhibit. (Click the Costs tab.)

The log files are generated by user activity to Apache web servers. The log files are in a consistent format.

Approximately 1 GB of logs are generated per day. Microsoft Power BI is used to display weekly reports of the user activity.

You need to recommend a solution to minimize costs while maintaining the functionality of the architecture.

What should you recommend?

- A. Replace Azure Data Factory with CRON jobs that use AzCopy.
- B. Replace Azure Synapse Analytics with Azure SQL Database Hyperscale.
- C. Replace Azure Databricks with Azure Machine Learning.
- D. Replace Azure Synapse Analytics and Azure Analysis Services with SQL Server on an Azure virtual machine.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 185

You have an Azure Active Directory (Azure AD) tenant and Windows 10 devices.

You configure a conditional access policy as shown in the exhibit. (Click the Exhibit tab.)

What is the result of the policy?

- A. All users will always be prompted for multi-factor authentication (MFA).
- B. Users will be prompted for multi-factor authentication (MFA) only when they sign in from devices that are NOT joined to Azure AD.
- C. All users will be able to sign in without using multi-factor authentication (MFA).
- D. Users will be prompted for multi-factor authentication (MFA) only when they sign in from devices that are joined to Azure AD.

Answer: B ([LEAVE A REPLY](#))

Explanation

Either the device should be joined to Azure AD or MFA must be used.

NEW QUESTION: 186

You use Azure virtual machines to run a custom application that uses an Azure SQL database on the back end.

The IT apartment at your company recently enabled forced tunneling,

Since the configuration change, developers have noticed degraded performance when they access the database. You need to recommend a solution to minimize latency when accessing the database. The solution must minimize costs. What should you include in the recommendation?

- A. virtual network (VNET) service endpoint
- B. Always On availability groups
- C. Azure SQL Database Managed instance
- D. Azure virtual machines that run Microsoft SQL Server servers

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 187

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

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

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 188

You have a virtual machine scale set named SS1.

You configure autoscaling as shown in the following exhibit.

You configure the scale out and scale in rules to have a duration of 10 minutes and a cool down time of 10 minutes.

Use the drop-down menus to select the answer choice that answers each question based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Box 1: 20 Minutes. 10 minutes cool down time after the last scale-up plus 10 minutes duration equals 20 minutes.

Box 2: 9 virtual machines. 30% does not match the scale in requirement of less than 25% so the number of virtual machines will not change.

NEW QUESTION: 189

You are planning an Azure solution that will host production databases for a high-performance application.

The solution will include the following components:

* Two virtual machines that will run Microsoft SQL Server 2016, will be deployed to different data centers in the same Azure region, and will be part of an Always On availability group.

* SQL Server data that will be backed up by using the Automated Backup feature of the SQL Server IaaS Agent Extension (SQLIaaSExtension) You identify the storage priorities for various data types as shown in the following table.

Which storage type should you recommend for each data type? To answer, drag the appropriate storage types to the correct data types. Each storage type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

NEW QUESTION: 190

You need to implement the Azure RBAC role assignment. The solution must meet the authentication and authorization requirements.

How many assignment should you configure for the Network Contributor role for Role1? To answer, select appropriate in the answer area.

NOTE:

Answer:

NEW QUESTION: 191

You have an Azure subscription. The subscription contains Azure virtual machines that run Windows Server 2016 and Linux.

You need to use Azure Log Analytics design an alerting strategy for security-related events. Which Log Analytics tables should you query? To answer, drag the appropriate tables to the correct log types. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/log-analytics-agent> Windows Event logs --> Information sent to the Windows event logging system. Syslog --> Information sent to the Linux event logging system.

NEW QUESTION: 192

You configure the Diagnostics settings for an Azure SQL database as shown in the following exhibit.

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.

Answer:

Explanation

NEW QUESTION: 193

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 are designing an Azure solution for a company that has four departments. Each department will deploy several Azure app services and Azure SQL databases.

You need to recommend a solution to report the costs for each department to deploy the app services and the databases. The solution must provide a consolidated view for cost reporting that displays cost broken down by department.

Solution: Place all resources in the same resource group. Assign tags to each resource.

Does the solution meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

Instead, create a resources group for each resource type. Assign tags to each resource Note: Tags enable you to retrieve related resources from different resource groups. This approach is helpful when you need to organize resources for billing or management.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-using-tags>

NEW QUESTION: 194

You have an Azure Data Lake Storage account that contains 1,000 10-MB CSV files and an Azure Synapse Analytics dedicated SQL pool named sql1. You need to load the files to sql1. The solution must meet the following requirements:

Maximize data load performance.

Eliminate the need to define external tables before the data loads.

What should you use?

A. PolyBase

B. BCP

C. the copy statement

D. the sqlBulkcopy object

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 195

You have an Azure App Service Web App that includes Azure Blob storage and an Azure SQL Database instance. The application is instrumented by using the Application Insights SDK.

You need to design a monitoring solution for the web app.

Which Azure monitoring services should you use? To answer, select the appropriate Azure monitoring services in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

NEW QUESTION: 196

You plan to deploy an Azure web app named App1 that will use Azure Active Directory (Azure AD) authentication.

App1 will be accessed from the internet by the users at your company. All the users have computers that run Windows 10 and are joined to Azure AD.

You need to recommend a solution to ensure that the users can connect to App1 without being prompted for authentication and can access App1 only from company-owned computers. What should you recommend for each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Reference:

<https://codingcanvas.com/using-azure-active-directory-authentication-in-your-web-application/>

<https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/overview>

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NEW QUESTION: 197

You are planning an Azure solution that will host production databases for a high-performance application. The solution will include the following components:

Two virtual machines that will run Microsoft SQL Server 2016, will be deployed to different data centers in the same Azure region, and will be part of an Always On availability group.

SQL Server data that will be backed up by using the Automated Backup feature of the SQL Server IaaS Agent Extension (SQLIaaSExtension) You identify the storage priorities for various data types as shown in the following table.

Which storage type should you recommend for each data type? To answer, drag the appropriate storage types to the correct data types. Each storage type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

NEW QUESTION: 198

Your company has the infrastructure shown in the following table.

The on-premises Active Directory domain syncs to Azure Active Directory (Azure AD).

Server1 runs an application named App1 that uses LDAP queries to verify user identities in the on-premises Active Directory domain.

You plan to migrate Server1 to a virtual machine in Subscription1.

A company security policy states that the virtual machines and services deployed to Subscription1 must be prevented from accessing the on-premises network.

You need to recommend a solution to ensure that Appl continues to function after the migration. The solution must meet the security policy.

What should you include in the recommendation?

- A. an Azure VPN gateway
- B. Azure AD Application Proxy
- C. Azure AD Domain Services (Azure AD DS)
- D. the Active Directory Domain Services role on a virtual machine

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 199

You have 70 TB of files on your on-premises file server.

You need to recommend solution for importing data to Azure. The solution must minimize cost.

What Azure service should you recommend?

- A. Azure StorSimple
- B. Azure Batch
- C. Azure Data Box
- D. Azure Stack

Answer: ([SHOW ANSWER](#))

Explanation

Microsoft has engineered an extremely powerful solution that helps customers get their data to the Azure public cloud in a cost-effective, secure, and efficient manner with powerful Azure and machine learning at play. The solution is called Data Box.

Data Box and is in general availability status. It is a rugged device that allows organizations to have 100 TB of capacity on which to copy their data and then send it to be transferred to Azure.

Reference:

<https://www.vembu.com/blog/what-is-microsoft-azure-data-box-disk-edge-heavy-gateway-overview/>

NEW QUESTION: 200

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:

- * The compute resources allocated to the databases must scale dynamically.
- * The solution must meet an SLA of 99.99% uptime.
- * The solution must have reserved capacity.
- * 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 in an availability set
- B. 20 instances of Azure SQL Database serverless

- C. 20 databases on a Microsoft SQL server that runs on an Azure virtual machine
- D. an elastic pool that contains 20 Azure SQL databases

Answer: D (LEAVE A REPLY)

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/>

NEW QUESTION: 201

You store web access logs data in Azure Blob storage.

You plan to generate monthly reports from the access logs.

You need to recommend an automated process to upload the data to Azure SQL Database every month.

What should you include in the recommendation?

- A. Azure Data Factory
- B. Data Migration Assistant
- C. Microsoft SQL Server Migration Assistant (SSMA)
- D. AzCopy

Answer: D (LEAVE A REPLY)

Reference:

<https://docs.microsoft.com/en-us/azure/security/azure-security-disk-encryption-overview>

NEW QUESTION: 202

Your company develops a web service that is deployed to an Azure virtual machine named VM1.

The web service allows an API to access real-time data from VM1.

The current virtual machine deployment is shown in the Deployment exhibit. (Click the Deployment tab).

The chief technology officer (CTO) sends you the following email message: "Our developers have deployed the web service to a virtual machine named VM1. Testing has shown that the API is accessible from VM1 and VM2. Our partners must be able to connect to the API over the Internet. Partners will use this data in applications that they develop." You deploy an Azure API

Management (APIM) service. The relevant API Management configuration is shown in the API exhibit. (Click the API tab.) For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer:

Explanation

Reference:

<https://docs.microsoft.com/en-us/azure/api-management/api-management-using-with-vnet>

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