Microsoft

70-535 Exam

Microsoft Architecting Microsoft Azure Solutions Exam

Version: 17.0

Case Study: 1
Mix Questions New (A)

Question: 1

Note: This question is part of a series of questions that present the same scenario. Each question on 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 a live streaming event by using Azure Media Services. The delivery of the video will use HTTP Live Streaming (HLS) to an Azure Content Delivery Network (CDN) streaming endpoint.
Viewers of the content may not be a trusted party and you require the highest level of security.
You must secure the media delivery by using dynamic encryption.
Solution: Use AES-128 dynamic encryption and the key delivery service to encrypt all assets with an associated encryption key and authorization policy. Configure the assert's delivery policy to deliver by using Advanced Encryption Standard (AES).
Does the solution meet the goal?

A. Yes
B. No

Answer: A

Explanation:
You can use Azure Media Services to secure your media from the time it leaves your computer through storage, processing, and delivery. With Media Services, you can deliver your live and on-demand content encrypted dynamically with Advanced Encryption Standard (AES-128) or any of the three major digital rights management (DRM) systems: Microsoft PlayReady, Google Widevine, and Apple FairPlay.
References:
https://docs.microsoft.com/en-us/azure/media-services/previous/media-services-content-protection-overview

Question: 2

A company has custom ASP.net and Java applications that run on old versions of Windows and Linux. The company plans to place applications in containers.

You need to design a solution that includes networking, service discovery, and load balancing for the applications. The solution must support storage orchestration.
Solution: You create an Azure virtual network, a public IP address, and load balancer. Then add virtual machines (VMs) to the solution and deploy individual containers on them.
Does the solution meet the goal?

A. Yes
B. No

Answer: B

Question: 3

A company has custom ASP.net and Java applications that run on old versions of Windows and Linux. The company plans to place applications in containers.
You need to design a solution that includes networking, service discovery, and load balancing for the applications. The solution must support storage orchestration.
Solution: You deploy each application to an Azure Web App that has container support.
Does the solution meet the goal?

A. Yes
B. No

Answer: B

Question: 4

A company has custom ASP.net and Java applications that run on old versions of Windows and Linux. The company plans to place applications in containers.
You need to design a solution that includes networking, service discovery, and load balancing for the applications. The solution must support storage orchestration.
Solution: Deploy a Kubernetes cluster that has the desired number of instances of the applications.
Does the solution meet the goal?

A. Yes
B. No

Answer: A

Explanation:
References:
https://docs.microsoft.com/en-us/azure/container-service/kubernetes/container-service-intro-kubernetes

Question: 5

You are designing a storage solution to support on-premises resources and Azure-hosted resources.
You need to provide on-premises storage that has built-in replication to Azure.
Solution: You include Azure Table storage in the design.
Does this solution meet the goal?

A. Yes
B. No

Answer: B

Question: 6

You are designing a storage solution to support on-premises resources and Azure-hosted resources.
You need to provide on-premises storage that has built-in replication to Azure.
Solution: You include Azure Blob storage in the design.
Does this solution meet the goal?

A. Yes
B. No

Answer: B

Question: 7

You are designing a storage solution to support on-premises resources and Azure-hosted resources.
You need to provide on-premises storage that has built-in replication to Azure.
Solution: You include Azure StorSimple storage in the design.
Does this solution meet the goal?

A. Yes
B. No

Answer: A

Explanation:
References:
https://docs.microsoft.com/en-us/azure/storsimple/storsimple-overview

Question: 8

HOTSPOT
You manage a solution in Azure. You plan to add several new features to the solution.
You identify the following requirements:
The deployment technology must support load balancing and service discovery.
Trigger a Biztalk Server workflow to process Electronic Data Interchange (EDI) data.
You need to identify which technical implementation is suitable for each functionality.

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

Requirement	Technology
Trigger a BizTalk Server workflow.	Azure API Management Service Azure Container instances Azure Functions Azure Logic Apps
Package the application.	Git repository Azure Container instances NuGet package Node Package Manager (NPM)

Answer:

Requirement	Technology
Trigger a BizTalk Server workflow.	Azure Logic Apps
Package the application.	Node Package Manager (NPM)

Explanation:
References:
https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-what-are-logic-apps
https://docs.microsoft.com/en-us/javascript/api/overview/azure/logic-apps?view=azure-node-2.2.0#management-package

Question: 9

You are designing an Azure Web App that includes many static content files.
The application is accessed from locations all over the world by using a custom domain name.
You need to recommend an approach for providing access to the static content with the least amount of latency.
Which two actions should you recommend? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Place the static content in Azure Blob storage and enable Content Delivery Network (CDN) on the account.
B. Place the static content in Azure Table storage.
C. Configure a custom domain name that is an alias for the Azure Storage domain.
D. Configure a CNAME DNS record for the Azure Content Delivery Network (CDN) domain.

Answer: CD

Explanation:
References:
https://docs.microsoft.com/en-us/azure/architecture/best-practices/cdn

Question: 10

You are designing a microservices architecture that will support a web application.
The solution must meet the following requirements:
Allow independent upgrades to each microservice.
Deploy the solution on-premises and to Azure.
Set policies for performing automatic repairs to the microservices.
Support low-latency and hyper-scale operations.
You need to recommend a technology.
What should you recommend?

A. Azure Container Instance
B. Azure Container Service
C. Azure Virtual Machine Scale Set
D. Azure Service Fabric

Answer: D

Explanation:
References:
https://msdn.microsoft.com/en-us/magazine/mt595752.aspx

Question: 11

DRAG DROP
A company runs multiple line-of-business applications in a Kubernetes container cluster. Source code for the applications resides in a version control repository which is a part of a continuous integration/continuous deployment (CI/CD) solution.
You must be able to upgrade containerized applications without downtime after all tests and reviews have completed successfully.
You need to recommend steps to go from source code to updated applications so that they can be automated in the CI/CD solution.
Which four actions should you recommend be performed in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Update the DNS CNAME record of the application.	
Update the container.	
Push the image to the registry.	
Build the application.	
Change the Azure Service Definition schema.	
Reconfigure the routing tables.	
Change the Azure Service Configuration file.	
Build the container image with the application.	

Answer:

Build the application.
Build the container image with the application.
Push the image to the registry.
Update the container.

Explanation:
References:
https://docs.microsoft.com/en-us/vsts/build-release/apps/cd/azure/deploy-container-kubernetes

Question: 12

You have a customer database on your internal network. The database supports an application that your sales organization uses. You plan to migrate the application to the cloud.
All customer data must remain inside the corporate network.
You need to ensure that the application can access the customer data without affecting network security.
What should you do?

A. Open the ports required to access the database in the network firewall.
B. Use Microsoft Azure Service Bus Relay to expose and consume a SOAP web service with TCP.
C. Configure Direct Access on the virtual network.
D. Create a Site-to-Site VPN connection.

Answer: D

Explanation:
References:
https://docs.microsoft.com/en-us/windows-server/remote/remote-access/directaccess/directaccess

Question: 13

You are designing an Azure Media Services solution. The solution must meet the following requirements:
Allow only authenticated users to play back media.
Ensure that media playback uses dynamic and envelope encryption.
Which three actions should you recommend? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Configure the media encoder to use AES clear key encryption.
B. Encode source files into single-bitrate MP4 files.
C. Configure a content key authorization policy.
D. Configure the media encoder to use DRM encryption.
E. Configure an asset delivery policy.
F. Encode source files into adaptive-bitrate MP4 files.
G. Encrypt the files using AES 256 bit encryption and upload to Azure Storage.

Answer: B, C, E

Explanation:
References:
https://github.com/MicrosoftDocs/azure-docs/blob/master/articles/media-services/media-services-protect-withaes128.md

Question: 14

HOTSPOT
You are designing a solution that consist of Internet of Things (IoT) devices and external streams of data.
You need to provide near real-time functionality.
Which technologies should you implement? To answer, configure the appropriate options in the dialog box in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Requirement	Technology
Monitoring assets	Azure IoT Hub / Azure Event Grid / Azure Event Hubs / Azure Time Series Insights / Azure Stream Analytics
Telemetry ingestion	Azure IoT Hub / Azure Event Grid / Azure Event Hubs / Azure Time Series Insights / Azure Stream Analytics
Providing real time predictions	Azure IoT Hub / Azure Event Grid / Azure Event Hubs / Azure Time Series Insights / Azure Stream Analytics
Spotting anomalies on IoT data	Azure IoT Hub / Azure Event Grid / Azure Event Hubs / Azure Time Series Insights / Azure Stream Analytics

Answer:

Answer Area

Requirement	Technology
Monitoring assets	Azure IoT Hub
Telemetry ingestion	Azure IoT Hub
Providing real time predictions	Azure Stream Analytics
Spotting anomalies on IoT data	Azure Time Series Insights

Explanation:
References:
https://docs.microsoft.com/en-us/azure/iot-suite/iot-suite-options
https://azure.microsoft.com/en-us/services/stream-analytics/
https://azure.microsoft.com/en-us/services/time-series-insights/

Question: 15

A company uses Microsoft Operations Management Suite (OMS) to manage 1,000 virtual machines

(VMs) in Azure.
The security officer reports that VMs often are not updated. You recommend to the company that they implement the OMS Update Management solution.
You need to describe the OMS Update Management solution to the company.
Which functionality does the OMS Update Management solution provide?

A. assessment of antimalware on the VMs
B. health indications for the OMS agent on VMs
C. deployment of required updates to VMs
D. assessment of vulnerabilities in container images\

Answer: C

Explanation:
References:
https://docs.microsoft.com/en-us/azure/operations-management-suite/oms-solution-update-management

Question: 16

HOTSPOT
You are managing the automation of your company's Azure resources.
You need to choose the appropriate tool to automate specific use cases.
Which tool should you choose for each use case? To answer, select the appropriate tool from each list in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Use case	Tool
Automate a portfolio of scripts.	Azure Automation / Desired State Configuration
Create an ad hoc script to add a virtual machine.	Azure PowerShell / Desired State Configuration

Answer:

Answer Area

Use case	Tool
Automate a portfolio of scripts.	Azure Automation
Create an ad hoc script to add a virtual machine.	Desired State Configuration

Explanation:
References:
https://docs.microsoft.com/en-us/azure/automation/automation-intro
https://docs.microsoft.com/en-us/azure/virtual-machines/scripts/virtual-machines-windows-powershell-samplecreHYPERLINK "https://docs.microsoft.com/en-us/azure/virtual-machines/scripts/virtual-machines-windows-powershell-samplecreate-iis-using-dsc-auto"ate-iis-using-dsc-auto
https://docs.microsoft.com/en-us/azure/automation/automation-dsc-compile

Question: 17

A company has a public-facing website that is being monitored using Microsoft Operations Management Suite (OMS). The OMS service map solution is deployed.
Customers report that the website displays error messages and is very slow to load pages each day at 04:00.
The company plans to use the OMS Service Map solution to investigate the issues.
You need to recommend actions that the company should perform with OMS Service Map.
Which three actions should you recommend? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. View alerts that show critical CPU utilization.
B. Install updates to the device that hosts the website.
C. Create a backup of the web server.

D. View the device that hosts the website.
E. View the process that produced the alert.

Answer: A, D, E

Explanation:
References:
https://docs.microsoft.com/en-us/azure/operations-management-suite/operations-management-suite-servicemap

Question: 18

You have business services that run on an on-premises mainframe server.
You must provide an intermediary configuration to support existing business services and Azure. The business services cannot be rewritten. The business services are not exposed externally.
You need to recommend an approach for accessing the business services.
What should you recommend?

A. Connect to the on-premises server by using a custom service in Azure.
B. Expose the business services externally.
C. Expose the business services to the Azure Service Bus by using a custom service that uses relay binding.
D. Move all business service functionality to Azure.

Answer: D

Explanation:
References:
httHYPERLINK "http://azure.microsoft.com/en-gb/documentation/articles/service-bus-dotnet-how-to-use-relay/"p://azure.microsoft.com/en-gb/documentation/articles/service-bus-dotnet-how-to-use-relay/

Question: 19

You are designing an Azure solution.
The network traffic for the solution must be securely distributed by providing the following features:
HTTPS protocol
Round robin routing
SSL offloading
You need to recommend a load balancing option.
What should you recommend?

A. Azure Internet Load Balancer (ILB)
B. Azure Load Balancer
C. Azure Traffic Manager
D. Azure Application Gateway

Answer: B

Explanation:
References:
https://docs.microsoft.com/en-us/azure/application-gateway/application-gateway-introduction

Question: 20

You use a virtual network to extend an on-premises IT environment into the cloud. The virtual network has two virtual machines (VMs) that store sensitive data.
The data must only be available using internal communication channels. Internet access to those VMs is not permitted.
You need to ensure that the VMs cannot access Internet.
Which two options should you recommend? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Azure ExpressRoute
B. network interface (NIC)
C. Source Network Address Translation (SNAT)
D. Network Security Groups (NSG)

Answer: A, D

Explanation:
References:
https://docs.microsoft.com/en-us/azure/expressroute/expressroute-introduction
https://reticent.net.nz/prevent-internet-access-from-azure-virtual-machines/

Question: 21

A company hosts a website and exposes web services on the company intranet. The intranet is secured by using a firewall. Company policies prohibit changes to firewall rules.
Devices outside the firewall must be able to access the web services.
You need to recommend an approach to enable inbound communication.
What should you recommend?

A. the Azure Access Control Service
B. Windows Azure Pack
C. the Azure WCF Relay
D. a web service in an Azure role that relays data to the internal web services

Answer: C

Explanation:
References:
https://docs.microsoft.com/en-us/azure/service-bus-relay/relay-what-is-it

Question: 22

A partner manages on-premises and Azure environments. The partner deploys an on-premises solution that needs to use Azure services. The partner deploys a virtual appliance.
All network traffic that is directed to a specific subnet must flow through the virtual appliance.
You need to recommend solutions to manage network traffic.
Which two options should you recommend? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Configure Azure Traffic Manager.
B. Configure a routing table with forced tunneling.
C. Implement an Azure virtual network.
D. Implement Azure ExpressRoute.

Answer: B, D

Explanation:
References:
https://docs.microsoft.com/eHYPERLINK "https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-overview"n-us/azure/traffic-manager/traffic-manager-overview
https://docs.microsoft.com/en-us/azure/expressroute/expressroute-routing

Question: 23

You manage on-premises network and Azure virtual networks.
You need a secure private connection between the on-premises networks and the Azure virtual networks. The connection must offer a redundant pair of cross connections to provide high availability.
What should you recommend?

A. virtual network peering
B. Azure Load Balancer
C. VPN Gateway
D. ExpressRoute

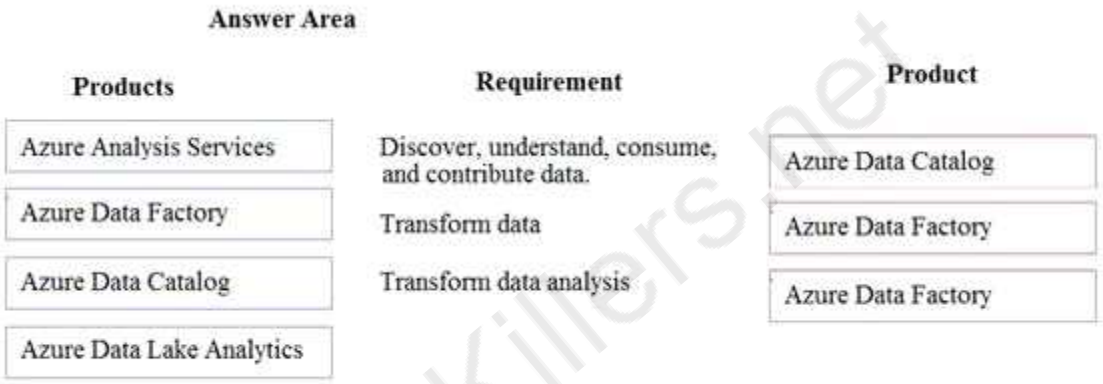
Answer: D

Explanation:
References:
https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-overview

Question: 24

DRAG DROP
You are designing a solution that ingests, transforms, and stores streams of data from Internet of Things (IoT) devices.
The solution has the following requirements:
Business users must be able to discover, understand, consume, and contribute to data creation.
Transform data by using Spark.
Data analysis must be performed by using a hub-and-spoke business intelligence model.
You need to choose the appropriate products for the solution.
Which technologies should you recommend? To answer, drag the appropriate technologies to the correct requirements. Each technology may be used once, more than one, 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:
References:
https://docs.microsoft.com/en-us/azure/data-catalog/data-catalog-what-is-data-catalog
https://docs.microsHYPERLINK "https://docs.microsoft.com/en-us/azure/data-factory/transform-data-using-spark"oft.com/enHYPERLINK "https://docs.microsoft.com/en-us/azure/data-factory/transform-data-using-spark"-us/azure/data-factory/transform-data-using-spark
http://gcloud.world/the-cloud-inHYPERLINK "http://gcloud.world/the-cloud-in-the-news/announcing-azure-analysis-services-general-availability-2/"-the-news/announcing-azure-analysis-services-general-availability-2/

Question: 25

DRAG DROP
You are designing an Azure storage solution for a company.
The company has the following storage requirements:
An app named App1 uses data analytics on stored data.
App1 must store data on a hierarchical file system that uses Azure Active Directory (Azure AD) access control lists.
An app named App2 must have access to object-based storage.

The storage must support role-based access control and use shared access signature keys.
You need to design the storage solution.
Which storage solution should you use for each app? To answer, drag the appropriate storage solutions to the correct apps. Each storage solution 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 area

Storage solutions	App	Storage solution
Azure Blob Storage	App1	Storage solutions
Azure File Storage	App2	Storage solutions
Azure Data Lake Store		
Azure StorSimple virtual device		
Azure Site Recovery		

Answer:

App	Storage solution
App1	Azure Data Lake Store
App2	Azure Blob Storage

Explanation:
References:
https://docs.microsoft.com/en-us/azure/data-lake-store/data-lake-store-comparison-with-blob-storage

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