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Practice Set 9

Your results are here!! for " Microsoft Azure AZ-305 Practice Test 9 "

52 of 70 questions answered correctly

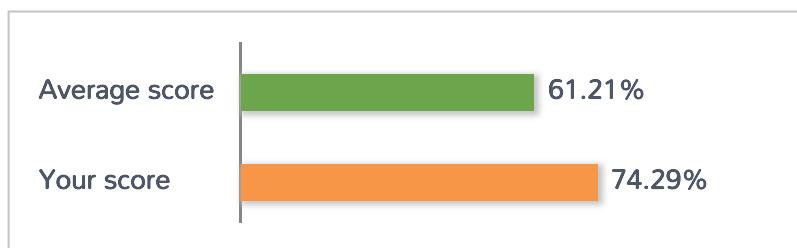
Your time: 01:25:35

Your Final Score is : 52

You have attempted : 70

Number of Correct Questions : 52 and scored 52

Number of Incorrect Questions : 18 and Negative marks 0



You can review your answers by clicking view questions.

Important Note : Open Reference Documentation Links in New Tab (Right Click and Open in New Tab).

[Restart Test](#)

[View Answers](#)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68
69	70															

■ Answered ■ Review

1. Question

You have an Azure subscription that contains the resources shown below

Name	Type	Size
ILB1	Internal Load Balancer	Basic
ELB1	External Load Balancer	Standard
AGW1	Azure Application Gateway that has Web Application Firewall (WAF) enabled	Standard
AGW2	Azure Application Gateway	Standard_v2

You need to deploy a load-balancing solution for Azure web app named App1 to meet the following requirements: App1 must support command injection protection. App1 must have a Service Level Agreement (SLA) of 99.99 percent. Which resource should you use as the load-balancing solution for App1?

AGW1

ILB1

ELB1

AGW2

Correct

Azure Application Gateway offers a web application firewall (WAF) that provides centralized protection of your web applications from common exploits and vulnerabilities. Web applications are increasingly targeted by malicious attacks that exploit commonly known vulnerabilities. SQL injection and cross-site scripting are among the most common attacks. <https://docs.microsoft.com/en-us/azure/application-gateway/waf-overview>

2. Question

A web developer creates a web application that you plan to deploy as an Azure web app. Users must enter credentials to access the web application. You create a new web app named WebApp1 and deploy the web

application to WebApp1. You need to disable anonymous access to WebApp1. What should you configure?

- Advanced Tools
- Authentication/Authorization
- Access control (IAM)
- Deployment credentials

Correct

Anonymous access is an authentication method. It allows users to establish an anonymous connection.

In the Azure portal, you can configure App Service authorization with a number of behaviors when incoming request is not authenticated.

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

3. Question

Case Study

Overview

Best For You Organics Company is a global restaurant franchise that has multiple locations. The company wants to enhance user experiences and vendor integrations. The company plans to implement automated mobile ordering and delivery services.

Best For You Organics hosts an Azure web app at the URL <https://www.bestforyouorganics.com>. Users can use the web app to browse restaurant location, menu items, nutritional information, and company information. The company developed and deployed a cross-platform mobile app.

Requirements

Chatbot

You must develop a chatbot by using the Bot Builder SDK and Language Understanding Intelligence Service (LUIS). The chatbot must allow users to order food for pickup or delivery.

The chatbot must meet the following requirements:

- Ensure that chatbot is secure by using the Bot Framework connector.
- Use natural language processing and speech recognition so that users can interact with the chatbot by using text and voice. Processing must be server-based.
- Alert users about promotions at local restaurants.
- Enable users to place an order for delivery or pickup by using their voice.
- Greet the user upon sign-in by displaying a graphical interface that contains action buttons.
- The chatbot greeting interface must match the formatting of the following example:

Welcome to the Restaurant



John Doe
Sun, Aug 26,2018

Welcome to Best For You Organics Company!
How can we help you today?

Specials: Chicken Masala

Order Pickup Order Delivery

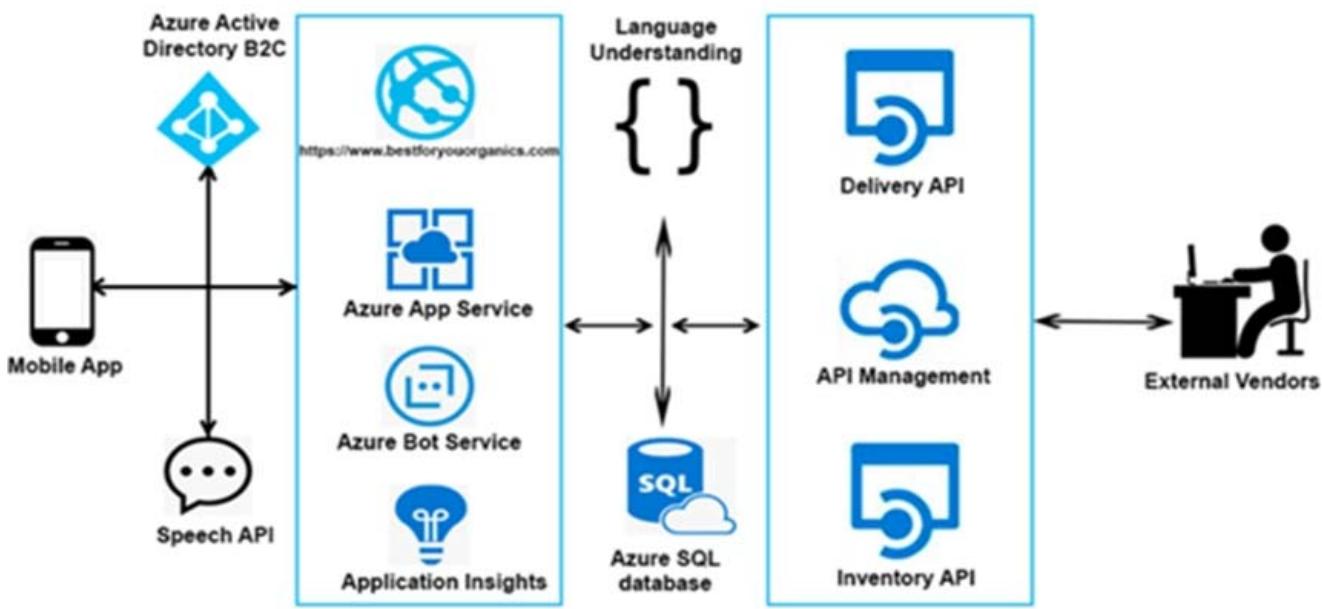
Vendor API

Vendors receive and provide updates for the restaurant inventory and delivery services by using Azure API Management hosted APIs. Each vendor uses their own subscription to access each of the APIs.

APIs must meet the following conditions:

- API usage must not exceed 5,000 calls and 50,000 kilobytes of bandwidth per hour per vendor.
- If a vendor is nearing the number of calls or bandwidth limit, the API must trigger email notifications to the vendor.
- API must prevent API usage spikes on a per-subscription basis by limiting the call rate to 100 calls per minute.
- The Inventory API must be written by using ASP.NET Core and Node.js.
- The API must be updated to provide an interface to Azure SQL Database objects must be managed by using code.
- The Delivery API must be protected by using the OAuth 2.0 protocol with Azure Active Directory (Azure AD) when called from the Azure web app. You register the Delivery API and web app in Azure AD. You enable OAuth 2.0 in the web app.
- The delivery API must update the Products table, the Vendor transactions table, and the Billing table in a single transaction.

The Best For You Organics Company architecture team has created the following diagram depicting the expected deployments into Azure:



Architecture

Issues

Delivery API

The Delivery API intermittently throws the following exception:

“System.Data.Entity.Core.EntityCommandExecutionException: An error occurred while executing the command definition. See the inner exception for details. –>System.Data.SqlClient.SqlException: A transport-level error has occurred when receiving results from the server. (provider: Session Provider, error: 19 –Physical connection is not usable)”

Chatbot greeting

The chatbot's greeting does not show the user's name. You need to debug the chatbot locally.

Language processing

Users report that the bot fails to understand when a customer attempts to order dishes that use Italian names.

App code

Relevant portions of the app files are shown below. Line numbers are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

Startup.cs

```
SU01 namespace DeliveryApi
SU02 {
SU03     public class Startup
SU04     {
SU05         public Startup(IConfiguration configuration)
SU06         {
SU07             Configuration = configuration;
SU08         }
SU09         public IConfiguration Configuration { get; }
SU10         public void ConfigureServices(IServiceCollection services)
SU11         {
SU12             services.AddDbContext<RestaurantsContext>(opt =>
SU13                 opt.UseSqlServer(Configuration.GetSection("ConnectionStrings")
["RestaurantDatabase"]),
SU14                 sqlServerOptionsAction: sqlOptions =>
SU15                 {
SU16                     . .
SU17                 }));
SU18             services.AddMvc()
SU19                 .SetCompatibilityVersion(CompatibilityVersion.Version_2_1);
SU20         }
SU21         public void Configure(IApplicationBuilder app)
SU22         {
SU23             app.UseMvc();
SU24         }
SU25     }
SU26 }
```

You need to implement the purchase requirement. What should you do?

- Use the Bot Framework REST API conversation operations to send the user's voice and the Speech Service API to recognize intents.
- Use the Speech Service API to send the user's voice and the Bot Framework REST API conversation operations to recognize intents.
- Use the Bot Framework REST API attachment operations to send the user's voice and the Speech Service API to recognize intents.
- Use the Direct Line REST API to send the user's voice and the Speech Service API to recognize intents.

Correct

Using Direct Line API 3.0, a client can receive messages from your bot either via WebSocket stream or by issuing HTTP GET requests. Using either of these techniques, a client may receive multiple messages

from the bot at a time as part of an ActivitySet.

<https://docs.microsoft.com/en-us/azure/bot-service/rest-api/bot-framework-rest-direct-line-3-0-concepts?view=azure-bot-service-4.0#receiving-messages>

<https://docs.microsoft.com/bs-latn-ba/azure/bot-service/rest-api/bot-framework-rest-direct-line-3-0-concepts?view=azure-bot-service-4.0>

4. Question

You plan to use the Azure Import/Export service to copy files to a storage account. Which two files should you create before you prepare the drives for the import job?

a dataset CSV file

a JSON configuration file

an XML manifest file

a PowerShell PS1 file

a driveset CSV file

Correct

<https://docs.microsoft.com/en-us/azure/storage/common/storage-import-export-data-to-files#step-1-prepare-the-drives> Modify the dataset.csv file in the root folder where the tool resides. Depending on whether you want to import a file or folder or both, add entries in the dataset.csv file. Modify the driveset.csv file in the root folder where the tool resides. The driveset file has the list of disks and corresponding drive letters so that the tool can correctly pick the list of disks to be prepared.

5. Question

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

Name	Region
RG1	East US
RG2	West US

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

Name	Resource group	Location	Account kind
Storage1	RG1	West US	BlobStorage
Storage2	RG2	West US	Storage (general purpose v1)
Storage3	RG1	East US	Storage V2 (general purpose v2)

You create a Recovery Services vault named Vault1 in RG1 in the West US location. You need to identify which storage accounts can be used to archive the diagnostics logs of Vault1. Which storage accounts should you identify?

- Storage1 or Storage3 only
- Storage3 only
- Storage2 only
- Storage1 only
- Storage1 or Storage2 only

Incorrect

Storage account 1 or 2. To create a vault to protect any data source, the vault must be in the same region as the data source

6. Question

You have an Azure subscription. You create a custom role in Azure by using the following Azure Resource Manager template.

```
{  
    "Name": "Role1",  
    "Id": "88888888-8888-8888-888888888888",  
    "IsCustom" : true,  
    "Description" : "Role1 Description",  
    "Actions" : [  
        "Microsoft.Storage/*/read",  
        "Microsoft.Network/*/read",  
        "Microsoft.Compute/*/read",  
        "Microsoft.Compute/virtualMachines/start/action",  
        "Microsoft.Compute/virtualMachines/restart/action",  
        "Microsoft.Authorization/*/read",  
        "Microsoft.ResourceHealth/availabilityStatuses/read",  
        "Microsoft.Resources/subscriptions/resourceGroups/read",  
        "Microsoft.Insights/alertRules/*",  
        "Microsoft.Insights/diagnosticSettings/*",  
        "Microsoft.Support/*"  
    ],  
    "NotActions": [],  
    "DataActions": [],  
    "NotDataActions" : [],  
    "AssignableScopes" : [  
        "/subscriptions/981dd4bc-8cf4-46fc-9513-0c599648b44b  
    ]  
}
```

The above role is assigned a user named User1. What actions can User1 perform?

- Create resource groups
- Delete virtual machines
- Create virtual machines

Create support requests

Correct

“Microsoft.Support/*” operation will allow the user to create support tickets.

<https://docs.microsoft.com/en-us/azure/role-based-access-control/tutorial-custom-role-powershell#create-a-custom-role>

7. Question

You have an Azure Cosmos DB database that contains a container named Container1. The partition key for Container1 is set to /day. Container1 contains the items shown below

Name	Content
Item1	{ "id": "1", "day": "Mon", "value" : "10" }
Item2	{ "id": "2", "day": "Mon", "value" : "15" }
Item3	{ "id": "3", "day": "Tue", "value" : "10" }
Item4	{ "id": "4", "day": "Wed", "value" : "15" }

You need to programmatically query Azure Cosmos DB and retrieve Item1 and Item2 only. You run the following query `SELECT id FROM c WHERE c.day = “Mon”`. You set the `EnableCrossPartitionQuery` property to True. Does this meet the goal?

 Yes No

Correct

Query Returns Item1 and Item2. <https://docs.microsoft.com/en-us/azure/cosmos-db/sql-query-where>
<https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.documents.client.feedoptions.enablecrosspartitionquery?view=azure-dotnet>

8. Question

A company is migrating an existing on-premises third-party website to Azure. The website is stateless. The company does not have access to the source code for the website. They have the original installer. The number of visitors at the website varies throughout the year. The on-premises infrastructure was resized to accommodate peaks but the extra capacity was not used. You need to implement a virtual machine scale set instance. What should you do?

Use only default diagnostics metrics to trigger autoscaling

- Use an autoscale setting to scale instances vertically.
- Use an autoscale setting to define more profiles that have one or more autoscale rules.
- Use a webhook to log autoscale failures.

Correct

In-guest VM metrics with the Azure diagnostics extension. The Azure diagnostics extension is an agent that runs inside a VM instance. The agent monitors and saves performance metrics to Azure storage. These performance metrics contain more detailed information about the status of the VM, such as AverageReadTime for disks or PercentIdleTime for CPU. You can create autoscale rules based on a more detailed awareness of the VM performance, not just the percentage of CPU usage or memory consumption. <https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/virtual-machine-scale-sets-autoscale-overview>

9. Question

You have the Azure virtual machines shown below.

Name	Azure Region
VM1	West Europe
VM2	West Europe
VM3	North Europe
VM4	North Europe

You have a Recovery Services vault that protects VM1 and VM2. You need to protect VM3 and VM4 by using Recovery Services. What should you do first?

- Create a new backup policy
- Create a storage account
- Create a new Recovery Services vault
- Configure the extensions for VM3 and VM4

Correct

A Recovery Services vault is a storage entity in Azure that houses data. The data is typically copies of data, or configuration information for virtual machines (VMs), workloads, servers, or workstations. You can use Recovery Services vaults to hold backup data for various Azure services References

<https://docs.microsoft.com/en-us/azure/site-recovery/azure-to-azure-tutorial-enable-replication#create-a-recovery-services-vault>

10. Question

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

Name	Address space	Location	Number of Azure virtual machines
VNET1	10.1.0.0/16	West US	100
VNET2	172.16.0.0/16	East US	400

You need to recommend a connectivity solution that will enable the virtual machines on VNET1 and VNET2 to communicate through the Microsoft backbone infrastructure. What should you include in the recommendation?

- Peering
- A Site-to-Site VPN
- A Point-to-Site VPN
- Azure ExpressRoute

Incorrect

Peering enables you to seamlessly connect Azure virtual networks. Once peered, the virtual networks appear as one, for connectivity purposes. The traffic between virtual machines in the peered virtual networks is routed through the Microsoft backbone infrastructure, much like traffic is routed between virtual machines in the same virtual network, through private IP addresses only. Azure supports: VNet peering – connecting VNets within the same Azure region Global VNet peering – connecting VNets across Azure regions <https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-peering-overview#connectivity>

11. Question

You have an Azure subscription named Subscription1. Subscription1 contains the virtual machines in the following table:

Name	IPAddress
VM1	10.0.1.4
VM2	10.0.2.4
VM3	10.0.3.4

Subscription1 contains a virtual network named VNet1 that has the subnets in the following table.

Name	IPAddress	Connected VM
Subnet1	10.0.1.0/24	VM1
Subnet2	10.0.2.0/24	VM2
Subnet3	10.0.3.0/24	VM3

VM3 has multiple network adapters, including a network adapter named NIC3. IP forwarding is enabled on NIC3. Routing is enabled on VM3. You create a route table named RT1 that contains the routers in the following table.

Address Prefix	Next Hop Type	Next Hop Adress
10.0.1.0/24	Virtual Appliance	10.0.3.4
10.0.2.0/24	Virtual Appliance	10.0.3.4

You apply RT1 to Subnet1 and Subnet2. What happens if VM2 tries to establish connection with VM1 when VM3 is turned off

Yes, it can connect

No, it can not connect

Correct

IP forwarding enables the virtual machine a network interface is attached to: Receive network traffic not destined for one of the IP addresses assigned to any of the IP configurations assigned to the network interface. Send network traffic with a different source IP address than the one assigned to one of a network interface's IP configurations. The setting must be enabled for every network interface that is attached to the virtual machine that receives traffic that the virtual machine needs to forward. A virtual machine can forward traffic whether it has multiple network interfaces or a single network interface attached to it. VM3, which has IP forwarding, must be turned on, in order for VM2 to connect to VM1.

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-udr-overview>

12. Question

Case Study

Overview

ProtectLives Insurance is an insurance company that has three offices in Berlin, Tokyo and Bangkok. Each office has 5,000 users.

Existing Environment

Active Directory Environment

ProtectLives Insurance has a single-domain Active Directory forest named ProtectLivesinsurance.com. The functional level of the forest is Windows Server 2012.

You recently provisioned an Azure Active Directory (Azure AD) tenant.

Network Infrastructure

Each office has a local data center that contains all the servers for that office. Each office has a dedicated connection to the Internet.

Each office has several link load balancers that provide access to the servers.

Active Directory Issue

Several users in ProtectLivesinsurance.com have UPNs that contain special characters.

You suspect that some of the characters are unsupported in Azure AD.

Licensing Issue

You attempt to assign a license in Azure to several users and receive the following error message: "Licenses not assigned. License agreement failed for one user."

You verify that the Azure subscription has the available licenses.

Requirements

Planned Changes

ProtectLives Insurance plans to open a new office in Paris. The Paris office will contain 1,000 users who will be hired during the next 12 months. All the resources used by the Paris office users will be hosted in Azure.

Planned Azure AD Infrastructure

The on-premises Active Directory domain will be synchronized to Azure AD.

All client computers in the Paris office will be joined to an Azure AD domain.

Planned Azure Networking Infrastructure

You plan to create the following networking resources in a resource group named All_Resources:

- Default Azure system routes that will be the only routes used to route traffic
- A virtual network named Paris-VNet that will contain two subnets named Subnet1 and Subnet2
- A virtual network named ClientResources-VNet that will contain one subnet named

ClientSubnet

- A virtual network named AllOffices-VNet that will contain two subnets named Subnet3 and Subnet4

You plan to enable peering between Paris-VNet and AllOffices-VNet. You will enable the Use remote gateways setting for the Paris-VNet peerings.

You plan to create a private DNS zone named ProtectLivesinsurance.local and set the registration network to the ClientResources-VNet virtual network.

Planned Azure Computer Infrastructure

Each subnet will contain several virtual machines that will run either Windows Server 2012 R2, Windows Server 2016, or Red Hat Linux.

Department Requirements

ProtectLives Insurance identifies the following requirements for the company's departments:

- Web administrators will deploy Azure web apps for the marketing department. Each web app will be added to a separate resource group. The initial configuration of the web apps will be identical. The web administrators have permission to deploy web apps to resource groups.
- During the testing phase, auditors in the finance department must be able to review all Azure costs from the past week.

Authentication Requirements

Users in the Berlin office must use Azure Active Directory Seamless Single Sign-on (Azure AD Seamless SSO) when accessing resources in Azure.

You are evaluating the connectivity between the virtual machines after the planned implementation of the Azure networking infrastructure.

Will Virtual Machines on ClientSubnet be able to connect to the internet?

No

Yes

Correct

Once the VNets are peered, all resources on one VNet can communicate with resources on the other peered VNets. You plan to enable peering between Paris-VNet and AllOffices-VNet. Therefore VMs on Subnet1, which is on Paris-VNet and VMs on Subnet3, which is on AllOffices-VNet will be able to connect to each other.

All Azure resources connected to a VNet have outbound connectivity to the Internet by default. Therefore VMs on ClientSubnet, which is on ClientResources-VNet will have access to the Internet; and VMs on Subnet3 and Subnet4, which are on AllOffices-VNet will have access to the Internet.

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-peering-overview>

<https://docs.microsoft.com/en-us/azure/networking/networking-overview#internet-connectivity>

13. Question

You create a virtual machine scale set named Scale1. Scale1 is configured as shown below

INSTANCES

* Instance count 	4 
* Instance size (View full pricing details) 	DS1_v2 (1 vCPU, 3.5 GB) 
Deploy as low priority 	No Yes
Use managed disks 	No Yes
+ Show advanced settings	

AUTOSCALE

Autoscale 	Disabled Enabled
* Minimum number of VMs 	2 
* Maximum number of VMs 	20 
Scale out	
* CPU threshold (%) 	80 
* Number of VMs to increase by 	2 
Scale in	
* CPU threshold (%) 	30 
* Number of VMs to decrease by 	4 

How many VM's will Scale1 be running if it is utilized at 85% rate for six minutes?

- 2
- 6
- 10
- 4
- 8

Correct

The Autoscale scale out rule increases the number of VMs by 2 if the CPU threshold is 80% or higher.

The initial instance count is 4 and rises to 6 when the 2 extra instances of VMs are added.

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

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/autoscale-best-practices>

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/autoscale-common-scale-patterns>

14. Question

You create a virtual machine scale set named Scale1. Scale1 is configured as shown below

INSTANCES

* Instance count ✓

* Instance size ([View full pricing details](#)) ✓

Deploy as low priority

Use managed disks

[+ Show advanced settings](#)

AUTOSCALE

Autoscale

* Minimum number of VMs ✓

* Maximum number of VMs ✓

Scale out

* CPU threshold (%) ✓

* Number of VMs to increase by ✓

Scale in

* CPU threshold (%) ✓

* Number of VMs to decrease by ✓

How many VM's will Scale1 be running if it is utilized at 25% for six minutes, and then utilized at 50% for six minutes?

8

4

2

6

10

Incorrect

The Autoscale scale in rule decreases the number of VMs by 4 if the CPU threshold is 30% or lower. The initial instance count is 4 and thus cannot be reduced to 0 as the minimum instances is set to 2.

Instances are only added when the CPU threshold reaches 80%. [https://docs.microsoft.com/en-us/azure/azure-](https://docs.microsoft.com/en-us/azure/azure-monitor/platform/autoscale-overview)

[monitor/platform/autoscale-best-practices](https://docs.microsoft.com/en-us/azure/azure-monitor/platform/autoscale-best-practices) <https://docs.microsoft.com/en-us/azure/azure-monitor/platform/autoscale-common-scale-patterns>

15. Question

You are developing a .NET Core on-premises application that updates multiple Azure SQL Database instances. The application must log all update commands attempted to a separate Azure SQL Database instance named AuditDb. You define an outer Transaction Scope with a loop enumerate and run the SQL commands on each customer database connection and an inner Transaction Scope to record all transactions attempted within the outer Transaction Scope to the AuditDb database. You need to develop a method to perform the updates to the databases. The solution must meet the following requirements.

- All rows written to the AuditDb database must be committed even if the outer transaction fails.
- If an error occurs writing to the AuditDb database, the outer transaction must be rolled back.
- If an error occurs writing to the Customer databases, only the outer transaction must be rolled back.
- Values for TransactionScopeOption must be specified for the customer databases.
- Values for TransactionScopeOption must be specified for the AuditDb database.

Which Transaction Scope Option values should you use?

- Suppress for Customer Tran Scope Option and Suppress for Audit Tran Scope Option
- Requires New for Customer Tran Scope Option and Suppress for Audit Tran Scope Option
- Requires New for the Customer Tran Scope Option and Requires New for the Audit Tran Scope Option
- Required for Customer Tran Scope Option and Required for Audit Tran Scope Option

Correct

16. Question

You have an Azure subscription that contains below resources

Name	Type	Address space
VNET1	Virtual network	10.1.1.0/24
Subnet1	Subnet	10.1.1.0/24
VM1	Virtual machine	Not applicable

Subnet1 is on VNET1. VM1 connects to Subnet1. You plan to create a virtual network gateway on VNET1. You need to prepare the environment for the planned virtual network gateway. What are two ways to achieve this goal?

Modify the address space used by VNET1.

Delete Subnet1.

Create a subnet named GatewaySubnet on VNET1.

Create a local network gateway.

Modify the address space used by Subnet1.

Incorrect

The virtual networks you peer must have non-overlapping IP address spaces. VNet1 in the picture shows that it has an address space of 10.2.0.0/16, which is the same as VNet2, and thus it overlaps. We need to change the address space for VNet1. <https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-manage-subnet#add-a-subnet> <https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-faq>

17. Question

You are creating a bot for a company by using QnA Maker. You need to ensure that the company can update the bot without third-party assistance. Which component should you use to meet the expectation below: Use an Azure Application insights resource for analytics

QnA Maker caller

QnA Maker management Service

QnA Maker executor

QnA Maker Runtime

Incorrect

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/overview/overview>

18. Question

You plan to migrate an on-premises Hyper-V environment to Azure by using Azure Site Recovery. The Hyper-V environment is managed by using Microsoft System Center Virtual Machine Manager (VMM). The Hyper-V environment contains the virtual machines in the following table:

Name	Operating system (OS)	OS disk size	BitLocker Drive Encryption (BitLocker) enabled on OS disks.	Generation
DC1	Windows Server 2016	500 GB	No	2
FS1	Ubuntu 16.04 LTS	200 GB	No	2
CA1	Windows Server 2012 R2	1 TB	Yes	1
SQL1	Windows Server 2016	200 GB	No	1

Which virtual machine can be migrated by using Azure Site Recovery?

- SQL1
- FS1
- CA1
- DC1

Correct

Supported components and settings for disaster recovery of on-premises Hyper-V VMs to Azure by using Azure Site Recovery are mentioned in below article <https://docs.microsoft.com/en-us/azure/site-recovery/hyper-v-azure-support-matrix#azure-vm-requirements>

19. Question

You have an Azure subscription named Subscription1. Subscription1 contains the virtual machines in the following table:

Name	IPAddress
VM1	10.0.1.4
VM2	10.0.2.4
VM3	10.0.3.4

Subscription1 contains a virtual network named VNet1 that has the subnets in the following table.

Name	IPAddress	Connected VM
Subnet1	10.0.1.0/24	VM1
Subnet2	10.0.2.0/24	VM2
Subnet3	10.0.3.0/24	VM3

VM3 has multiple network adapters, including a network adapter named NIC3. IP forwarding is enabled on NIC3. Routing is enabled on VM3. You create a route table named RT1 that contains the routers in the following table.

Address Prefix	Next Hop Type	Next Hop Address
10.0.1.0/24	Virtual Appliance	10.0.3.4
10.0.2.0/24	Virtual Appliance	10.0.3.4

You apply RT1 to Subnet1 and Subnet2. What happens if VM1 tries to establish connection with VM2

- No, it can not connect
- Yes, it can connect

Correct

IP forwarding enables the virtual machine a network interface is attached to: Receive network traffic not destined for one of the IP addresses assigned to any of the IP configurations assigned to the network interface. Send network traffic with a different source IP address than the one assigned to one of a network interface's IP configurations. The setting must be enabled for every network interface that is attached to the virtual machine that receives traffic that the virtual machine needs to forward. A virtual machine can forward traffic whether it has multiple network interfaces or a single network interface attached to it. The routing table allows connections from VM1 and VM2 to VM3. IP forwarding on VM3 allows VM1 to connect to VM2 via VM3. <https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-udr-overview>

20. Question

A company is migrating an existing on-premises third-party website to Azure. The website is stateless. The company does not have access to the source code for the website. They do not have the original installer. The number of visitors at the website varies throughout the year. The on-premises infrastructure was resized to accommodate peaks but the extra capacity was not used. You need to implement a virtual machine scale set instance. What should you do?

- Scale out by one instance when the average CPU usage of one of the instances is over 80 percent
- Use an autoscale setting with unlimited maximum number of instances
- Use a webhook to log autoscale failures
- Create 100 autoscale settings per resource
- Use Azure Monitor to create autoscale settings using custom metrics
- Use an autoscale setting to scale instances vertically

Correct

Azure Monitor autoscale can be used on Virtual Machine Scale Sets. <https://docs.microsoft.com/en-us/azure/azure-monitor/platform/autoscale-custom-metric>

21. Question

kloudviva has an Azure subscription that contains an Azure Active Directory (Azure AD) tenant named kloudviva.com. You are the global administrator. You are asked to enable Enterprise State Roaming for 10 privileged users of the organization. You observe that the options for Enterprise State Roaming are unavailable from Azure AD. You need to ensure that you can enable Enterprise State Roaming. How can you achieve this?

- Purchase an Azure AD Premium P1 license for 10 identified users
- Assign an Azure AD Privileged Identity Management (PIM) role to Global Admins
- Enforce Azure Multi-Factor Authentication (MFA) for all Global Admins
- Purchase an Azure Rights Management (Azure RMS) license for identified users

Correct

Enterprise State Roaming is available to any organization with an Azure AD Premium or Enterprise Mobility + Security (EMS) license. <https://docs.microsoft.com/bs-latn-ba/azure/active-directory/devices/enterprise-state-roaming-enable>

22. Question

You have an Azure Cosmos DB database that contains a container named Container1. The partition key for Container1 is set to /day. Container1 contains the items shown below

Name	Content
Item1	{ "id": "1", "day": "Mon", "value" : "10" }
Item2	{ "id": "2", "day": "Mon", "value" : "15" }
Item3	{ "id": "3", "day": "Tue", "value" : "10" }
Item4	{ "id": "4", "day": "Wed", "value" : "15" }

You need to programmatically query Azure Cosmos DB and retrieve Item1 and Item2 only. You run the following query `SELECT day FROM c WHERE c.value = "10" OR c.value = "15"`. You set the `EnableCrossPartitionQuery` property to True. Does this meet the goal?

No

Yes

Correct

Query Returns Item1, Item2, Item3, and Item4. <https://docs.microsoft.com/en-us/azure/cosmos-db/sql-query-where> <https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.documents.client.feedoptions.enablecrosspartitionquery?view=azure-dotnet>

23. Question

You have an Azure subscription. You plan to deploy an app that has a web front end and an application tier. You need to recommend a load balancing solution that meets the following requirements: Internet to web tier: – Provides URL-based routing – Supports connection draining – Prevents SQL injection attacks Which load balancing solution should you recommend for internet to web tier?

An internal Azure Standard Load Balancer

An Azure Application Gateway that has a web application firewall (WAF)

- A public Azure Basic Load Balancer
- A private Azure Basic Load Balancer

Correct

Azure Application Gateway offers a web application firewall (WAF) that provides centralized protection of your web applications from common exploits and vulnerabilities. Web applications are increasingly targeted by malicious attacks that exploit commonly known vulnerabilities. SQL injection and cross-site scripting are among the most common attacks. Application Gateway operates as an application delivery controller (ADC). It offers Secure Sockets Layer (SSL) termination, cookie-based session affinity, round-robin load distribution, content-based routing, ability to host multiple websites, and security enhancements. <https://docs.microsoft.com/en-us/azure/application-gateway/waf-overview>

24. Question

A company's development team is currently developing a Docker/Go based application. The application needs to be deployed to the Azure Web App service using containers on the Linux platform. Currently there are no resource groups in place in the company's Azure account that supports the Linux platform. You must advise on the necessary and minimum number of steps to provide the ability to host the application in the company's Azure account. Which of the following Azure CLI commands would you recommend implementing for this requirement? Choose 3 answers from the options given below

 A. az group update B. az webapp update C. az group create D. az appservice plan create E. az webapp create**Correct**

The first step is to create a resource group

The next step is to create the App Service Plan

The final step is to create the Azure Web App

Since these steps are clearly given in the documentation, all other options are invalid

For more information on creating app services for docker containers, please visit the below URL

<https://docs.microsoft.com/en-us/azure/app-service/containers/quickstart-docker-go>

25. Question

A company has an on-premise setup and a setup defined in Azure. They have gone ahead and created an Azure Logic App named skillcertlabsapp. They need this app to query an on-premise SQL database server. Which of the following steps need to be performed to fulfil this requirement? Choose 3 answers from the options given below

- A. Create a Virtual Machine in Azure
- B. Install the On-premise data gateway on the Azure Virtual Machine
- C. From the Azure portal, create an on-premise data gateway
- D. On a computer in the on-premise network, install an on-premise data gateway
- E. From the Logic App Designer, add a connector

Correct

The On-premise data gateway allows one to connect to various data sources from Azure Logic Apps as mentioned in the Microsoft documentation given below

First you have to install the on-premise data gateway on an on-premise computer.

The next step is to create the resource in Azure.

And next is to setup the connection

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on logic apps and the gateway connection, please visit the below URL

<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-gateway-connection>

26. Question

Your company needs to migrate a Virtual Machine, skillcertlabs-vm, hosted in Amazon Web Services to Azure using Azure Site Recovery. The following resources have been created for the implementation

A Virtual Network in Azure

A Replication Policy

A Recovery Services vault

An Azure storage account

Which of the following steps would you carry out for the migration? Choose 3 answers from the options given below

- A. Install Azure Site Recovery Unified Setup
- B. Enable Windows Powershell remoting on skillcertlabs-vm
- C. Enable replication for skillcertlabs-vm
- D. Create an Azure Migrate project

E. Deploy another server in Amazon Web Services as the configuration server

Incorrect

The steps for the migration are provided in the Microsoft documentation

You need to first create a new server in Amazon Web Services as the configuration server. Next you have to download the Microsoft Azure Site Recovery Unified Setup.

And then finally you can implement replication

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on migrating a server on AWS to Azure, please visit the below URL

<https://docs.microsoft.com/en-us/azure/site-recovery/migrate-tutorial-aws-azure>

27. Question

A company wants to sync their on-premise AD with Azure AD. They have setup Azure AD connect and configured the setup for Password hash synchronization, Single Sign-On and staging mode is also enabled. After an initial review it can be seen that the Synchronization Service Manager is not displaying any sync jobs.

Which of the following step would need to be carried out to resolve this issue?

- A. be sure to configure, Azure AD for Pass-through Authentication
- B. Run a full import using the Service Manager
- C. From Azure AD Connect, ensure to disable staging mode
- D. Run a full import from the local on-premise AD

Correct

This issue is also mentioned in the Microsoft documentation.

Since this is clearly mentioned in the documentation, all other options are incorrect

For more information on the staging mode feature, please visit the below URL

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

28. Question

View Case Study:

1. Overview
- 2.
3. skillcertlabs is an online training provider.
- 4.
5. On-Premise Environment:
- 6.

7. Currently skillcertlabs has a set of applications running on their on-premise environment. The applications are hosted on Virtual machines hosted on a VMware environment managed by vCenter server 6.5.
- 8.
9. The Virtual Machines are all part of an Active Directory forest named skillcertlabs.com
10. All of the virtual machines run Windows Server 2016
11. The Mumbai office has a virtual machine named demo-virtual that has the vSphere console installed
12. The company currently has the following offices with their associated IP address spaces
- 13.
14. Office Location Address space
- 15.
16. Mumbai 10.0.0.0/16
- 17.
18. Hyderabad 10.10.0.0/16
- 19.
20. The offices are connected by using a VPN connection.
21. Each office also has one Azure ExpressRoute circuit. This provides access to Azure services and Microsoft Online Services
- 22.
23. Azure Environment:
- 24.
25. The following resources have been setup in Azure
- 26.
27. Name – Type – Region
28. skillcertlabs-rec1 – Azure Recovery Services Vault – East US
29. skillcertlabs-rec2 – Azure Recovery Services Vault – West US
30. skillcertlabs-gateway1 – Azure Application gateway – East US
31. skillcertlabs-gateway2 – Azure Application gateway – West US
32. skillcertlabs-er – ExpressRoute – East US
33. skillcertlabs-er – ExpressRoute – West US
- 34.
35. skillcertlabs-gateway1 has 2 backend pools named PoolA and PoolB.
36. skillcertlabs-gateway2 has 2 backend pools named PoolC and PoolD.
- 37.
38. Planned Changes:
- 39.
40. Virtual Machines from the Mumbai office need to be migrated to the East US Azure region using Site Recovery
41. An Azure Web app named skillcertlabs-app needs to be deployed
42. Capacity planning needs to be carried out for the Virtual Machines that would be migrated from on-premise to Azure

43. The Application gateway skillcertlabs-gateway1 must balance incoming traffic as shown in docs
44. http://skillcertlabs.com/video/* will be load balanced across PoolA
45. http://skillcertlabs.com/images/* will be load balanced across PoolB
- 46.
47. The Application gateway skillcertlabs-gateway2 must balance incoming traffic as shown in docs
48. <http://skillcertlabs-quiz.com/> will be load balanced across PoolC
49. <http://skillcertlabs-forum.com/> will be load balanced across PoolD
- 50.
51. An Azure function named skillcertlabs-function will be deployed. This application must be able to connect directly to the private IP addresses of the Azure virtual machines. The app function must also automatically process uploaded blobs immediately with no delays.
52. All costing aspects should be kept to a minimum

You need to now migrate the On-premise Virtual Machines in the Mumbai office to Azure. Which of the below steps do you need to implement for this requirement? Choose 4 answers from the options given below

- A. Deploy a new Virtual Machine in your on-premise environment
- B. In your Azure Site Recovery Service vault, ensure to select a protection goal
- C. In the Azure Portal, download the OVF file
- D. From the new Virtual Machine, register a configuration server
- E. From the new Virtual Machine, connect to the collector virtual machine

Incorrect

The steps are also mentioned in the Microsoft documentation

The first step is to setup a protection goal

You need to download the OVF template to configure a configuration server

And then register the configuration server

For more information on Azure Site recovery replication for VMware VM's, please visit the below URL

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

29. Question

A company has an on-premise network. They want to setup a site-to-site VPN connection with an Azure Virtual Network named skillcertlabs-net. The Virtual Network has an address space of 10.0.0.0/16. It also has a subnet with an address space 10.0.0.0/24.

Which of the following steps would you implement for the Site to Site VPN connection? Choose 4 options.

- A. Create a gateway subnet

B. Create a new DNS domain C. Create a local gateway D. Create a data gateway E. Create a VPN gateway F. Create a VPN connection

Correct

The steps are clearly provided in the Microsoft documentation

One of the first steps is to create a gateway subnet for your defined Virtual Network

The next step is to create a VPN gateway

Then create the local network gateway

And then create the VPN connection

For more information on creating a site to site VPN connection, one can go to the below link

<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-site-to-site-resource-manager-portal>

30. Question

A company has a number of VMWare Virtual Machines that need to be migrated onto Azure. You first have to discover and assess the virtual machines for the migration. Which of the following steps would you implement for this requirement? Choose 4 answers from the options given below

 A. From the Azure Portal, download the OVA file B. Create a collector virtual Machine C. From the Azure Portal, download the Azure Site Recovery agent D. Configure the collector to start the discovery E. Create an assessment F. Create a backup policy

Incorrect

The steps are clearly provided in the Microsoft documentation as shown below

And then you can create an assessment

Since the steps are clearly mentioned, all other options are incorrect

For more information on performing an assessment for VMware VM's, please go to the below URL

<https://docs.microsoft.com/en-us/azure/migrate/tutorial-assessment-vmware>

31. Question

A company is developing an ecommerce web application. One of the modules of the application will be built using a messaging solution architecture. The modules will have the following features

A Workflow run for several items published on the web application.

The Workflow would be built using Azure Logic Apps.

The item data would be stored in Azure BLOB storage.

Which of the following would you additionally incorporate for the module?

- A. Azure Event Grid
- B. Azure Event Hub
- C. Azure HDInsight
- D. Azure Service Bus

Correct

You can use the Azure Service Bus queue system as the messaging service for the module. The Microsoft documentation mentions the following

Option A is incorrect since this is normally used for event processing

Option B is incorrect since this is a big data ingestion service

Option C is incorrect since this is an analytics service

For more information on Azure Service Bus, please go to the below URL

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

32. Question

A company has a set of 10 Virtual Machines created in their Azure subscription.

There is a requirement to ensure that an IT administrator gets an email whenever the following operations are performed on the Virtual Machine

Restart of the machine

Whenever the machine is deallocated

Whenever the machine is powered off

You need to decide on the minimum number of rules and actions groups required in Azure Monitor for this requirement. Choose 2 answers from the options given below

- A. Three rules
- B. One rule
- C. One action group
- D. Three action groups

Correct

When you create a rule in Azure Monitor, you need to choose 3 separate rules, one for each requirement.

You will need to create 3 alert rules. One rule for every Activity Log signal.

You can then just create one action group as shown below. That action group could be used to generate the email.

Since this is clear from the implementation, all other options are incorrect.

For more information on alerts in Azure Monitor, please go ahead and visit the below URL

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

33. Question

View Case Study:

1. Overview
- 2.
3. skillcertlabs is an online training provider.
- 4.
5. Existing Environment:
- 6.
7. The existing environment for skillcertlabs currently consists of the following resources
- 8.
9. An on-premise data centre that hosts an Active Directory forest named skillcertlabs.com
10. The Active Directory contains users from different departments – IT, Finance, HR
- 11.
12. The following table shows the On-premise infrastructure. All servers are running in a virtualized environment
13. On-premise server name – Type of Virtualization – Virtual Machine name
14. skillcertlabs-ser1 – VMware vCenter server – demovm
15. skillcertlabs-ser2 – Hyper-V host – demovm-test
- 16.
17. There are 2 web applications that are hosted on the On-premise environment. The overall details of the web applications are given below
18. Programming Language – .Net
19. Average memory used for each application – 1 GB
- 20.
21. Proposed Environment:
- 22.
23. skillcertlabs is looking towards purchasing an Azure subscription and setting up their environment in Azure
24. The Virtual Machines need to have a central location for storage of files. They would connect to these file shares using SMB.

25. All applications and Virtual Machines need to be migrated onto Azure
26. One of the web applications which will be hosted in Azure Web Apps needs to be mapped to a custom domain of skillcertlabs-quiz.com in Azure.
27. Active Directory users need to be synched onto Azure AD
- 28.
29. The following Virtual Networks and subnets are going to be setup in Azure
30. Virtual Network name – Address space
31. skillcertlabs-net1 – 10.0.0.0/16
32. skillcertlabs-net2 – 20.0.0.0/16
- 33.
34. Subnet name – Virtual Network name – Address space
35. SubnetA – skillcertlabs-net1 – 10.0.1.0/24
36. SubnetB – skillcertlabs-net2 – 20.0.1.0/24
- 37.
38. Technical Requirements:
- 39.
40. The Instances for the underlying Web applications should be able to scale up to 5 instances
41. The migrated Virtual Machines in Azure should be able to communicate to the Internet on port 8080
42. A workflow should be in place for demovm when it is migrated onto Azure. The IT Administrative staff needs to be notified on any changes that occur on this Virtual Machine
43. Minimize costs wherever possible
44. There should be an encrypted connection between the On-premise data centre and the Virtual Network skillcertlabs-net2
- 45.
46. A custom role needs to be defined known as skillcertlabsrole which will be based on the reader role.

You need to migrate the servers from the on-premise server skillcertlabs-ser2 to Azure. Which of the following would you need to setup in Azure for this?

- A. An Azure Migrate project
- B. A Recovery Services vault
- C. An Azure Import/Export account
- D. A CosmosDB account

Correct

One of the key steps to performing the migration is to setup an Azure Recovery Services vault. This is also mentioned in the tutorial in the Microsoft documentation which explains how to migrate servers from Hyper-V hosts to Azure.

Since this is clearly mentioned in the documentation, all other options are incorrect

For more information on the tutorial, please go ahead and visit the below URL

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

34. Question

A company is preparing their Azure environment for the backup of their Azure Virtual Machines. They need to ensure the following when it comes to the backup of the Virtual Machines

The Virtual machines need to be backed up daily at 03:00 UTC time

The backups should be retained for a period of 90 days

Which of the following should you configure in Azure Recovery Services vault?

A. Backup Policy

B. Backup Schedule

C. Backup Logs

D. Backup Infrastructure

Correct

To specify the backup schedule, you first need to go to the Azure Site Recovery Services vault , go to Backup policies and then click on Add.

Choose Azure Virtual Machine in the next screen

You can then define the schedule for the backup and the retention of the daily backup via a policy

Since this is clear from the implementation, all other options are incorrect

For more information on Azure backup, please visit the below URL

<https://docs.microsoft.com/en-us/azure/backup/backup-introduction-to-azure-backup>

35. Question

A company has a web application named skillcertlabsapp deployed to Azure. The Web App is deployed using the Azure App Service based on the D1 pricing tier. The application is now being modified and needs to accept connections on HTTPS. Which of the following needs to be done to ensure this requirement can be fulfilled? You have to ensure that the cost is minimized for any changes made.

A. Scale out the App Service Plan

B. Scale up the App Service Plan

C. Change the properties of the Web App

D. Change the Quota of the Web App

Incorrect

If you look at the Microsoft documentation on the features of the App Service Plans, you can see that the ability to support SSL is only available with the Basic App Service Plan and higher. The D1 Pricing tier means that the App is hosted using the Shared App Service plan which does not have this feature. In order to ensure the Web App works on a higher App service plan, choose the Scale Up option for the Web App. An example is shown below.

Option A is incorrect since this option is used for Autoscaling purpose.

Options C and D are incorrect since these are read-only features.

For more information on App Service Plans, please visit the below URL

<https://azure.microsoft.com/en-us/pricing/details/app-service/plans/>

36. Question

A company is planning on deploying a storage account which will be used to host file shares. These file shares will be used by a number of Virtual Machines hosted in Azure. There is a requirement to ensure the highest possible redundancy for the files that would be stored in the storage account. Which of the following replication technique would you employ for the storage account?

- A. Locally redundant storage (LRS)
- B. Zone-redundant storage (ZRS)
- C. Geo-redundant storage (GRS)
- D. Read-access geo-redundant storage (RA-GRS)

Incorrect

If you want to ensure the highest redundancy possible, then you have to choose the replication policy as Read-access geo-redundant storage. The Microsoft documentation mentions the following

All other options are incorrect because they will not ensure maximum redundancy

For more information on storage accounts data redundancy, one can go to the below link

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

37. Question

A development team has been instructed to implement a simple solution in Azure. The primary requirement is to ensure that an IT administrator team is notified whenever any infrastructure level changes are made to a virtual machine defined in their Azure subscription. Which of the following steps can be used to implement this solution? Choose 2 answers from the options given below

- A. Create a workflow using the Azure Logic App service
- B. Create a workflow using the Azure Event Grid service
- C. Use the Event Grid service to check for Virtual Machine level changes

- D. Use the Event Hub service to check for Virtual Machine level changes

Correct

An example of this is provided in the Microsoft documentation. Here you can use Azure Event Grid to notify on Virtual Machine level changes and direct them to an Azure Logic App.

Option B is incorrect since workflows should be defined in the Azure Logic App service

Option D is incorrect since the Event Hub service is NOT used to check for resource level changes

For more information on this use case scenario, please go to the below URL

<https://docs.microsoft.com/en-us/azure/event-grid/monitor-virtual-machine-changes-event-grid-logic-app>

38. Question

View Case Study:

1. Overview
- 2.
3. skillcertlabs is an online training provider.
- 4.
5. Current System – Training Site
- 6.
7. The system consists of 3 tiers
- 8.
9. Front end Web App
10. Middle tier API
11. Back end data store
12. The backend is running on Microsoft SQL server 2016
- 13.
14. All servers are running on Windows
- 15.
16. The Front and Middle tiers are written in C# and hosted on Internet Information Services
- 17.
18. The system currently has the following requirements
- 19.
20. The front and middle tier components currently make use of encryption keys to access the data store
21. Backups are maintained in 2 separate locations that are 80 miles apart
22. The backups need to be stored for up to 5 years
23. Traffic to the servers needs to be controlled via source IP address and port no
24. Access to the system should only be via the internal network of skillcertlabs
25. Current System – Processing system
- 26.
27. skillcertlabs also has an internal processing system. This is a C# Windows based service that gets

invoked based on requests from the main training system. Each invocation of this service lasts for a maximum of 2 minutes.

28.

29. Planned Changes

30.

31. skillcertlabs wants to migrate all systems to Azure

32.

33. Key requirements

34.

35. Infrastructure services must remain available if a region or a data center fails.

36. Failover must occur without any administrative intervention

37. Wherever possible, Azure managed servers must be used to management overhead

38. Whenever possible, costs must be minimized.

39. An SLA of 99.95% must be guaranteed on the Infrastructure for the front and middle tier systems

You need to perform a migration of the on-premise Microsoft SQL server database to Azure. Which of the following is a service that can be employed for this requirement?

- A. Azure HDInsight
- B. Azure Database Migration Service
- C. Azure Elastic Pools
- D. Azure Managed Instance

Correct

You can use the Azure Database Migration Service. The Microsoft documentation provides a tutorial on how to accomplish this.

Since this is clearly mentioned, all other options are incorrect

For more information on a tutorial on how to use the Database Migration Assistant, please go ahead and visit the below URL

<https://docs.microsoft.com/en-us/azure/dms/tutorial-sql-server-to-azure-sql>

39. Question

A company has setup an Active Directory tenant called skillcertlabs and an Azure Subscription. They want to give a set of developers the ability to create Azure Logic Apps. They decide to create an Azure AD Group called "skillcertlabs-dev". You need to ensure the right role is allocated to the group so that the members can create Azure Logic Apps.

You decide to provide the Logic App Contributor role to the group.

Would this solution fulfil the requirement?

A. Yes B. No**Correct**

If you look at the Microsoft documentation on the permissions available for the Logic App Contributor role, you can see that the role has permissions to create Resource deployments and to manage Azure Logic Apps. Hence the role would allow members to deploy Azure Logic Apps.

For more information on built-in roles, please visit the below URL

<https://docs.microsoft.com/en-us/azure/role-based-access-control/built-in-roles>

40. Question

A company has setup an Active Directory tenant called skillcertlabs and an Azure Subscription. They want to give a set of developers the ability to create Azure Logic Apps. They decide to create an Azure AD Group called “skillcertlabs-dev”. You need to ensure the right role is allocated to the group so that the members can create Azure Logic Apps.

You decide to provide the Logic App Operator role to the group.

Would this solution fulfil the requirement?

 A. Yes B. No**Correct**

If you see the Microsoft documentation and the definition of the Logic App Operator Role , you can see that the role only allows to read and work with the Logic App resource but not manage them.

For more information on built-in roles, please visit the below URL

<https://docs.microsoft.com/en-us/azure/role-based-access-control/built-in-roles>

41. Question

A company has setup an Active Directory tenant called skillcertlabs and an Azure Subscription. They want to give a set of developers the ability to create Azure Logic Apps. They decide to create an Azure AD Group called “skillcertlabs-dev”. You need to ensure the right role is allocated to the group so that the members can create Azure Logic Apps.

You decide to provide the Storage Account Contributor role to the group.

Would this solution fulfil the requirement?

 A. Yes B. No

Correct

This role is specifically meant for managing storage accounts as shown below in the Microsoft documentation

For more information on built-in roles, please visit the below URL

<https://docs.microsoft.com/en-us/azure/role-based-access-control/built-in-roles>

42. Question

A company is currently hosting 50 Virtual Machines as part of their subscription.

The senior management has given instructions to conduct a review and identify any underutilized virtual machines. This is to ensure cost is managed effectively for the Azure Virtual Machines. Which of the following could you use for this purpose?

- A. Azure Metrics
- B. Azure Advisor
- C. Azure Diagnostics
- D. Azure Active Directory

Correct

Such a use case for Azure Advisor is also given in the Microsoft documentation as shown below

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on Azure Advisor cost recommendations, please visit the below URL

<https://docs.microsoft.com/en-us/azure/advisor/advisor-cost-recommendations>

43. Question

A company currently has the following setup in their Azure account

Below are the Virtual Networks in place

Name Description

skillcertlabs-net1 Virtual Network

skillcertlabs-net2 Virtual Network

Below are the Virtual Machines in place

Name Virtual Network

skillcertlabsvm1 skillcertlabs-net1

skillcertlabsvm2 skillcertlabs-net2

skillcertlabsvm3 skillcertlabs-net2

An Application Gateway now needs to be deployed to skillcertlabs-net1. Which of the following needs to be done first before the Application Gateway can be deployed?

- A. Create a Virtual Network gateway
- B. Create a Load Balancer
- C. Create a Dedicated Subnet
- D. Create a Network Security Group

Incorrect

One of the pre-requisites for hosting an Application gateway is to have an empty subnet to host the Application Gateway resources. Below is what is mentioned in the Microsoft documentation

Option A is incorrect since the Virtual Network gateway is used for Site-to-Site VPN connections

Option B is incorrect since this is a separate load balancing solution

Option D is incorrect since this is used to protect the traffic flowing into a subnet or network interface

For more information on the configuration of the Application gateway, please visit the below URL

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

44. Question

Your company currently has an Azure AD tenant named skillcertlabs.onmicrosoft.com.

The company wants to make use of their own domain name skillcertlabs.com. They have already purchased the public domain via a domain registrar.

They now need to add the domain to Azure AD. Which of the following DNS record needs to be created in the domain registrar so that the domain name can be verified in Azure AD?

- A. PTR
- B. TXT
- C. CNAME
- D. DNS

Correct

This is also given in the Microsoft documentation as shown below. You need to add the TXT record type to the domain registrar.

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on adding custom domains to Azure AD, please visit the below URL

<https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/add-custom-domain>

45. Question

A company currently has an Azure AD tenant and a subscription. They also have purchase Azure AD premium licences. They now want to ensure that all users who access resources via the Azure portal must

undergo the process of Multi-factor authentication. You need to configure the conditional access policy for this.

Which of the following sections would you configure? Choose 3 answers from the options given below

Assignments

Users and groups  >

0 users and groups selected

Cloud apps  >

0 cloud apps selected

Conditions  >

0 conditions selected

Access controls

Grant  >

0 controls selected

Session  >

0 controls selected

Enable policy

A. Users and Groups

B. Cloud Apps

C. Conditions

D. Grant

E. Session

Correct

First is the configuration of the Users and Groups. Since you need the conditional access policy to be in tune for all users, you need to set this accordingly in the policy.

Next since you need this to be in place for the Azure Portal, ensure that you choose “Microsoft Azure Management” in the Cloud Apps section.

And finally, in the Grant section, ensure to check the Multi-Factor authentication option.

Since this is clear from the implementation, all other options are incorrect

For more information on conditional access in Azure, please visit the below URL
<https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/overview>

46. Question

A company wants to create a private hosted zone called skillcertlabs.com. They want to create a new network called skillcertlabs-net1 and ensure that this network is set as the registration network.

You need to complete the below Powershell script for this

Which of the following would go into Slot1?

A. New-AzVirtualNetwork

B. Set-AzVirtualNetwork

C. Update-AzVirtualNetwork

D. Get-AzVirtualNetwork

Incorrect

An example of this is given in the Microsoft documentation.

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on creating a private DNS zone via powershell, please visit the below URL

<https://docs.microsoft.com/en-us/azure/dns/private-dns-getstarted-powershell>

47. Question

A company wants to create a private hosted zone called skillcertlabs.com. They want to create a new network called skillcertlabs-net1 and ensure that this network is set as the registration network.

You need to complete the below Powershell script for this

Which of the following would go into Slot2?

A. New-AzPrivateDnsZone

B. New-AzDnsZone

C. New-AzCustomDnsZone

D. New-AzZone

Incorrect

An example of this is given in the Microsoft documentation.

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on creating a private DNS zone via powershell, please visit the below URL:

<https://docs.microsoft.com/en-us/powershell/module/az.dns/new-azdnszone?view=azps-2.4.0>

<https://docs.microsoft.com/en-us/azure/dns/private-dns-getstarted-powershell>

48. Question

A company wants to create a private hosted zone called skillcertlabs.com. They want to create a new network called skillcertlabs-net1 and ensure that this network is set as the registration network.

You need to complete the below Powershell script for this

Which of the following would go into Slot3?

- A. NewZone
- B. Custom
- C. Private

Correct

An example of this is given in the Microsoft documentation.

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on creating a private DNS zone via powershell, please visit the below URL

<https://docs.microsoft.com/en-us/azure/dns/private-dns-getstarted-powershell>

49. Question

A company currently has an on-premise Active directory domain called skillcertlabs.com and an Azure AD tenant called skillcertlabs.onmicrosoft.com.

Below are the user accounts defined for skillcertlabs.com

Name Member Of

skillcertlabs-usr1 Domain Admins

skillcertlabs-usr2 Schema Admins

skillcertlabs-usr3 Replicator

skillcertlabs-usr4 Enterprise Admins

Below are the user accounts defined for skillcertlabs.onmicrosoft.com

Name Role

skillcertlabs-admin1 Global Administrator

skillcertlabs-admin2 User Administrator

skillcertlabs-admin3 Security Administrator

skillcertlabs-admin4 Service Administrator

The company wants to implement Azure AD connect. They need to specify which user would be required to carry out the implementation. They need to ensure the least privileges are in place for the implementation.

Which user as part of the skillcertlabs.com could be part of the implementation?

- A. skillcertlabs-usr1
- B. skillcertlabs-usr2
- C. skillcertlabs-usr3
- D. skillcertlabs-usr4

Correct

The privileges required for the On-premise setup are given in the Microsoft documentation

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on the pre-requisites for installation, please visit the below URL

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

50. Question

A company currently has an on-premise Active directory domain called skillcertlabs.com and an Azure AD tenant called skillcertlabs.onmicrosoft.com.

Below are the user accounts defined for skillcertlabs.com

Name Member Of

skillcertlabs-usr1 Domain Admins

skillcertlabs-usr2 Schema Admins

skillcertlabs-usr3 Replicator

skillcertlabs-usr4 Enterprise Admins

Below are the user accounts defined for skillcertlabs.onmicrosoft.com

Name Role

skillcertlabs-admin1 Global Administrator

skillcertlabs-admin2 User Administrator

skillcertlabs-admin3 Security Administrator

skillcertlabs-admin4 Service Administrator

The company wants to implement Azure AD connect. They need to specify which user would be required to carry out the implementation. They need to ensure the least privileges are in place for the implementation.

Which user as part of the skillcertlabs.onmicrosoft.com could be part of the implementation?

- A. skillcertlabs-admin1
- B. skillcertlabs-admin2
- C. skillcertlabs-admin3
- D. skillcertlabs-admin4

Incorrect

The privileges required for the Azure setup are given in the Microsoft documentation

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on the pre-requisites for installation, please visit the below URL

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

51. Question

A company currently has an Azure Subscription and a tenant defined. They are hosting their data store in an Azure SQL database. There is a Customer table that contains a Social Security Number column. It needs to be ensured that no external user can access the data in the Social Security Number column in the table. Would using the Protection method of “Always Encrypted” help achieve this requirement?

A. Yes

B. No

Correct

Yes, this is one of the methods given in the Microsoft documentation

For more information on protecting data using AlwaysOn Encryption, please visit the below URL

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-always-encrypted-azure-key-vault>

52. Question

A company currently has an Azure Subscription and a tenant defined. They are hosting their data store in an Azure SQL database. There is a Customer table that contains a Social Security Number column. It needs to be ensured that no external user can access the data in the Social Security Number column in the table. Would using the Protection method of “Setting the column encryption setting to disabled” help achieve this requirement?

A. Yes

B. No

Correct

No, for this requirement you have to use AlwaysOn Encryption

For more information on protecting data using AlwaysOn Encryption, please visit the below URL

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-always-encrypted-azure-key-vault>

53. Question

A company currently has an Azure Subscription and a tenant defined. They are hosting their data store in an Azure SQL database. There is a Customer table that contains a Social Security Number column. It needs

to be ensured that no external user can access the data in the Social Security Number column in the table.

Would using the Protection method of “Assigning the Public fixed database role” help achieve this requirement?

A. Yes

B. No

Correct

No, for this requirement you have to use AlwaysOn Encryption

For more information on protecting data using AlwaysOn Encryption, please visit the below URL

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-always-encrypted-azure-key-vault>

54. Question

A company currently has an Azure Subscription and a tenant defined. They are hosting their data store in an Azure SQL database. There is a Customer table that contains a Social Security Number column. It needs to be ensured that no external user can access the data in the Social Security Number column in the table.

Would using the Protection method of “Storing the encryption keys in the system table of the database” help achieve this requirement?

A. Yes

B. No

Correct

No, the encryption keys should ideally be stored in the Azure Key vault service as mentioned in the Microsoft documentation below

For more information on protecting data using AlwaysOn Encryption, please visit the below URL

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-always-encrypted-azure-key-vault>

55. Question

A company currently has an Azure Subscription and a tenant defined. They have a Virtual Network named as “skillcertlabs-net” defined in Azure.

They also have the following users defined in Azure AD

Name Role

skillcertlabs-admin1 Owner

skillcertlabs-admin2 Security Admin

skillcertlabs-admin3 Network Contributor

Which of the following user/users would be able to add a subnet to the Virtual Network “skillcertlabs-net”?

- A. skillcertlabs-admin1 only
- B. skillcertlabs-admin2 only
- C. skillcertlabs-admin3 only
- D. skillcertlabs-admin1 and skillcertlabs-admin2 only
- E. skillcertlabs-admin1 and skillcertlabs-admin3 only
- F. skillcertlabs-admin2 and skillcertlabs-admin3 only

Correct

The Owner has all privileges

The Network Contributor has privileges to manage networks. A snapshot of the permissions for the Network Contributor role is shown below

The Security Admin can only work with the Azure Security Service as given in the Microsoft documentation

For more information on in-built, please visit the below URL

<https://docs.microsoft.com/en-us/azure/role-based-access-control/built-in-roles>

56. Question

A company currently has an Azure Subscription and a tenant defined. They have a Virtual Network named as “skillcertlabs-net” defined in Azure.

They also have the following users defined in Azure AD

Name Role

skillcertlabs-admin1 Owner

skillcertlabs-admin2 Security Admin

skillcertlabs-admin3 Network Contributor

Which of the following user/users would be able to assign a user the reader role to the Virtual Network “skillcertlabs-net”?

- A. skillcertlabs-admin1 only
- B. skillcertlabs-admin2 only
- C. skillcertlabs-admin3 only
- D. skillcertlabs-admin1 and skillcertlabs-admin2 only
- E. skillcertlabs-admin1 and skillcertlabs-admin3 only
- F. skillcertlabs-admin2 and skillcertlabs-admin3 only

Correct

The Owner has all the privileges including the privilege to manage resources as shown below in the Microsoft documentation.

The Network Contributor role cannot assign permissions as highlighted below.

For more information on in-built, please visit the below URL

<https://docs.microsoft.com/en-us/azure/role-based-access-control/built-in-roles>

57. Question

View Case Study:

1. A company has an Azure Subscription. They have the following Networks defined
- 2.
3. Name – Address Space
4. skillcertlabs-net1 – 10.1.0.0/16
5. skillcertlabs-net2 – 10.2.0.0/16
6. skillcertlabs-net3 – 10.3.0.0/16
- 7.
8. The following subnets are defined
- 9.
10. Name – Address Space
11. SubnetA – 10.1.1.0/24
12. SubnetB – 10.2.1.0/24
13. SubnetC – 10.3.1.0/24
- 14.
15. The following Virtual Machines are defined
- 16.
17. Name – IP address – Subnet
18. skillcertlabsvmA – 10.1.1.4 – SubnetA
19. skillcertlabsvmB – 10.2.1.4 – SubnetB
20. skillcertlabsvmC – 10.3.1.4 – SubnetC
- 21.
22. skillcertlabsvmC is being used as a routing server. This machine has
23. Multiple Network adapters
24. A network adapter which has IP forwarding enable
25. Routing is enabled on the Virtual Machine
- 26.
27. You create a route table and assign the table to SubnetA and SubnetB. The route table is shown below
- 28.
29. Address prefix – Next hop type – Next hop address
- 30.

31. 10.1.1.0/24 – Virtual appliance – 10.3.1.4
32. 10.2.1.0/24 – Virtual appliance – 10.3.1.4

Is it possible for Virtual Machine “skillcertlabsvmC” to make a network connection to “skillcertlabsvmA”?

A. Yes

B. No

Incorrect

So to communicate resource from VNet skillcertLabs-net1 to resource VNet skillcertLabs-net3, we need a peering connection which is missing in the case studies.

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-overview#route-network-traffic>

58. Question

View Case Study:

1. A company has an Azure Subscription. They have the following Networks defined

2.

3. Name – Address Space

4. skillcertlabs-net1 – 10.1.0.0/16

5. skillcertlabs-net2 – 10.2.0.0/16

6. skillcertlabs-net3 – 10.3.0.0/16

7.

8. The following subnets are defined

9.

10. Name – Address Space

11. SubnetA – 10.1.1.0/24

12. SubnetB – 10.2.1.0/24

13. SubnetC – 10.3.1.0/24

14.

15. The following Virtual Machines are defined

16.

17. Name – IP address – Subnet

18. skillcertlabsvmA – 10.1.1.4 – SubnetA

19. skillcertlabsvmB – 10.2.1.4 – SubnetB

20. skillcertlabsvmC – 10.3.1.4 – SubnetC

21.

22. skillcertlabsvmC is being used as a routing server. This machine has

23. Multiple Network adapters

24. A network adapter which has IP forwarding enable

25. Routing is enabled on the Virtual Machine
- 26.
27. You create a route table and assign the table to SubnetA and SubnetB. The route table is shown below
- 28.
29. Address prefix – Next hop type – Next hop address
- 30.
31. 10.1.1.0/24 – Virtual appliance – 10.3.1.4
32. 10.2.1.0/24 – Virtual appliance – 10.3.1.4

If the Virtual Machine “skillcertlabsvmC” is turned off, would “skillcertlabsvmA” be able to make a network connection to “skillcertlabsvmB”?

- A. Yes
- B. No

Correct

Now if the routing Virtual Machine in SubnetC goes down , since the next hop type is the routing machine for the other 2 subnets , traffic would not flow between the subnets.

For more information on network traffic routing, please visit the below URL

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-udr-overview>

59. Question

View Case Study:

1. A company has an Azure Subscription. They have the following Networks defined
- 2.
3. Name – Address Space
4. skillcertlabs-net1 – 10.1.0.0/16
5. skillcertlabs-net2 – 10.2.0.0/16
6. skillcertlabs-net3 – 10.3.0.0/16
- 7.
8. The following subnets are defined
- 9.
10. Name – Address Space
11. SubnetA – 10.1.1.0/24
12. SubnetB – 10.2.1.0/24
13. SubnetC – 10.3.1.0/24
- 14.
15. The following Virtual Machines are defined
- 16.

17. Name – IP address – Subnet
18. skillcertlabsvmA – 10.1.1.4 – SubnetA
19. skillcertlabsvmB – 10.2.1.4 – SubnetB
20. skillcertlabsvmC – 10.3.1.4 – SubnetC
- 21.
22. skillcertlabsvmC is being used as a routing server. This machine has
23. Multiple Network adapters
24. A network adapter which has IP forwarding enable
25. Routing is enabled on the Virtual Machine
- 26.
27. You create a route table and assign the table to SubnetA and SubnetB. The route table is shown below
- 28.
29. Address prefix – Next hop type – Next hop address
- 30.
31. 10.1.1.0/24 – Virtual appliance – 10.3.1.4
32. 10.2.1.0/24 – Virtual appliance – 10.3.1.4

Is it possible for Virtual Machine “skillcertlabsvmA” to make a network connection to “skillcertlabsvmB”?

A. Yes

B. No

Correct

Yes, the traffic would flow via the routing Virtual Machine in SubnetC

For more information on network traffic routing, please visit the below URL

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-udr-overview>

60. Question

Your company needs to migrate a Virtual Machine, skillcertlabs-vm, hosted in Amazon Web Services to Azure using Azure Site Recovery. The following resources have been created for the implementation

A Virtual Network in Azure

A Replication Policy

A Recovery Services vault

An Azure storage account

Which of the following steps would you carry out for the migration? Choose 3 answers from the options given below

A. Install Azure Site Recovery Unified Setup

B. Enable Windows Powershell remoting on skillcertlabs-vm

C. Enable replication for skillcertlabs-vm D. Create an Azure Migrate project E. Deploy another server in Amazon Web Services as the configuration server

Incorrect

The steps for the migration are provided in the Microsoft documentation

You need to first create a new server in Amazon Web Services as the configuration server. Next you have to download the Microsoft Azure Site Recovery Unified Setup.

And then finally you can implement replication

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on migrating a server on AWS to Azure, please visit the below URL

<https://docs.microsoft.com/en-us/azure/site-recovery/migrate-tutorial-aws-azure>

61. Question

A company currently has an Azure Web App hosted as part of the D1 App Service Plan. The Web app is currently experiencing a lot of traffic which is increasing the response times for various web pages. The company wants to enable autoscaling for the Web Application and also ensure costs are minimized.

Which of the following steps can be carried out for implementing this requirement? Choose 4 answers from the options given below

 A. Scale the Web app to use the Premium App Service Plan B. Configure a scale condition C. Scale the Web app to use the Standard App Service Plan D. Enable Autoscaling for the Web App E. Add a scale rule F. Ensure that the web app runs off the consumption plan

Correct

Currently the Web App is part of the D1 or Shared App Service plan which does not support Autoscaling.

So, the first step is to scale the App Service Plan to the Standard App Service Plan which supports Autoscaling.

Once this is in place, you can then go to the Scale out option and choose “Enable autoscale”

And then you define the following

The Autoscale setting name

The Condition

Add a rule for the Autoscale condition

Option A is incorrect since this option would be costlier than using the Basic App Service Plan

Option F is incorrect since you use consumption plans for Azure function Apps

For more information on scaling Azure Web Apps, please visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/autoscale-get-started>

62. Question

A company needs to host a service on a Windows Virtual Machine. The service needs to securely access the Azure Key Vault service.

You decide to implement “AlwaysOn Encryption” to ensure that the service can securely access the service Does this fulfil the requirement?

A. Yes

B. No

Correct

AlwaysOn Encryption is normally used to encrypt data in SQL Server database tables.

For more information on AlwaysOn Encryption, please visit the below URL

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-always-encrypted-azure-key-vault>

Note

In order to securely access key vault we need to assign access policies to Key Vault. Do refer the below links to know further.

<https://docs.microsoft.com/en-us/azure/key-vault/key-vault-whatis>

<https://docs.microsoft.com/en-us/azure/key-vault/key-vault-secure-your-key-vault>

63. Question

A company needs to host a service on a Windows Virtual Machine. The service needs to securely access the Azure Key Vault service.

You decide to implement “Managed Service Identity” to ensure that the service can securely access the service

Does this fulfil the requirement?

A. Yes

B. No

Correct

Using Managed Service Identities is the ideal approach to ensure secure access to services from Virtual Machines. The Microsoft documentation mentions the following

For more information on Managed service identities, please visit the below URL

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

64. Question

A company needs to host a service on a Windows Virtual Machine. The service needs to securely access the Azure Key Vault service.

You decide to implement “Storage Service Encryption” to ensure that the service can securely access the service

Does this fulfil the requirement?

A. Yes

B. No

Correct

Storage Service Encryption is normally used to encrypt data at rest for Azure Storage accounts

For more information on Storage Service Encryption, please visit the below URL

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

65. Question

A company has setup 3 storage accounts as shown below

Which of the following storage accounts can be used for Azure Table storage?

NAME	TYPE	KIND	RESOURCE GROUP	LOCATION	SUBSCRIPTION
skillcertlabstore1	Storage account	StorageV2	skillcertlabs-rg	UK South	Pay-As-You-Go
skillcertlabstore2	Storage account	Storage	skillcertlabs-rg	UK South	Pay-As-You-Go
skillcertlabstore3	Storage account	BlobStorage	skillcertlabs-rg	UK South	Pay-As-You-Go

A. skillcertlabstore1 only

B. skillcertlabstore2 only

C. skillcertlabstore3 only

D. skillcertlabstore1 and skillcertlabstore2 only

E. skillcertlabstore1 and skillcertlabstore3 only

F. skillcertlabstore2 and skillcertlabstore3 only

Incorrect

If you look at the supported service types for each storage account type as shown below, you can see that the Table service is only supported with General Purpose v1 and General Purpose v2

Since this is clearly given in the documentation, all other options are incorrect

For more information on storage accounts, please visit the below URL

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

66. Question

If you look at the supported service types for each storage account type as shown below, you can see that the Table service is only supported with General Purpose v1 and General Purpose v2

Since this is clearly given in the documentation, all other options are incorrect

For more information on storage accounts, please visit the below URL

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

- A. skillcertlabstore1 only
- B. skillcertlabstore2 only
- C. skillcertlabstore3 only
- D. skillcertlabstore1 and skillcertlabstore2 only
- E. skillcertlabstore1 and skillcertlabstore3 only
- F. All the storage accounts

Incorrect

As per the Microsoft documentation given below , all storage account types support BLOB storage

Since this is clearly given in the documentation, all other options are incorrect

For more information on storage accounts, please visit the below URL

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

67. Question

A company has deployed several resources to a resource group. The audit department needs to view the date and time when the resources were deployed to the resource group. From where they would be able to view information?

- A. From the Resource Group blade->Automation Script
- B. From the Resource Group blade->Properties
- C. From the Resource Group blade->Resource Providers
- D. From the Resource Group blade->Deployments

Correct

This can be viewed from the Deployments section of the Resource Group blade as shown below

Since this is clear from the implementation, all other options are incorrect

For more information on Resource Group deployments, please visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-template-deploy>

68. Question

A company is planning on creating a storage account called “skillcertlabstore”.

Below are the key requirements of the storage account

Ability to replicate data synchronously

Ability for data to remain available even is a data center goes down

Which of the following would you choose as the Account Kind?

- A. BLOB storage
- B. General Purpose V1
- C. General Purpose V2
- D. Function storage

Correct

To comply with the requirement of “Ability for data to remain available even is a data center goes down” and “Ability to replicate data synchronously”, you have to implement Zone-redundant storage (ZRS). And this is only available with General Purpose V2 storage account types. The Microsoft documentation mentions the following

Since this is clear from the implementation, all other options are incorrect

For more information on storage accounts, please visit the below URL

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

69. Question

A company is planning on creating a storage account called “skillcertlabstore”.

Below are the key requirements of the storage account

Ability to replicate data synchronously

Ability for data to remain available even is a data center goes down

Which of the following would you choose as the technique?

- A. Geo-redundant storage (GRS)
- B. Locally-redundant storage (LRS)
- C. Read-access geo-redundant storage (RA-GRS)
- D. Zone-redundant storage (ZRS)

Correct

To comply with the requirement of “Ability for data to remain available even if a data center goes down” and “Ability to replicate data synchronously”, you have to implement Zone-redundant storage (ZRS).

The Microsoft documentation mentions the following

Options A and C are incorrect since here the data is replicated asynchronously

Option B is incorrect since this technique will not safeguard in case of a data centre failure

For more information on storage redundancy, please visit the below URL

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

70. Question

Your company has deployed the following Virtual Machines in their Azure subscription

Virtual Machine Name Region

skillcertlabs-vm1 East US

skillcertlabs-vm2 East US

skillcertlabs-vm3 Central US

skillcertlabs-vm4 Central US

A recovery service vault has been created in the East US region to protect the virtual machines skillcertlabs-vm1 and skillcertlabs-vm2.

You now need to also ensure the virtual machines skillcertlabs-vm3 and skillcertlabs-vm4 are protected by Azure Recovery services. Which of the following would you need to do to achieve this?

- A. Create a new recovery services policy
- B. Create a new backup policy
- C. Create a new subscription
- D. Create a new Recovery Services vault

Correct

When you create a Recovery services vault, it is based off a particular region as shown below.

Since the virtual machines skillcertlabs-vm3 and skillcertlabs-vm4 are in a different region, you would need to create a new recovery services vault for that region

Options A and B are incorrect since policies are meant to determine how the protection or backup will take place.

Option C is incorrect since you don't need to create an entirely new subscription for this.

For more information on recovery services vault, please visit the below URL

<https://docs.microsoft.com/en-us/azure/backup/backup-azure-recovery-services-vault-overview>

Here's what Azure documentation mentions about location of vault creation – “Select the geographic region for the vault. To create a vault to protect virtual machines, the vault must be in the same region as

the virtual machines.”

<https://docs.microsoft.com/en-us/azure/backup/backup-create-rs-vault>

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