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SKILLCERTPRO

IT CERTIFICATION TRAININGS



Microsoft Azure / By SkillCertPro

Practice Set 2

Your results are here!! for " Microsoft Azure AZ-305 Practice Test 2 "

48 of 75 questions answered correctly

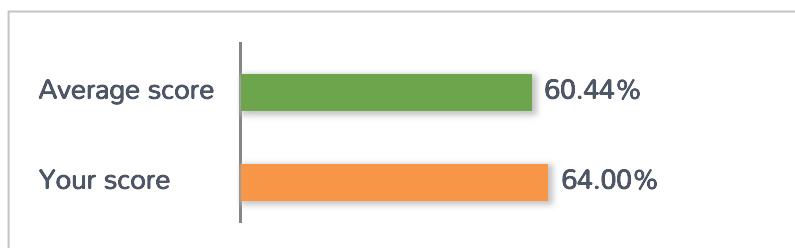
Your time: 01:01:21

Your Final Score is : 48

You have attempted : 75

Number of Correct Questions : 48 and scored 48

Number of Incorrect Questions : 27 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
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 Answered  Review

1. Question

A company has just setup an Azure subscription and an Azure AD tenant. The company wants to enforce the following requirements

Virtual Machines should only be created in specific regions

Only Virtual Machines of specific sizes can be created

Which of the following would you use for this requirement?

Conditional access policies

Azure Policies

Azure Resource Manager templates

Role-based access control (RBAC)

Correct

This can be done with the help of Azure Policies. The Microsoft documentation mentions the following

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

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

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

2. Question

A company has just setup an Azure subscription and an Azure tenant. They want to use the below features in Azure AD

Ability to provision and managed group-based access.

Allow Self-service password reset for cloud-based users

You need to decide on the most cost-efficient Azure AD pricing tier to use for the above requirements?

Which of the following could you use for the below requirement?

“Ability to provision and managed group-based access.”

Free

Basic

Premium P1 Premium P2

Correct

This feature is available with the Basic pricing tier for Azure AD

Option A is incorrect since it does not have the required feature

Options C and D are incorrect since these would not be cost effective options

For more information on the pricing options, please go to the below URL

<https://azure.microsoft.com/en-us/pricing/details/active-directory/>

3. Question

A company has just setup an Azure subscription and an Azure tenant. They want to use the below features in Azure AD

Ability to provision and managed group-based access.

Allow Self-service password reset for cloud-based users

You need to decide on the most cost-efficient Azure AD pricing tier to use for the above requirements?

Which of the following could you use for the below requirement?

“Allow Self-service password reset for cloud-based users”

 Free Basic Premium P1 Premium P2

Incorrect

This feature is available with the Basic pricing tier for Azure AD

Option A is incorrect since it does not have the required feature

Options C and D are incorrect since these would not be cost effective options

For more information on the pricing options, please go to the below URL

<https://azure.microsoft.com/en-us/pricing/details/active-directory/>

4. Question

A company has just setup an Azure subscription. They have offices located in Mumbai and Hyderabad.

They are now planning their network connectivity strategy. They have the following networks defined in Azure.

Virtual Network Name Address space Region

skillcertlab-network1 10.0.1.0/24 North Europe

skillcertlab-network2 10.0.2.0/24 West Europe

The networks have the following subnets defined

Subnet Name Virtual Network

SubnetA skillcertlab-network1

SubnetB skillcertlab-network2

The company has the following requirements when it comes to connectivity

The Virtual Machines hosted in SubnetA must only be accessible to clients located in the Mumbai office

IT administrators working on dedicated workstations must have access to the Virtual Machines in SubnetA over the Internet on a specific TCP/IP management port

The Azure Virtual Machines hosted in the skillcertlab-network1 must be able to communicate on all ports to Azure Virtual Machines hosted in skillcertlab-network2

Which of the following architecture would you recommend to ensure VM in SubnetA can be accessible to client located at Mumbai Office?

Virtual Network peering

Site-to-Site VPN

Network Security Groups

A new Virtual Network

Correct

A site-to-site VPN connection can be used to connect on-premise infrastructure onto Azure. Below is what is mentioned in the Microsoft documentation

Option A is incorrect since this is used to connect 2 Virtual Networks in Azure together.

Option C is incorrect since this is used to control traffic flowing into and out of Azure Virtual Machines

Option D is incorrect since this is not required

For more information on deploying a site-to-site VPN connection, please visit the below URL

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

5. Question

A company has just setup an Azure subscription. They have offices located in Mumbai and Hyderabad.

They are now planning their network connectivity strategy. They have the following networks defined in Azure.

Virtual Network Name Address space Region

skillcertlab-network1 10.0.1.0/24 North Europe

skillcertlab-network2 10.0.2.0/24 West Europe

The networks have the following subnets defined

Subnet Name Virtual Network

SubnetA skillcertlab-network1

SubnetB skillcertlab-network2

The company has the following requirements when it comes to connectivity

The Virtual Machines hosted in SubnetA must only be accessible to clients located in the Mumbai office

IT administrators working on dedicated workstations must have access to the Virtual Machines in SubnetA over the Internet on a specific TCP/IP management port

The Azure Virtual Machines hosted in the skillcertlab-network1 must be able to communicate on all ports to Azure Virtual Machines hosted in skillcertlab-network2

Which of the following would you use for this purpose?

Virtual Network peering

Site-to-Site VPN

Network Security Groups

A new Virtual Network

Incorrect

You can use Network Security Groups to define the traffic flow rules into and out of Virtual Machines.

Below is what is mentioned in the Microsoft documentation

Option A is incorrect since this is used to connect 2 Virtual Networks in Azure together.

Option B is incorrect since this is used to on-premise infrastructure to Azure Virtual Networks

Option D is incorrect since this is not required

For more information on network security , please visit the below URL

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

6. Question

A company has just setup an Azure subscription. They have offices located in Mumbai and Hyderabad.

They are now planning their network connectivity strategy. They have the following networks defined in Azure.

Virtual Network Name Address space Region

skillcertlab-network1 10.0.1.0/24 North Europe

skillcertlab-network2 10.0.2.0/24 West Europe

The networks have the following subnets defined

Subnet Name Virtual Network

SubnetA skillcertlab-network1

SubnetB skillcertlab-network2

The company has the following requirements when it comes to connectivity

The Virtual Machines hosted in SubnetA must only be accessible to clients located in the Mumbai office

IT administrators working on dedicated workstations must have access to the Virtual Machines in SubnetA

over the Internet on a specific TCP/IP management port

The Azure Virtual Machines hosted in the skillcertlab-network1 must be able to communicate on all ports to Azure Virtual Machines hosted in skillcertlab-network2

The Azure Virtual Machines hosted in the skillcertlab-network2 must be able to communicate on all ports to Azure Virtual Machines hosted in skillcertlab-network1.

Which of the following would you use for this purpose?

Virtual Network peering

Site-to-Site VPN

Network Security Groups

A new Virtual Network

Correct

Option B is incorrect since this is used to on-premise infrastructure to Azure Virtual Networks

Option C is incorrect since this is used to control traffic flowing into and out of Azure Virtual Machines

Option D is incorrect since this is not required

You can connect Virtual Networks together using Virtual Network Peering across regions. Below is what is mentioned in the Microsoft documentation

For more information on virtual network peering, please visit the below URL

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

7. Question

A company has multiple offices and an Azure subscription. The company wants to implement a data storage solution for their on-premise servers hosted in the various offices. The servers are hosted on Hyper-V.

The servers must be able to connect to a central storage device by using iSCSI connections

Data that is stored in the central device needs to be uploaded to Azure automatically

Minimize the maintenance of the solution

Which of the following would you look to implement for the offices?

Azure File Sync agent

Azure Site Recovery agent

Azure StorSimple Virtual Array

Distributed File System Replication

Incorrect

The StorSimple Virtual Array is a good solution for having hybrid cloud storage. Here on-premise devices can connect using iSCSI. And then data gets retained to Azure. The Microsoft documentation mentions the following

Option A is incorrect since Azure files shares are useful when devices need to connect using the SMB protocol.

Option B is incorrect since this is used for backup and recovery services along with Azure Site Recovery

Option D is incorrect since this would only be part of a solution. And it would also lead to high maintenance of the overall solution

For more information on Azure StorSimple Virtual Array, please visit the below URL

<https://docs.microsoft.com/en-us/azure/storsimple/storsimple-ova-overview>

8. Question

A company has multiple offices and an Azure subscription. The company wants to implement a data storage solution for their on-premise servers hosted in the various offices. The servers are hosted on Hyper-V.

The servers must be able to connect to a central storage device by using iSCSI connections

Data that is stored in the central device needs to be uploaded to Azure automatically

Minimize the maintenance of the solution

Based on the tool being used, which of the following would you plan to setup in Azure?

Azure File share

Azure File Sync

Azure Site Recovery vault

Azure Storage account

Incorrect

When you look at the pre-requisites for the setup of StorSimple Virtual Array, you can see that you need to also have a storage account in place. This is also given in the Microsoft documentation

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

For more information on deploying StorSimple Virtual Array, please visit the below URL

<https://docs.microsoft.com/en-us/azure/storsimple/storsimple-virtual-array-deploy1-portal-prep>

9. Question

A company has setup a set of Virtual Machines in a network in Azure. They have connected the Virtual Network to their on-premise network using ExpressRoute. There is an issue with an application hosted on the Virtual Machines in the network. A team needs to inspect the packets flowing into the Virtual Machines.

The company decides to use Azure Advisor for the packet analysis

Would this fulfil the requirement?

Yes

No

Correct

Azure Advisor is a recommendations-based tool and can't be used to perform the packet analysis.

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

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

10. Question

A company has setup a set of Virtual Machines in a network in Azure. They have connected the Virtual Network to their on-premise network using ExpressRoute. There is an issue with an application hosted on the Virtual Machines in the network. A team needs to inspect the packets flowing into the Virtual Machines.

The company decides to use Azure Traffic Analytics for the packet analysis

Would this fulfil the requirement?

Yes

No

Correct

Azure Traffic Analytics is used for traffic monitoring but does not provide a deep dive and capture network packets

The Microsoft documentation mentions the following

For more information on Traffic Analysis, please visit the below URL

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

11. Question

A company has setup a set of Virtual Machines in a network in Azure. They have connected the Virtual Network to their on-premise network using ExpressRoute. There is an issue with an application hosted on the Virtual Machines in the network. A team needs to inspect the packets flowing into the Virtual Machines.

The company decides to use Azure Traffic Manager for the packet analysis

Would this fulfil the requirement?

Yes

No**Incorrect**

Azure Traffic Manager is a DNS based load balancing tool and can't be used for the purpose of network capture.

For more information on Azure Traffic Manager, please visit the below URL

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

12. Question

A company has setup an Azure subscription and account. They want to provision the following resources in Azure

A virtual network with a set of virtual machines

A Cosmos DB account

An Azure Web App instance

The company wants to set the right roles for different groups to manage the Cosmos DB account. Below are the required permission requirements

Group Permission

cosmosdb_grp1 Should be able to provision Cosmos DB accounts, but can't access the keys required to access the data

cosmosdb_grp2 Should be able to read the data in a Cosmos DB account

cosmosdb_grp3 Should be able to submit a request to restore a Cosmos DB database

You have to advise on the right role-based access to provide to each group based on least privilege.

Which of the following would you assign to cosmosdb_grp1?

- DocumentDB Accounts Contributor
- Cosmos DB Account Reader
- Cosmos DB Backup Operator
- Cosmos DB Operator

Correct

The right role for this is the Cosmos DB Operator

The Microsoft documentation mentions the following

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

For more information on role-based access for CosmosDB, please go ahead and visit the below URL

<https://docs.microsoft.com/en-us/azure/cosmos-db/role-based-access-control>

13. Question

A company has setup an Azure subscription and account. They want to provision the following resources in Azure

A virtual network with a set of virtual machines

A Cosmos DB account

An Azure Web App instance

The company wants to set the right roles for different groups to manage the Cosmos DB account. Below are the required permission requirements

Group Permission

cosmosdb_grp1 Should be able to provision Cosmos DB accounts, but can't access the keys required to access the data

cosmosdb_grp2 Should be able to read the data in a Cosmos DB account

cosmosdb_grp3 Should be able to submit a request to restore a Cosmos DB database

You have to advise on the right role-based access to provide to each group based on least privilege.

Which of the following would you assign to cosmosdb_grp2?

- DocumentDB Accounts Contributor
- Cosmos DB Account Reader**
- Cosmos DB Backup Operator
- Cosmos DB Operator

Correct

The right role for this is the Cosmos DB Account Reader

The Microsoft documentation mentions the following

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

For more information on role-based access for CosmosDB, please go ahead and visit the below URL

<https://docs.microsoft.com/en-us/azure/cosmos-db/role-based-access-control>

14. Question

A company has setup an Azure subscription and account. They want to provision the following resources in Azure

A virtual network with a set of virtual machines

A Cosmos DB account

An Azure Web App instance

The company wants to set the right roles for different groups to manage the Cosmos DB account. Below are the required permission requirements

Group Permission

cosmosdb_grp1 Should be able to provision Cosmos DB accounts, but can't access the keys required to access the data

cosmosdb_grp2 Should be able to read the data in a Cosmos DB account

cosmosdb_grp3 Should be able to submit a request to restore a Cosmos DB database

You have to advise on the right role-based access to provide to each group based on least privilege.

Which of the following would you assign to cosmosdb_grp3?

DocumentDB Accounts Contributor

Cosmos DB Account Reader

Cosmos DB Backup Operator

Cosmos DB Operator

Incorrect

The right role for this is the Cosmos DB Backup Operator

The Microsoft documentation mentions the following

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

For more information on role-based access for CosmosDB, please go ahead and visit the below URL

<https://docs.microsoft.com/en-us/azure/cosmos-db/role-based-access-control>

15. Question

A company has setup an Azure subscription and an Azure tenant named skillcertlab.onmicrosoft.com. They already have an on-premise data center and many applications running as part of their infrastructure. They have users who authenticate from various client types and version. The company wants to ensure that all access from legacy clients such as Office 2010 are blocked from accessing any resources in their subscription.

They decide to make use of Azure Policies.

Would this fulfil the requirement?

Yes

No

Incorrect

Azure Policies are used mostly from a governance perspective and can't be used to block authentication access.

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

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

16. Question

A company has setup an Azure subscription and an Azure tenant named skillcertlab.onmicrosoft.com. They already have an on-premise data center and many applications running as part of their infrastructure. They have users who authenticate from various client types and version. The company wants to ensure that all access from legacy clients such as Office 2010 are blocked from accessing any resources in their subscription.

They decide to make use of Azure Advisor

Would this fulfil the requirement?

Yes

No

Correct

Azure Advisor is used as a recommendation's engine. This service can be used to provide security and performance recommendations. It can't be used to block authentication access.

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

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

17. Question

A company has setup an Azure subscription and an Azure tenant named skillcertlab.onmicrosoft.com. They already have an on-premise data center and many applications running as part of their infrastructure. They have users who authenticate from various client types and version. The company wants to ensure that all access from legacy clients such as Office 2010 are blocked from accessing any resources in their subscription.

They decide to make use of in-built Conditional access policies.

Would this fulfil the requirement?

Yes

No

Incorrect

You can use Conditional Access policies to use conditions to block authentication requests. There is an in-built policy available for this. The Microsoft documentation mentions the following

For more information on the details of this policy, please visit the below URL

<https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/howto-baseline-protect-legacy-auth>

18. Question

A company has setup an Azure subscription and an Azure tenant. They have purchased Premium P2 licences. There are different departments that have different requirements for managing identities.

Department	Requirement
Procurement	Get notifications whenever roles are activated Provide just in time access to Azure resources
Human Resources	Ability to conduct access reviews
Logistics	Ensure Applications hosted on the virtual machines can safely access the Azure Key vault service

Which of the following would you suggest for the Procurement department?

- Managed Service Identity
- Identity Protection
- Privileged Identity Management
- Azure AD Connect

Incorrect

This is clearly given in the Microsoft documentation wherein the Privileged Identity Management feature would fulfil these requirements

Since this is clearly mentioned, all other options are incorrect

For more information on privileged identity management, please visit the below URL

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

19. Question

A company has setup an Azure subscription and an Azure tenant. They have purchased Premium P2 licences. There are different departments that have different requirements for managing identities.

Department	Requirement
Procurement	Get notifications whenever roles are activated Provide just in time access to Azure resources
Human Resources	Ability to conduct access reviews
Logistics	Ensure Applications hosted on the virtual machines can safely access the Azure Key vault service

Which of the following would you suggest for the Human Resources department?

- Managed Service Identity
- Identity Protection
- Privileged Identity Management
- Azure AD Connect

Correct

This is clearly given in the Microsoft documentation wherein the Privileged Identity Management feature would fulfil this requirement

Since this is clearly mentioned, all other options are incorrect

For more information on privileged identity management, please visit the below URL

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

20. Question

A company has setup an Azure subscription and an Azure tenant. They have purchased Premium P2 licences. There are different departments that have different requirements for managing identities.

Department	Requirement
Procurement	Get notifications whenever roles are activated Provide just in time access to Azure resources
Human Resources	Ability to conduct access reviews
Logistics	Ensure Applications hosted on the virtual machines can safely access the Azure Key vault service

Which of the following would you suggest for the Logistics department?

Managed Service Identity

Identity Protection

Privileged Identity Management

Azure AD Connect

Correct

This is clearly given in the Microsoft documentation.

What is managed identities for Azure resources?

10/23/2018 • 8 minutes to read • Contributors  all

Managed identities for Azure resources is a feature of Azure Active Directory. Each of the Azure services that support managed identities for Azure resources are subject to their own timeline. Make sure you review the [availability](#) status of managed identities for your resource and known issues before you begin.

A common challenge when building cloud applications is how to manage the credentials in your code for authenticating to cloud services. Keeping the credentials secure is an important task. Ideally, the credentials never appear on developer workstations and aren't checked into source control. Azure Key Vault provides a way to securely store credentials, secrets, and other keys, but your code has to authenticate to Key Vault to retrieve them.

The managed identities for Azure resources feature in Azure Active Directory (Azure AD) solves this problem. The feature provides Azure services with an automatically managed identity in Azure AD. You can use the identity to authenticate to any service that supports Azure AD authentication, including Key Vault, without any credentials in your code.

Since this is clearly mentioned, all other options are incorrect

For more information on Managed Service Identity, please visit the below URL

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

21. Question

A company has setup an Azure subscription and an Azure tenant. You need to provide the development team to be able to start and stop Virtual Machines. The access needs to be granted on specific occasions only.

You need to ensure the permission gets assigned and use the principle of least privilege. You also need to minimize costs.

Which of the following security feature would you use for the requirement?

- Conditional Access policy
- Azure Policies
- Just in time VM access
- Privileged Identity Management

Incorrect

With Privileged Identity Management, you can implement just in time privileges for Azure resources.

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

For more information on Privileged Identity Management, please go ahead and visit the below URL

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

22. Question

A company has setup an Azure subscription and an Azure tenant. You need to provide the development team to be able to start and stop Virtual Machines. The access needs to be granted on specific occasions only.

You need to ensure the permission gets assigned and use the principle of least privilege. You also need to minimize costs.

Which of the following would you use for the Azure AD license?

- Free
- Basic
- Premium P1
- Premium P2

Incorrect

For this requirement, we need to use Privileged Identity Management and for this we need to have Premium P2 licences.

Because of the license requirements mentioned in the documentation, the other options are incorrect

For more information on Privileged Identity Management, please go ahead and visit the below URL
<https://docs.microsoft.com/en-us/azure/active-directory/privileged-identity-management/pim-configure>

23. Question

A company has setup an Azure subscription and deployed a set of Virtual Machines to the subscription. They want to enable replication for Azure Virtual Machine and for machines located in their on-premise network.

The company has defined the following groups in their Azure AD tenant along with the required relevant permission description

Name Permissions required

skillcertlabgrpA Create recovery service vault

skillcertlabgrpB Create and manage replication jobs

skillcertlabgrpC Perform failovers

As an architect you need to assign the right role to each group. You have to ensure that you don't assign more permissions than what is required.

Which role should be given to the group skillcertlabgrpA?

Owner

Contributor

Site Recovery Contributor

Site Recovery Operator

Incorrect

Both the Site Recovery Contributor and the Operator don't have the privilege to create a recovery services vault, so you will need to choose the Contributor role.

Option A is incorrect since this role would give elevated permissions which are not required

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

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

24. Question

A company has setup an Azure subscription and deployed a set of Virtual Machines to the subscription. They want to enable replication for Azure Virtual Machine and for machines located in their on-premise network.

The company has defined the following groups in their Azure AD tenant along with the required relevant permission description

Name Permissions required

skillcertlabgrpA Create recovery service vault

skillcertlabgrpB Create and manage replication jobs

skillcertlabgrpC Perform failovers

As an architect you need to assign the right role to each group. You have to ensure that you don't assign more permissions than what is required.

Which role should be given to the group skillcertlabgrpB?

- Owner
- Contributor
- Site Recovery Contributor
- Site Recovery Operator

Correct

The Site Recovery Contributor has the required privilege for this. The permissions for the role are mentioned in the Microsoft documentation.

Options A and B are incorrect since these roles would give elevated permissions which are not required

Option D is incorrect since this role does not have the required privilege

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

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

25. Question

A company has setup an Azure subscription and deployed a set of Virtual Machines to the subscription.

They want to enable replication for Azure Virtual Machine and for machines located in their on-premise network.

The company has defined the following groups in their Azure AD tenant along with the required relevant permission description

Name Permissions required

skillcertlabgrpA Create recovery service vault

skillcertlabgrpB Create and manage replication jobs

skillcertlabgrpC Perform failovers

As an architect you need to assign the right role to each group. You have to ensure that you don't assign more permissions than what is required.

Which role should be given to the group skillcertlabgrpC?

- Owner
- Contributor
- Site Recovery Contributor
- Site Recovery Operator

Incorrect

The Site Recovery operator has the required privilege for this. The permissions for the role are mentioned in the Microsoft documentation.

All other roles would give elevated permissions which are not required.

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

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

26. Question

A company has setup an Azure subscription. They also have an on-premise data center. They have both Windows and Linux virtual machines located in their on-premise datacenter and on Azure. They wanted to design their logging solution in such a way

Requirement1 – Collect IIS logs from the Windows virtual machines located in Azure and send them across to Azure Storage

Requirement2 -Collect metrics from the on-premise Windows virtual machines

Requirement3 -Collect metrics from the on-premise Linux virtual machines

Which of the following could be used for Requirement1?

- Log Analytics Agent
- Azure Diagnostics Agent
- Network Watcher
- Application Insights

Correct

This can be accomplished with the help of the Azure Diagnostics Agent

The Microsoft documentation mentions the following

Option A is incorrect because this is used to send logs to a Log Analytics Workspace

Option C is incorrect because this is used to diagnose network issues

Option D is incorrect because this used to debug application related issues

For more information on Azure Diagnostics agent, please visit the below URL

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

27. Question

A company has setup an Azure subscription. They also have an on-premise data center. They have both Windows and Linux virtual machines located in their on-premise datacenter and on Azure. They wanted to design their logging solution in such a way

Requirement1 – Collect IIS logs from the Windows virtual machines located in Azure and send them across to Azure Storage

Requirement2 -Collect metrics from the on-premise Windows virtual machines

Requirement3 -Collect metrics from the on-premise Linux virtual machines

Which of the following could be used for Requirement2?

Log Analytics Agent

Azure Diagnostics Agent

Network Watcher

Application Insights

Correct

You can use the Log Analytics agent to collect data from an on-premise machine.

The Microsoft documentation mentions the following

Option B is incorrect because this is used for Azure based virtual machines

Option C is incorrect because this is used to diagnose network issues

Option D is incorrect because this used to debug application related issues

For more information on Azure Diagnostics agent, please visit the below URL

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

28. Question

A company has setup an Azure subscription. They also have an on-premise data center. They have both Windows and Linux virtual machines located in their on-premise datacenter and on Azure. They wanted to design their logging solution in such a way

Requirement1 – Collect IIS logs from the Windows virtual machines located in Azure and send them across to Azure Storage

Requirement2 -Collect metrics from the on-premise Windows virtual machines

Requirement3 -Collect metrics from the on-premise Linux virtual machines

Which of the following could be used for Requirement3?

Log Analytics Agent

Azure Diagnostics Agent

Network Watcher

Application Insights

Correct

You can use the Log Analytics agent to collect data from an on-premise machine.

The Microsoft documentation mentions the following

Option B is incorrect because this is used for Azure based virtual machines

Option C is incorrect because this is used to diagnose network issues

Option D is incorrect because this used to debug application related issues

For more information on Azure Diagnostics agent, please visit the below URL

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

29. Question

A company has setup the following resources in Azure

An Azure Web App:

App Service

Search (Ctrl+ /)

Browse Stop Swap Restart Delete Get publish profile Reset publish profile

Overview (change)
testing

Status: Running
Location: Central US
Subscription (change): Free Trial
Subscription ID: 63c1acab-a627-4253-8b61-6b003af41ef6
Tags (change): Click here to add tags

Activity log Access control (IAM) Tags Diagnose and solve problems Security Deployment Quickstart Deployment slots

An Azure SQL Database:

SQL database

Search (Ctrl+ /)

Copy Restore Export Set server firewall Delete Connect with... Feedback

Overview (change)
testing

Status: Online
Location: UK South
Subscription (change): Free Trial
Subscription ID: 63c1acab-a627-4253-8b61-6b003af41ef6
Tags (change): Click here to add tags

Activity log Tags Diagnose and solve problems Quick start Query editor (preview) Settings Configure

Server name: whizlabsrv.database.windows.net
Elastic pool: No elastic pool
Connection strings: Show database connection strings
Pricing tier: Basic
Oldest restore point: No restore point available

The web app will host a web application that would connect to the Azure SQL database server

Which of the following could be done before hand to improve the performance of the web application?

- Create an elastic pool for the database
- Create a deployment slot for the web app
- Collocate the Azure Web App and the Azure SQL database
- Change the App service plan

Incorrect

By having the resources in the same region, you can improve upon latency and costs. If you look at the deployment of the resources, you can see that the Azure web app is deployed to the Central US region

and the database is deployed to the UK South region.

This is also given as a recommendation in the Microsoft documentation

Option B is incorrect since this is used if you want to have a side by side deployment of different versions of your web application

Options A and D are incorrect since we don't know the exact load on the Azure Web App or the database, changing the App Service plan or adding an elastic pool may not be the ideal option at this point in time.

For more information on best practices for the Azure Web App service, please go to the below URL

<https://docs.microsoft.com/en-us/azure/app-service/app-service-best-practices>

30. Question

A company has setup the following resources in Azure

An Azure Web App:

The screenshot shows the Azure App Service Overview page. The left sidebar lists options: Overview (selected), Activity log, Access control (IAM), Tags, Diagnose and solve problems, Security, Deployment, Quickstart, and Deployment slots. The main content area displays the following details:

- Resource group: testing (change)
- Status: Running
- Location: Central US
- Subscription: Free Trial
- Subscription ID: 63c1acab-a627-4253-8b61-6b003af41ef6
- Tags: Click here to add tags

An Azure SQL Database:

The screenshot shows the Azure SQL database Overview page. The left sidebar lists options: Overview (selected), Activity log, Tags, Diagnose and solve problems, Quick start, Query editor (preview), Settings, and Configure. The main content area displays the following details:

Resource group (change) testing	Server name whizlabsrv.database.windows.net
Status Online	Elastic pool No elastic pool
Location UK South	Connection strings Show database connection strings
Subscription (change) Free Trial	Pricing tier Basic
Subscription ID 63c1acab-a627-4253-8b61-6b003af41ef6	Oldest restore point No restore point available
Tags (change) Click here to add tags	

The web app will host a web application that would connect to the Azure SQL database server

You need to enable autoscaling for the web application. Which of the following must you do to achieve this?

- Change the Properties of the Web App

Change the Configuration of the Web App

Scale Up the App Service Plan

Scale out the App Service Plan

Incorrect

Autoscaling is available as part of the Standard App Service Plan. Currently the Azure Web App is part of the Basic App Service Plan. Hence, we first need to scale out the App Service Plan as shown below

Since this is the approach, all other options are incorrect

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

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

31. Question

A company has setup the following resources in Azure

An Azure Web App:

App Service

Search (Ctrl+ /)

Browse Stop Swap Restart Delete Get publish profile Reset publish profile

Overview (change)
testing

Status: Running
Location: Central US
Subscription (change): Free Trial
Subscription ID: 63c1acab-a627-4253-8b61-6b003af41ef6
Tags (change): Click here to add tags

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Security
- Deployment
- Quickstart
- Deployment slots

An Azure SQL Database:

SQL database

Copy Restore Export Set server firewall Delete Connect with... Feedback

Overview (change)
testing

Status: Online
Location: UK South
Subscription (change): Free Trial
Subscription ID: 63c1acab-a627-4253-8b61-6b003af41ef6
Tags (change): Click here to add tags

Server name: whizlabsrv.database.windows.net
Elastic pool: No elastic pool
Connection strings: Show database connection strings
Pricing tier: Basic
Oldest restore point: No restore point available

- Activity log
- Tags
- Diagnose and solve problems
- Quick start
- Query editor (preview)
- Settings
- Configure

The web app will host a web application that would connect to the Azure SQL database server

You need to enable the collection of stats from the Azure SQL database such as “DatabaseWaitStatistics”

and any “Timeouts”.

Where could you configure this in the Azure SQL database instance?

Advanced Data Security

Diagnostics Settings

Resource Health

Alerts

Correct

You can enable this in the diagnostics settings as shown below

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

For more information on Azure SQL database metrics and logging, please go to the below URL

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-metrics-diag-logging>

32. Question

A company has the following on-premise data stores

A Microsoft SQL Server 2012 database

A Microsoft SQL Server 2008 database

The data needs to be migrated to Azure.

Requirement 1 – The data in the Microsoft SQL Server 2012 database needs to be migrated to an Azure SQL database

Requirement 2 – The data in a table in the Microsoft SQL Server 2008 database needs to be migrated to an Azure CosmosDB account that uses the SQL API

Which of the following should be used to accomplish Requirement2?

AzCopy

Azure CosmosDB Data Migration tool

Data Management Gateway

Data Migration Assistant

Correct

This tool can be used for migrating data onto CosmosDB. The Microsoft documentation mentions the following

Option A is incorrect since this works with data in Azure storage accounts

Option C is incorrect since this is used for building a gateway with the on-premise infrastructure

Option D is incorrect since this tool does not have support for CosmosDB

For more information on importing data into CosmosDB, please visit the below URL

<https://docs.microsoft.com/en-us/azure/cosmos-db/import-data>

33. Question

A company has the following on-premise data stores

A Microsoft SQL Server 2012 database

A Microsoft SQL Server 2008 database

The data needs to be migrated to Azure.

Requirement 1 – The data in the Microsoft SQL Server 2012 database needs to be migrated to an Azure SQL database

Requirement 2 – The data in a table in the Microsoft SQL Server 2008 database needs to be migrated to an Azure CosmosDB account that uses the SQL API

Which of the following should be used to accomplish Requirement1?

- AzCopy
- Azure CosmosDB Data Migration tool
- Data Management Gateway
- Data Migration Assistant

Correct

The Data Migration assistant can be used to migrate the data. It has support for various versions of Microsoft SQL Server as shown below

Option A is incorrect since this works with data in Azure storage accounts

Option B is incorrect since this is used for migration of data to CosmosDB

Option C is incorrect since this is used for building a gateway with the on-premise infrastructure

For more information on the data migration assistant, please visit the below URL

<https://docs.microsoft.com/en-us/sql/dma/dma-overview?view=sql-server-2017>

34. Question

A company has the requirement to have an automated process in place which would upload logs to an Azure SQL database every week. Reports would then be generated from the SQL database. Which of the following would you use for this requirement?

- The AzCopy tool
- Azure Data Factory
- Azure HDInsight

Data Migration Assistant**Correct**

You can use the Azure Data Factory to create a pipeline that can be used to copy data. Below is an excerpt from the Microsoft documentation on the connector for SQL server.

Option A is incorrect since this is used for copying data from Azure storage accounts to on-premise and vice versa

Option C is incorrect since this is used to run Big data open source frameworks

Option D is incorrect since this is used to migrate data between SQL servers.

For more information on Azure Data Factory connector for SQL, please visit the below URL

<https://docs.microsoft.com/en-us/azure/data-factory/connector-sql-server>

35. Question

A company is developing an application that will be hosted using the Azure Kubernetes Service. The application modules need to transmit files to a destination location and must make use of an encryption key for the encryption of the files before transmission. Which of the following will be used for managing the storage of the encryption keys?

 Secrets in Azure Key Vault Azure Storage Service Encryption A Kubernetes deployment YAML file A ConfigureMap service**Incorrect**

The Microsoft documentation clearly mentions how you should manage applications that make use of secrets or encryption keys.

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

For more information on Azure Kubernetes security aspects, please go ahead and visit the below URL

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

36. Question

A company is developing an application that will consist of different modules. The different modules need to communicate asynchronously with each other. Which of the following is the ideal service to use for this requirement?

 Azure Table storage Azure Notification Hubs

Azure Blob storage Azure Queue storage**Incorrect**

Azure Queue Storage is the perfect solution for decoupling components of an application. The Microsoft documentation mentions the following on Azure Queue storage

Option A is incorrect because this is ideal for table storage

Option B is incorrect because this is a notification service

Option C is incorrect because this is ideal for object level storage

For more information on Azure queue storage, please go ahead and visit the below URL

<https://azure.microsoft.com/en-us/services/storage/queues/>

37. 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?

 Azure Event Grid Azure Event Hub Azure HDInsight 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>

38. Question

A company is going to be deploying an Azure SQL Database instance to the Central US region. They have the following requirements when it comes to the security for the database instance

Only select workstations with static Public IP addresses should be allowed to connect and perform administration on the database

An Application hosted in a Virtual Network on a Virtual machine would need to interact with the Azure SQL database

A function is implemented which hides the Social Security Numbers column in the Person table in the database

Which of the following would be best suited to fulfil the requirement?

“Only select workstations with static Public IP addresses should be allowed to connect and perform administration on the database”

- Azure Network Watcher
- Server Level IP Firewall rules
- Network Security Groups
- Application Security Groups

Correct

You can use as shown in the Microsoft documentation below

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

For more information on configuring the firewall for Azure SQL database, please visit the below URL

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

39. Question

A company is going to be deploying an Azure SQL Database instance to the Central US region. They have the following requirements when it comes to the security for the database instance

Only select workstations with static Public IP addresses should be allowed to connect and perform administration on the database

An Application hosted in a Virtual Network on a Virtual machine would need to interact with the Azure SQL database

A function is implemented which hides the Social Security Numbers column in the Person table in the database

Which of the following would be best suited to fulfil the requirement?

“An Application hosted in a Virtual Network on a Virtual machine would need to interact with the Azure SQL database securely”

- Azure Network Watcher
- Server Level IP Firewall rules
- Virtual Network Service Endpoints

- Virtual Network peering

Correct

By using Virtual Network Service Endpoints, you can ensure that traffic from the Virtual Network can reach the Azure SQL database via the Azure Backbone network. The Microsoft documentation mentions the following

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

For more information on virtual network service endpoints, please visit the below URL

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

40. Question

A company is going to be deploying an Azure SQL Database instance to the Central US region. They have the following requirements when it comes to the security for the database instance

Only select workstations with static Public IP addresses should be allowed to connect and perform administration on the database

An Application hosted in a Virtual Network on a Virtual machine would need to interact with the Azure SQL database

A function is implemented which hides the Social Security Numbers column in the Person table in the database

Which of the following would be best suited to fulfil the requirement?

“A function is implemented which hides the Social Security Numbers column in the Person table in the database”

- Server Level IP firewall
- Dynamic Data masking
- Azure AD Authentication
- Managed Service Identity

Correct

This can be managed by using Dynamic Data masking. The Microsoft documentation mentions the following

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

For more information on dynamic data masking in SQL database, please visit the below URL

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-dynamic-data-masking-get-started>

41. Question

A company is planning on deploying a stateless based application based on microservices using the Azure Service Fabric service. You need to design the infrastructure that would be required in the Azure Service

Fabric service. Which of the following should you consider? Choose 2 answers from the applications given below

The number of node types in the cluster

The properties for each node type

The network connectivity

The service tier

Incorrect

The Microsoft documentation specifies what are the Service Fabric cluster capacity planning considerations

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

For more information on the cluster capacity for Azure Service Fabric, please go ahead and visit the below URL

<https://docs.microsoft.com/en-us/azure/service-fabric/service-fabric-cluster-capacity>

42. Question

A company is planning on deploying an application onto a set of virtual machines. They are going to spin it up as part of a virtual machine scale set



- Operating System disk image – Windows Server 2016
- Availability Zone – None
- Instance count – 2
- Instance Size – Standard DS1 v2
- Load Balancing Options – None
- Autoscale - Enabled

Below are the key requirements of the application

Scale Instances based on CPU threshold going beyond 60%

Provide redundancy if the primary Azure region goes down

Distribute incoming user traffic

Does this architecture support the scaling requirement?

Yes

No

Correct

Since this is part of a scale set, it would scale based on demand. You just need to ensure the right scaling rules are placed as part of the scale set.

The Microsoft documentation mentions the following

For more information on virtual machine scale sets, please visit the below URL

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/overview>

43. Question

A company is planning on deploying an application onto a set of virtual machines. They are going to spin it up as part of a virtual machine scale set



- Operating System disk image – Windows Server 2016
- Availability Zone – None
- Instance count – 2
- Instance Size – Standard DS1 v2
- Load Balancing Options – None
- Autoscale - Enabled

Below are the key requirements of the application

Scale Instances based on CPU threshold going beyond 60%

Provide redundancy if the primary Azure region goes down

Distribute incoming user traffic

Does this architecture support the redundancy requirement?

Yes

No

Incorrect

The virtual machine scale sets can only provide the scaling feature and not redundancy. You can use the Traffic Manager service to provide redundancy by routing traffic to a secondary location.

For more information on the Azure Traffic Manager service, please visit the below URL

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

44. Question

A company is planning on deploying an application onto a set of virtual machines. They are going to spin it up as part of a virtual machine scale set



- Operating System disk image – Windows Server 2016
- Availability Zone – None
- Instance count – 2
- Instance Size – Standard DS1 v2
- Load Balancing Options – None
- Autoscale - Enabled

Below are the key requirements of the application

Scale Instances based on CPU threshold going beyond 60%

Provide redundancy if the primary Azure region goes down

Distribute incoming user traffic

Does this architecture support the traffic distribution requirement?

Yes

No

Correct

Since there is no Load balancer or Application Gateway placed in front of the scale set, traffic distribution is not possible with this setup.

For more information on virtual machine scale sets, please visit the below URL

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/overview>

45. Question

A company is planning on deploying an application onto Azure. The application will be based on the .Net core programming language. The application would be hosted using Azure Web apps. Below is part of the various requirements for the application

Give the ability to correlate Azure resource usage and the performance data with the actual application configuration and performance data

Give the ability to visualize the relationships between application components

Give the ability to track requests and exceptions to specific lines of code from within the application

Give the ability to actually analyse how users return to an application and see how often they only select a particular drop-down value

Which of the following service would be best suited for fulfilling the requirement of

“Give the ability to correlate Azure resource usage and the performance data with the actual application configuration and performance data”

Azure Application Insights

Azure Service Map

Azure Log Analytics Azure Activity Log**Incorrect**

You can send data about the application and resource usage to Azure Log Analytics. You can then build queries on the stored data.

For more information on Azure Log Analytics, please go ahead and visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/learn/tutorial-viewdata>

46. Question

A company is planning on deploying an application onto Azure. The application will be based on the .Net core programming language. The application would be hosted using Azure Web apps. Below is part of the various requirements for the application

Give the ability to correlate Azure resource usage and the performance data with the actual application configuration and performance data

Give the ability to visualize the relationships between application components

Give the ability to track requests and exceptions to specific lines of code from within the application

Give the ability to actually analyse how users return to an application and see how often they only select a particular drop-down value

Which of the following service would be best suited for fulfilling the requirement of

“Give the ability to visualize the relationships between application components”

 Azure Application Insights Azure Service Map Azure Log Analytics Azure Activity Log**Incorrect**

This feature is part of the Application Insights tool. An example of this is given in the Microsoft documentation

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

For more information on Application map, please visit the below URL

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

47. Question

A company is planning on deploying an application onto Azure. The application will be based on the .Net core programming language. The application would be hosted using Azure Web apps. Below is part of the

various requirements for the application

Give the ability to correlate Azure resource usage and the performance data with the actual application configuration and performance data

Give the ability to visualize the relationships between application components

Give the ability to track requests and exceptions to specific lines of code from within the application

Give the ability to actually analyse how uses return to an application and see how often they only select a particular drop-down value

Which of the following service would be best suited for fulfilling the requirement of

“Give the ability to track requests and exceptions to specific lines of code from within the application”

Azure Application Insights

Azure Service Map

Azure Log Analytics

Azure Activity Log

Correct

This feature is part of the Application Insights tool. An example of this is given in the Microsoft documentation

You can use the CodeLens feature in Application Insights to get a deep dive look into exceptions at the code level. An example from the Microsoft documentation is given below

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

For more information on the CodeLens feature, please visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/visual-studio-codelens>

48. Question

A company is planning on deploying an application onto Azure. The application will be based on the .Net core programming language. The application would be hosted using Azure Web apps. Below is part of the various requirements for the application

Give the ability to correlate Azure resource usage and the performance data with the actual application configuration and performance data

Give the ability to visualize the relationships between application components

Give the ability to track requests and exceptions to specific lines of code from within the application

Give the ability to actually analyse how uses return to an application and see how often they only select a particular drop-down value

Which of the following service would be best suited for fulfilling the requirement of

“Give the ability to actually analyse how uses return to an application and see how often they only select a particular drop-down value”

Azure Application Insights

- Azure Service Map
- Azure Log Analytics
- Azure Activity Log

Correct

This feature is part of the Application Insights tool. An example of this is given in the Microsoft documentation

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

For more information on the retention feature of Application Insights, please visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/usage-retention>

49. Question

A company is planning on deploying an application onto Azure. The application will be based on the .Net core programming language. The application would be hosted using Azure Web apps. Below is part of the various requirements for the application

Gives the ability for the testing team to view the different components of an application and see the calls being made between the different application components

Helps business analyse how many users actually return to the application

Ensuring IT administrators get alerts based on critical conditions being met in the application

Which of the following service would be best suited for fulfilling the requirement of

“Helps business analyse how many users actually return to the application”

 Application Insights

- Azure Service Health
- Azure Advisor
- Azure Policies

Correct

This feature is part of the Application Insights tool. An example of this is given in the Microsoft documentation

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

For more information on the retention feature of Application Insights, please visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/usage-retention>

50. Question

A company is planning on deploying an application onto Azure. The application will be based on the .Net core programming language. The application would be hosted using Azure Web apps. Below is part of the various requirements for the application

Gives the ability for the testing team to view the different components of an application and see the calls being made between the different application components

Helps business analyse how many users actually return to the application

Ensuring IT administrators get alerts based on critical conditions being met in the application

Which of the following service would be best suited for fulfilling the requirement of

“Gives the ability for the testing team to view the different components of an application and see the calls being made between the different application components”

Application Insights

- Azure Service Health
- Azure Advisor
- Azure Policies

Correct

This feature is part of the Application Insights tool. An example of this is given in the Microsoft documentation

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

For more information on Application map, please visit the below URL

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

51. Question

A company is planning on deploying an application onto Azure. The application will be based on the .Net core programming language. The application would be hosted using Azure Web apps. Below is part of the various requirements for the application

Gives the ability for the testing team to view the different components of an application and see the calls being made between the different application components

Helps business analyse how many users actually return to the application

Ensuring IT administrators get alerts based on critical conditions being met in the application

Which of the following service would be best suited for fulfilling the requirement of

“Ensuring IT administrators get alerts based on critical conditions being met in the application”

Application Insights

Azure Monitor

- Azure Advisor

Azure Policies**Correct**

This is a feature of Azure Monitor wherein you can use the Alerts feature. This is also mentioned in the Microsoft documentation

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

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

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

52. Question

A company is planning on deploying an Azure Web App to 2 regions.

One of the key requirements is to ensure that the web app is always running if an Azure region fails. You need to ensure deployment costs are minimized.

Which of the following feature would be used to ensure failover in the service?

 Session Affinity Performance based routing Priority Routing URL routing**Incorrect**

You can change the routing method for the Traffic Manager to the Priority routing method for implementing failover. The Microsoft documentation mentions the following on the routing method.

Options A and D are incorrect since these features are more pertinent to the Application gateway.

Option B is incorrect since the priority routing method needs to be used for the Azure Traffic Manager.

For more information on Azure Traffic Manager routing methods, please visit the below URL

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

53. Question

A company is planning on deploying an Azure Web App to 2 regions.

One of the key requirements is to ensure that the web app is always running if an Azure region fails. You need to ensure deployment costs are minimized.

Which of the following service would you include in the deployment of the solution?

 Azure Functions Azure Traffic Manager Azure Application Gateway

- Azure Load Balancer

Correct

You can use the Azure Traffic Manager to switch traffic over to a failover region. The Microsoft documentation mentions the following on the Azure Traffic Manager

Option A is incorrect since this is a compute service in Azure

Options C and D are incorrect since these services can't be used in region failover scenarios

For more information on Azure Traffic Manager, please visit the below URL

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

54. Question

A company is planning on deploying the following set of resources to Azure

A set of virtual machines hosting an internal application

An Azure Web app used for hosting a production-based application

The company has the following monitoring requirements.

Understand the failures and performance issues for the application hosted in the Azure Web App service

The IT Admin staff should be notified if any infrastructure level changes are made to the Virtual Machine

Be informed if there are any issues with the underlying Azure services.

Which of the following would be best suited to fulfil the requirement?

“Understand the failures and performance issues for the application hosted in the Azure Web App service”

- Azure Log Analytics

- Application Insights

- Azure AD Connect health

- Microsoft System Center

Correct

You can use Application Insights for this purpose. This is also given in the Microsoft documentation

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

For more information on Application Insights, please visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/devops>

55. Question

A company is planning on deploying the following set of resources to Azure

A set of virtual machines hosting an internal application

An Azure Web app used for hosting a production-based application

The company has the following monitoring requirements.

Understand the failures and performance issues for the application hosted in the Azure Web App service

The IT Admin staff should be notified if any infrastructure level changes are made to the Virtual Machine

Be informed if there are any issues with the underlying Azure services.

Which of the following would be best suited to fulfil the requirement?

“The IT Admin staff should be notified if any infrastructure level changes are made to the Virtual Machine”

Azure Log Analytics

Application Insights

Azure Monitor Alerts

Azure Service Health

Correct

This can be done with Azure Monitor alerts. The following is mentioned in the Microsoft documentation.

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

For more information on Activity Log alerts, please visit the below URL

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

56. Question

A company is planning on deploying the following set of resources to Azure

A set of virtual machines hosting an internal application

An Azure Web app used for hosting a production-based application

The company has the following monitoring requirements.

Understand the failures and performance issues for the application hosted in the Azure Web App service

The IT Admin staff should be notified if any infrastructure level changes are made to the Virtual Machine

Be informed if there are any issues with the underlying Azure services.

Which of the following would be best suited to fulfil the requirement?

“Be informed if there are any issues with the underlying Azure services.”

Azure Log Analytics

Application Insights

Azure Monitor Alerts

Azure Service Health

Correct

Azure Service Health is the service that should be used. The following is mentioned in the Microsoft documentation.

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

For more information on Azure Service Health, please visit the below URL

<https://azure.microsoft.com/en-gb/features/service-health/>

57. Question

A company is planning on developing and developing a web-based application to Azure. The application would be developed in .Net core. The company wants the development team to be able to diagnose issues in the application. They should also be able to see the performance of individual requests made to the web application. This would enable them to detect any performance issues in the application

The development team decides to use Azure Advisor for this purpose

Would this fulfil the requirement?

Yes

No

Correct

Azure Advisor is used as a recommendation's engine. This service can be used to provide security and performance recommendations. It can't be used to diagnose web-based applications.

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

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

58. Question

A company is planning on hosting a set of servers in Azure. Some of these servers will run SQL Server 2016. These servers will be deployed to different data centers in the same Azure region. These will be part of an Always On availability group

The data on the servers will be backed up by using the SQL IaaS Agent Extension

Below are the key requirements for the storage for the different components of the Virtual Machine

Operating System – Speed and availability for the storage priority

Database and logs – Speed and availability for the storage priority

Backups – This should use the lowest cost option for storage

You have to decide what is the ideal storage requirement for each component

Which of the following would you implement for the Operating System?

Geo redundant storage account

Premium managed disk

Standard managed disk

Read Access Geo redundant storage account

Correct

Make use of premium storage for high performance. Below is what the Microsoft documentation mentions

Option C is incorrect since Standard storage offers less faster access than Premium storage

The Microsoft documentation mentions that we should not use geo-redundant storage accounts for SQL Servers as mentioned below. So, options A and D are incorrect.

For more information on SQL performance on VM's and Premium storage, please go ahead and visit the below URL

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

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

59. Question

A company is planning on hosting a set of servers in Azure. Some of these servers will run SQL Server 2016. These servers will be deployed to different data centers in the same Azure region. These will be part of an Always On availability group

The data on the servers will be backed up by using the SQL IaaS Agent Extension

Below are the key requirements for the storage for the different components of the Virtual Machine

Operating System – Speed and availability for the storage priority

Database and logs – Speed and availability for the storage priority

Backups – This should use the lowest cost option for storage

You have to decide what is the ideal storage requirement for each component

Which of the following would you implement for the Database and Logs?

- Geo redundant storage account
- Premium managed disk
- Standard managed disk
- Read Access Geo redundant storage account

Incorrect

Make use of premium storage for high performance. Below is what the Microsoft documentation mentions

Option C is incorrect since Standard storage offers less faster access than Premium storage

The Microsoft documentation mentions that we should not use geo-redundant storage accounts for SQL Servers as mentioned below. So, options A and D are incorrect.

For more information on SQL performance on VM's and Premium storage, please go ahead and visit the below URL

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

performance

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

60. Question

A company is planning on hosting a set of servers in Azure. Some of these servers will run SQL Server 2016. These servers will be deployed to different data centers in the same Azure region. These will be part of an Always On availability group

The data on the servers will be backed up by using the SQL IaaS Agent Extension

Below are the key requirements for the storage for the different components of the Virtual Machine
Operating System – Speed and availability for the storage priority

Database and logs – Speed and availability for the storage priority

Backups – This should use the lowest cost option for storage

You have to decide what is the ideal storage requirement for each component

Which of the following would you implement for the Backups?

- Geo redundant storage account
- Premium managed disk
- Standard managed disk
- Read Access Geo redundant storage account

Correct

With Standard Disks, you can achieve lower costs as mentioned below in the Microsoft documentation

The Microsoft documentation mentions that we should not use geo-redundant storage accounts for SQL Servers as mentioned below. So, options A and D are incorrect.

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

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

61. Question

A company is planning on hosting a system in Azure. It would consist of a web application module and a processing module as shown below



The Web Application would be hosted using the Azure Web App service. The Processing module would be

implemented using Azure Functions.

The company wants a system to be in place which could be used for exchange of messages between the Web Application and the Processing module. Which of the following could be used for this purpose?

Azure Blob Storage

Azure Table Storage

Azure Queue Storage

Azure File Storage

Correct

You can use Azure Queue storage for managing the messaging between application components.

The Microsoft documentation mentions the following

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

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

<https://azure.microsoft.com/en-in/services/storage/queues/>

62. Question

A company is planning on hosting a system in Azure. It would consist of a web application module and a processing module as shown below



The Web Application would be hosted using the Azure Web App service. The Processing module would be implemented using Azure Functions.

The company wants to have a cost-effective storage platform for storing user data. Which of the following could be used for this purpose?

Azure Blob Storage

Azure Table Storage

Azure Queue Storage

Azure File Storage

Incorrect

You can use Azure table storage as a cost-effective data store for the user data.

The Microsoft documentation mentions the following

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

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

<https://docs.microsoft.com/en-us/azure/cosmos-db/table-storage-overview>

63. Question

A company is planning on migrating their on-premise Microsoft SQL servers to Azure. They need to have a solution in place to host their existing SQL Server Integration Services (SSIS) packages. Which of the following could be used for this purpose?

- Azure Data Catalog
- SQL Server Migration Assistant (SSMS)
- Data Migration Assistant
- Azure Data Factory

Incorrect

This is given in the Microsoft documentation wherein you can use a component from Azure Data Factory for hosting the packages

Option A is incorrect since this is used to organize data sources in Azure

Options B and C are incorrect since this is used to migrate data between SQL servers.

For more information on hosting SSIS packages on Azure, please visit the below URL

<https://docs.microsoft.com/en-us/sql/integration-services/lift-shift/ssis-azure-lift-shift-ssis-packages-overview?view=sql-server-2017>

64. Question

A company is planning on moving their on-premise resources to Azure. They have 3 different applications that belong to different departments. Each application has a different requirement for business continuity as given below

HR Department – The application data needs to be retained for 3 years. From a disaster recovery perspective, the application needs to run from a different Azure region. The Recovery time objective would be 15 minutes

Logistics Department – Here the Service Management team wants to ensure that the application must be able to recover point in time data at a daily granularity level. The Recovery time objective would be 6 hours.

Procurement Department – Here the application must be able to failover to a secondary on-premise data center.

You have to recommend which service should be used by each department. You have to also ensure that

costs are minimized.

Which of the following would you use for the HR Department?

- Azure Site Recovery only
- Azure Backup only
- Azure Site Recovery and Azure Backup
- Azure Site Recovery and Azure Migrate

Correct

You will need the Azure backup service for long term retention of data. The below excerpt is from the Microsoft documentation on the retention of data in the Azure backup service

Option A is incorrect since you need to maintain backups for 3 years, for which you need to use the Azure backup service as well.

Option B is incorrect since you need Azure Site recovery as well to ensure the application can run off another region in case of a disaster

Option D is incorrect since Azure Migrate is used when you want to migrate VMware VM's to Azure

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

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

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

65. Question

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Logistics Department – Here the Service Management team wants to ensure that the application must be able to recover point in time data at a daily granularity level. The Recovery time objective would be 6 hours.

Procurement Department – Here the application must be able to failover to a secondary on-premise data center.

You have to recommend which service should be used by each department. You have to also ensure that costs are minimized.

Which of the following would you use for the Logistics Department?

- Azure Site Recovery only
- Azure Backup only

- Azure Site Recovery and Azure Backup
- Azure Site Recovery and Azure Migrate

Correct

Use Azure Backup when you want to have backup data at a granular level. This is also mentioned as a different Azure Backup and Azure Site recovery in the Microsoft documentation

Options A and C is incorrect since here we only need to have backup's in place

Option D is incorrect since Azure Migrate is used when you want to migrate VMware VM's to Azure

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

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

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

66. Question

A company is planning on moving their on-premise resources to Azure. They have 3 different applications that belong to different departments. Each application has a different requirement for business continuity as given below

HR Department – The application data needs to be retained for 3 years. From a disaster recovery perspective, the application needs to run from a different Azure region. The Recovery time objective would be 15 minutes

Logistics Department – Here the Service Management team wants to ensure that the application must be able to recover point in time data at a daily granularity level. The Recovery time objective would be 6 hours.

Procurement Department – Here the application must be able to failover to a secondary on-premise data center.

You have to recommend which service should be used by each department. You have to also ensure that costs are minimized.

Which of the following would you use for the Procurement Department?

- Azure Site Recovery only

- Azure Backup only
- Azure Site Recovery and Azure Backup
- Azure Site Recovery and Azure Migrate

Correct

You can use the Azure Site Recovery service to ensure that you can failover your application to a secondary site. The below except is from the Microsoft documentation for Azure Site Recovery

Options B and C is incorrect since here we only need to use Azure Site Recovery for the failover.

Option D is incorrect since Azure Migrate is used when you want to migrate VMware VM's to Azure

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

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

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

67. Question

A company is planning on setting the following architecture in Azure.

A web application hosted using the Azure Web App service

The application would be written in .Net core

A CosmosDB account with the Table API

The company has the following key requirements

Ensure proper capacity provisioning is implemented for the CosmosDB account

Generate reports on which parts of the application are most popular amongst users

Which of the following could be used to accomplish the below requirement?

“Ensure proper capacity provisioning is implemented for the CosmosDB account”

Generate alerts based on the service health of the resource

Generate alerts based on CosmosDB metrics

Generate alerts based on Azure Advisor metrics

Generate alerts based on Azure Activity Log Metrics

Correct

You can see how the throughput is being managed via the metrics available on the CosmosDB account.

You can create an alert based on the metric itself.

The Microsoft documentation mentions the following on the metrics

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

For more information on using metrics for CosmosDB, please go ahead and visit the below URL

<https://docs.microsoft.com/en-us/azure/cosmos-db/use-metrics>

68. Question

A company is planning on setting the following architecture in Azure.

A web application hosted using the Azure Web App service

The application would be written in .Net core

A CosmosDB account with the Table API

The company has the following key requirements

Ensure proper capacity provisioning is implemented for the CosmosDB account

Generate reports on which parts of the application are most popular amongst users

Which of the following could be used to accomplish the below requirement?

“Generate reports on which parts of the application are most popular amongst users”

- Use Azure Advisor
- Use Application Insights
- Use Azure Monitor
- Use Azure metrics

Correct

Application Insights can provide the required usage analysis for your web-based application

The Microsoft documentation mentions the following

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

For more information on usage analysis in Application Insights, please go ahead and visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/usage-overview>

69. Question

A company is planning on setting up 20 Standard DSv2 windows virtual machines. Each virtual machine would have two network interfaces adapters. You have to look into a solution with the below requirements
Increase the network performance of the applications running on the virtual machines

Ensure costs are minimized while implementing the solution

Which of the following would you implement to fulfil the requirements?

- Increase the Instance size
- Implement accelerated networking
- Add an additional disk
- Add an additional network interface card

Correct

You can increase network performance by implementing accelerated networking.

The Microsoft documentation mentions the following

Option A is incorrect since this would just increase the cost of the solution

Options C and D are incorrect since these would have no effect on the network performance

For more information on an example on accelerated networking, please go to the below URL

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

70. Question

A company is planning on storing database backups onto Azure. These backups will be individual .bak files.

The files need to be stored for compliance reasons. Most likely the data backups will never be used for

recovery purposes. You have to decide on which solution to use for the backup data. You have to minimize on costs.

- An Azure SQL database
- Azure BLOB storage that uses the Archive tier
- Azure BLOB storage that uses the Cool tier
- A Recovery Services vault

Correct

Using BLOB storage for storing files and objects is ideal. You can use the Archive tier to save on storage costs for objects that are not retrieved. The Microsoft documentation mentions the following

Option A is incorrect since this is a SQL data store and should not be used to file based backups.

Option C is incorrect since using the Archive tier would be a more cost-effective option

Option D is incorrect since this is used when using the Azure Backup and Site Recovery service

For more information on the different storage tiers, please visit the below URL

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

71. Question

A company is planning to deploy a web-based application to Azure. The application would be developed in .Net core. The company wants the development team to be able to diagnose issues in the application.

They should also be able to see the performance of individual requests made to the web application. This would enable them to detect any performance issues in the application

The development team decides to use Network Watcher for this purpose

Would this fulfill the requirement?

- Yes
- No

Correct

This is primarily a network monitoring solution

For more information on Network Watcher, please go to the below URL

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

72. Question

A company is planning to migrate an on-premise application to Azure. One component of the application is a windows native application that would be used to perform image processing. It needs to be ensured that when the component is not running, no Azure compute resources are consumed. You need to also ensure

that the image processing application runs every hour.

You decide to use Azure Web Jobs for the implementation

Would this fulfil the requirement?

Yes

No

Incorrect

Azure Web jobs are used along with Azure Web Apps for performing background tasks. Here there is no mention of the application being a web application, so using Azure Web job would not be practical.

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

<https://docs.microsoft.com/en-us/azure/app-service/webjobs-create>

73. Question

A company is planning to migrate an on-premise application to Azure. One component of the application is a windows native application that would be used to perform image processing. It needs to be ensured that when the component is not running, no Azure compute resources are consumed. You need to also ensure that the image processing application runs every hour.

You decide to use Azure Functions for the implementation

Would this fulfil the requirement?

Yes

No

Incorrect

This would fulfil the requirement. So Azure Functions can run as part of the Consumption plan wherein they only consume resources when they are run.

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

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

74. Question

A company is planning to migrate an on-premise application to Azure. One component of the application is a windows native application that would be used to perform image processing. It needs to be ensured that when the component is not running, no Azure compute resources are consumed. You need to also ensure that the image processing application runs every hour.

You decide to use Azure Logic App for the implementation

Would this fulfil the requirement?

Yes No**Correct**

Azure Logic Apps is more of a workflow-based application.

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

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

75. Question

A company is setting up a data storage solution for their on-premise location. They have to ensure that data is automatically replicated to Azure.

They decide to include using Azure BLOB storage as part of their storage solution

Would this fulfil the requirement?

 Yes No**Correct**

This is object storage available in Azure. You can use the AzCopy tool to copy data, but this is not the ideal solution for replicating data between on-premise and Azure.

For more information on Azure BLOB storage, please visit the below URL

<https://azure.microsoft.com/en-us/services/storage/blobs/>

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