



## Microsoft

### Exam Questions AZ-303

Microsoft Azure Architect Technologies (beta)

**NEW QUESTION 1**

- (Exam Topic 1)

You need to meet the user requirement for Admin1. What should you do?

- A. From the Subscriptions blade, select the subscription, and then modify the Properties.
- B. From the Subscriptions blade, select the subscription, and then modify the Access control (IAM) settings.
- C. From the Azure Active Directory blade, modify the Properties.
- D. From the Azure Active Directory blade, modify the Groups.

**Answer:** A

**Explanation:**

Change the Service administrator for an Azure subscription

- > Sign in to Account Center as the Account administrator.
- > Select a subscription.
- > On the right side, select Edit subscription details.

Scenario: Designate a new user named Admin1 as the service administrator of the Azure subscription. References: <https://docs.microsoft.com/en-us/azure/billing/billing-add-change-azure-subscription-administrator>

**NEW QUESTION 2**

- (Exam Topic 1)

You need to recommend a solution for App1. The solution must meet the technical requirements. What should you include in the recommendation? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Number of virtual networks:

	▼
1	
2	
3	

Number of subnets per virtual network:

	▼
1	
2	
3	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: 3

One virtual network for every tier Box 2: 1

Only one subnet for each tier, to minimize the number of open ports.

Scenario: You have a public-facing application named App1. App1 is comprised of the following three tiers: > A SQL database

- > A web front end
- > A processing middle tier

Each tier is comprised of five virtual machines. Users access the web front end by using HTTPS only. Technical requirements:

- > Move all the virtual machines for App1 to Azure.
- > Minimize the number of open ports between the App1 tiers.

**NEW QUESTION 3**

- (Exam Topic 2)

You have an Azure subscription named Subscription1 that is used by several departments at your company. Subscription1 contains the resources in the following table.

Name	Type
Storage1	Storage account
RG1	Resource group
Container1	Blob container
Share1	File share

Another administrator deploys a virtual machine named VM1 and an Azure Storage account named Storage2 by using a single Azure Resource Manager template. You need to view the template used for the deployment.

From which blade can you view the template that was used for the deployment?

- A. Container1

- B. VM1
- C. Storage2
- D. RG1

**Answer:** D

**NEW QUESTION 4**

- (Exam Topic 2)

A company hosts virtual machines (VMs) in an on-premises datacenter and in Azure. The on-premises and Azure-based VMs communicate using ExpressRoute. The company wants to be able to continue regular operations if the ExpressRoute connection fails. Failover connections must use the Internet and must not require Multiprotocol Label Switching (MPLS) support.

You need to recommend a solution that provides continued operations. What should you recommend?

- A. Set up a second ExpressRoute connection.
- B. Increase the bandwidth of the existing ExpressRoute connection.
- C. Increase the bandwidth for the on-premises internet connection.
- D. Set up a VPN connection.

**Answer:** D

**Explanation:**

References:

<https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/expressroutevpn->

**NEW QUESTION 5**

- (Exam Topic 2)

Note: This question is part of series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a server named Server1 that runs Windows Server 2019. Server1 is a container host. You are creating a Dockerfile to build a container image.

You need to add a file named File1.txt from Server1 to a folder named C:\Folder1 in the container image. Solution: You add the following line to the Dockerfile.

ADD File1.txt C:/Folder1/

You then build the container image. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Copy is the correct command to copy a file to the container image. The ADD command can also be used. However, the root directory is specified as '/' and not as 'C:/'.

Reference:

[https://docs.docker.com/develop/develop-images/dockerfile\\_best-practices/#add-or-copy](https://docs.docker.com/develop/develop-images/dockerfile_best-practices/#add-or-copy) <https://docs.docker.com/engine/reference/builder/>

**NEW QUESTION 6**

- (Exam Topic 2)

Your network contains an Active Directory domain named adatum.com and an Azure Active Directory (Azure AD) tenant named adatum.onmicrosoft.com.

Adatum.com contains the user accounts in the following table.

Name	Member of
User1	Domain Admins
User2	Schema Admins
User3	Incoming Forest Trust Builders
User4	Replicator
User5	Enterprise Admins

Adatum.onmicrosoft.com contains the user accounts in the following table.

Name	Role
UserA	Global administrator
UserB	User administrator
UserC	Security administrator
UserD	Service administrator

You need to implement Azure AD Connect. The solution must follow the principle of least privilege. Which user accounts should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Adatum.com:

User1
User2
User3
User4
User5

Adatum.onmicrosoft.com:

UserA
UserB
UserC
UserD

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: User5

In Express settings, the installation wizard asks for the following: AD DS Enterprise Administrator credentials  
 Azure AD Global Administrator credentials

The AD DS Enterprise Admin account is used to configure your on-premises Active Directory. These credentials are only used during the installation and are not used after the installation has completed. The Enterprise Admin, not the Domain Admin should make sure the permissions in Active Directory can be set in all domains. Box 2: UserA

Azure AD Global Admin credentials are only used during the installation and are not used after the installation has completed. It is used to create the Azure AD Connector account used for synchronizing changes to Azure AD. The account also enables sync as a feature in Azure AD.

References:

<https://docs.microsoft.com/en-us/azure/active-directory/connect/active-directory-aadconnect-accounts-permissio>

**NEW QUESTION 7**

- (Exam Topic 2)

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

Name	Location
RG1	West US
RG2	East US

RG1 contains the virtual machines shown in the following table.

Name	Region
VM1	West US
VM2	West US
VM3	West US
VM4	West US

RG2 contains the virtual machines shown in the following table.

Name	Region
VM5	East US 2
VM6	East US 2
VM7	West US
VM8	West US 2

All the virtual machines are configured to use premium disks and are accessible from the Internet.

VM1 and VM2 are in an available set named AVSET1. VM3 and VM4 are in the same availability zone and are in an availability set named AVSET2. VM5 and VM6 are in different availability zones.

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

NOTE: Each correct selection is worth one point.

Statements	Yes	No
VM1 is eligible for a Service Level Agreement (SLA) of 99,95 percent.	<input type="radio"/>	<input type="radio"/>
VM3 is eligible for a Service Level Agreement (SLA) of 99,99 percent.	<input type="radio"/>	<input type="radio"/>
VM5 is eligible for a Service Level Agreement (SLA) of 99,99 percent.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Yes

VM1 and VM2 are in an available set named AVSET1.

For all Virtual Machines that have two or more instances deployed in the same Availability Set, we [Microsoft] guarantee you will have Virtual Machine Connectivity to at least one instance at least 99.95% of the time.

Box 2: No

VM3 and VM4 are in the same availability zone and are in an availability set named AVSET2. Box 3: Yes

VM5 and VM6 are in different availability zones.

For all Virtual Machines that have two or more instances deployed across two or more Availability Zones in the same Azure region, we [Microsoft] guarantee you will have Virtual Machine Connectivity to at least one instance at least 99.99% of the time.

References:

[https://azure.microsoft.com/en-us/support/legal/sla/virtual-machines/v1\\_8/](https://azure.microsoft.com/en-us/support/legal/sla/virtual-machines/v1_8/)

**NEW QUESTION 8**

- (Exam Topic 2)

You have an Azure subscription that contains a resource group named RG1. You have a group named Group1 that is assigned the Contributor role for RG1.

You need to enhance security for the virtual machines in RG1 to meet the following requirements:

- Prevent Group1 from assigning external IP addresses to the virtual machines.
- Ensure that Group1 can establish an RDP connection to the virtual machines through a shared external IP address.

What should you use to meet each requirement? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Prevent Group1 from assigning external IP addresses to the virtual machines:

- Azure Policy
- Azure Bastion
- Virtual network service endpoints
- Azure Firewall
- Azure Web Application Firewall (WAF)

Ensure that Group1 can establish an RDP connection to the virtual machines through a shared external IP address:

- Azure Policy
- Azure Bastion
- Virtual network service endpoints
- Azure Firewall
- Azure Web Application Firewall (WAF)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Prevent Group1 from assigning external IP addresses to the virtual machines:

- Azure Policy
- Azure Bastion
- Virtual network service endpoints
- Azure Firewall
- Azure Web Application Firewall (WAF)

Ensure that Group1 can establish an RDP connection to the virtual machines through a shared external IP address:

- Azure Policy
- Azure Bastion
- Virtual network service endpoints
- Azure Firewall
- Azure Web Application Firewall (WAF)

**NEW QUESTION 9**

- (Exam Topic 2)

Your company has a virtualization environment that contains the virtualization hosts shown in the following table.

Name	Hypervisor	Guest
Server1	VMware	VM1, VM2, VM3
Server2	Hyper-V	VMA, VMB, VMC

The virtual machines are configured as shown in the following table.

Name	Generation	Memory	Operating system (OS)	OS disk	Data disk
VM1	Not applicable	4 GB	Windows Server 2016	200 GB	800 GB
VM2	Not applicable	12 GB	Red Hat Enterprise Linux 7.2	3 TB	200 GB
VM3	Not applicable	32 GB	Windows Server 2012 R2	200 GB	1 TB
VMA	1	8 GB	Windows Server 2012	100 GB	2 TB
VMB	1	16 GB	Red Hat Enterprise Linux 7.2	150 GB	3 TB
VMC	2	24 GB	Windows Server 2016	500 GB	6 TB

All the virtual machines use basic disks. VM1 is protected by using BitLocker Drive Encryption (BitLocker). You plan to migrate the virtual machines to Azure by using Azure Site Recovery.

You need to identify which virtual machines can be migrated.

Which virtual machines should you identify for each server? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

The virtual machines that can be migrated from Server1.

- VM1 only
- VM2 only
- VM3 only
- VM1 and VM2 only
- VM1 and VM3 only
- VM1, VM2, and VM3

The virtual machines that can be migrated from Server2.

- VMA only
- VMB only
- VMC only
- VMA and VMB only
- VMA and VMC only
- VMA, VMB, and VMC

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The virtual machines that can be migrated from Server1.

- VM1 only
- VM2 only
- VM3 only
- VM1 and VM2 only
- VM1 and VM3 only
- VM1, VM2, and VM3

The virtual machines that can be migrated from Server2.

- VMA only
- VMB only
- VMC only
- VMA and VMB only
- VMA and VMC only
- VMA, VMB, and VMC

**NEW QUESTION 10**

- (Exam Topic 2)

Your network contains an on-premises Active Directory domain named contoso.com that contains a member server named Server1. You have the accounts shown in the following table.

Name	Member of
CONTOSO\User1	Domain Admins
CONTOSO\User2	Domain Users
CONTOSO\User3	Enterprise Admin
SERVER1\User4	Users

You are installing Azure AD Connect on Server1. You need to specify the account for Azure AD Connect synchronization. The solution must use the principle of least privilege. Which account should you specify?

- A. CONTOSO\User2
- B. SERVER1\User4
- C. CONTOSO\User1
- D. CONTOSO\User3

**Answer:** A

**Explanation:**

The default Domain User permissions are sufficient Reference: <https://docs.microsoft.com/en-us/azure/active-directory/hybrid/reference-connect-accounts-permissions>

**NEW QUESTION 10**

- (Exam Topic 2)

You have an Azure subscription that contains 10 virtual machines on a virtual network. You need to create a graph visualization to display the traffic flow between the virtual machines. What should you do from Azure Monitor?

- A. From Activity log, use quick insights.
- B. From Metrics, create a chart.
- C. From Logs, create a new query.
- D. From Workbooks, create a workbook.

**Answer:** C

**Explanation:**

Navigate to Azure Monitor and select Logs to begin querying the data Reference: <https://azure.microsoft.com/en-us/blog/analysis-of-network-connection-data-with-azure-monitor-for-virtual-mac>

**NEW QUESTION 12**

- (Exam Topic 2)

You have an Azure Cosmos DB account named Account1. Account1 includes a database named DB1 that contains a container named Container 1. The partition key for Container1 is set to /city. You plan to change the partition key for Container1 What should you do first?

- A. Delete Container1
- B. Create a new container in DB1

- C. Regenerate the keys for Account1.
- D. Implement the Azure CosmosDB.NET SDK

**Answer:** B

**Explanation:**

The good news is that there are two features, the Change Feed Processor and Bulk Executor Library, in Azure Cosmos DB that can be leveraged to achieve a live migration of your data from one container to another. This allows you to re-distribute your data to match the desired new partition key scheme, and make the relevant application changes afterwards, thus achieving the effect of “updating your partition key”.

Reference:

<https://devblogs.microsoft.com/cosmosdb/how-to-change-your-partition-key/>

**NEW QUESTION 15**

- (Exam Topic 2)

You have an Azure Active Directory (Azure AD) tenant named contoso.com. The tenant contains the users shown in the following table.

Name	Member of
User1	Group1
User2	Group2

The tenant contains computers that run Windows 10. The computers are configured as shown in the following table.

Name	Member of
Computer1	GroupA
Computer2	GroupA
Computer3	GroupB

You enable Enterprise State Roaming in contoso.com for Group1 and GroupA.

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

NOTE: Each correct selection is worth one point.

**Answer Area**

Statements	Yes	No
If User1 modifies the desktop background of Computer1, User1 will see the changed background when signing in to Computer3.	<input type="radio"/>	<input type="radio"/>
If User2 modifies the desktop background of Computer1, User2 will see the changed background when signing in to Computer2.	<input type="radio"/>	<input type="radio"/>
If User1 modifies the desktop background of Computer3, User1 will see the changed background when signing in to Computer2.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Enterprise State Roaming provides users with a unified experience across their Windows devices and reduces the time needed for configuring a new device.

Box 1: Yes

Box 2: No

Box 3: Yes References:

<https://docs.microsoft.com/en-us/azure/active-directory/devices/enterprise-state-roaming-overview>

**NEW QUESTION 20**

- (Exam Topic 2)

You have Azure virtual machines that have Update Management enabled. The virtual machines are configured as shown in the following table.

Name	Operating system	Resource group	Location
VM1	Windows Server 2012 R2	RG1	East US
VM2	Windows Server 2016	RG1	West US
VM3	Windows Server 2019	RG2	West US
VM4	Red Hat Enterprise Linux 7.7	RG2	West US
VM5	Ubuntu Server 18.04 LTS	RG1	East US
VM6	CentOS-based 7.7	RG1	East US

You need to ensure that all critical and security updates are applied to each virtual machine every month. What is the minimum number of update deployments you should create?

- A. 4
- B. 6
- C. 1
- D. 2

**Answer:** A

**NEW QUESTION 21**

- (Exam Topic 2)

You are implementing authentication for applications in your company. You plan to implement self-service password reset (SSPR) and multifactor authentication (MFA) in Azure Active Directory (Azure AD).

You need to select authentication mechanisms that can be used for both MFA and SSPR.

Which two authentication methods should you use? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. Short Message Service (SMS) messages
- B. Authentication app
- C. Email addresses
- D. Security questions
- E. App passwords

**Answer:** AB

**Explanation:**

References:

<https://docs.microsoft.com/en-us/azure/active-directory/authentication/concept-authentication-methods>

**NEW QUESTION 24**

- (Exam Topic 2)

You have an Azure subscription that contains 100 virtual machines.

You have a set of Pester tests in PowerShell that validate the virtual machine environment.

You need to run the tests whenever there is an operating system update on the virtual machines. The solution must minimize implementation time and recurring costs.

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Which three resources should you use to implement the tests? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Azure Automation runbook
- B. an alert rule
- C. an Azure Monitor query
- D. a virtual machine that has network access to the 100 virtual machines
- E. an alert action group

**Answer:** ABE

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/automation/automation-create-alert-triggered-runbook> <https://techsnips.io/snips/how-to-create-and-test-azure-monitor-alerts/?page=13>

**NEW QUESTION 27**

- (Exam Topic 2)

You have three Azure SQL Database servers shown in the following table.

Name	Resource group	Location
sqlserver1	RG1	West US
sqlserver2	RG1	West US
sqlserver3	RG2	West US
sqlserver4	RG1	West Europe
sqlserver5	RG2	West Europe

You plan to specify sqlserver1 as the primary server in a failover group. Which servers can be used as a secondary server?

- A. sqlserver4 and sqlserver5 only
- B. sqlserver2 and sqlserver3 only
- C. sqlserver1 and sqlserver3 only
- D. sqlserver2 and sqlserver4 only

**Answer:** D

**Explanation:**

The Resource Group must be the same.

The secondary server can have another location.

The secondary server cannot be the same as the primary server. Reference:  
<https://docs.microsoft.com/en-us/azure/azure-sql/database/auto-failover-group-configure>

**NEW QUESTION 30**

- (Exam Topic 2)

You create and save an Azure Resource Manager template named Template1 that includes the following four sections.

```
{
  "$schema": "https://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#",
  "contentVersion": "1.0.0.0",
  "parameters": {
    "windowsOSVersion": {
      "defaultValue": "2019-Datacenter",
      "allowedValues": [
        "2012-Datacenter",
        "2012-R2-Datacenter",
        "2016-Datacenter",
        "2019-Datacenter"
      ]
    }
  },
}
```

Section2.

```
"variables": {
  "windowsOSVersion": "2012-Datacenter",
```

Section3.

```
},
"resources": [
  {
    "type": "Microsoft.Compute/virtualMachines",
```

Section4.

```
"storageProfile": {
  "imageReference": {
    "publisher": "MicrosoftWindowsServer",
    "offer": "WindowsServer",
    "sku": "2012-R2-Datacenter",
    "version": "latest"
  },
```

You deploy template1.

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

Answer Area

Statements	Yes	No
Windows Server 2012 R2 Datacenter will be deployed to the Azure virtual machine.	<input type="radio"/>	<input type="radio"/>
A custom image of Windows Server will be deployed.	<input type="radio"/>	<input type="radio"/>
During the deployment of Template1, an administrator will be prompted to select a version of Windows Server.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Windows Server 2012 R2 Datacenter will be deployed to the Azure virtual machine.	<input checked="" type="radio"/>	<input type="radio"/>
A custom image of Windows Server will be deployed.	<input type="radio"/>	<input checked="" type="radio"/>
During the deployment of Template1, an administrator will be prompted to select a version of Windows Server.	<input type="radio"/>	<input checked="" type="radio"/>

**NEW QUESTION 31**

- (Exam Topic 2)

You create an Azure virtual machine named VM1 in a resource group named RG1. You discover that VM1 performs slower than expected. You need to capture a network trace on VM1. What should you do?

- A. From Diagnostic settings for VM1, configure the performance counters to include network counters.
- B. From the VM1 blade, configure Connection troubleshoot.
- C. From the VM1 blade, install performance diagnostics and run advanced performance analysis
- D. From Diagnostic settings for VM1, configure the log level of the diagnostic agent.

**Answer: C**

**Explanation:**

The performance diagnostics tool helps you troubleshoot performance issues that can affect a Windows or Linux virtual machine (VM). Supported troubleshooting scenarios include quick checks on known issues and best practices, and complex problems that involve slow VM performance or high usage of CPU, disk space, or memory.

Advanced performance analysis, included in the performance diagnostics tool, includes all checks in the performance analysis, and collects one or more of the traces, as listed in the following sections. Use this scenario to troubleshoot complex issues that require additional traces. Running this scenario for longer periods will increase the overall size of diagnostics output, depending on the size of the VM and the trace options that are selected.

References:

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

**NEW QUESTION 33**

- (Exam Topic 2)

Note: This question is part of series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure Active Directory (Azure AD) tenant named contoso.com.

A user named Admin1 attempts to create an access review from the Azure Active Directory admin center and discovers that the Access reviews settings are unavailable. Admin1 discovers that all the other Identity Governance settings are available.

Admin1 is assigned the User administrator, Compliance administrator, and Security administrator roles. You need to ensure that Admin1 can create access reviews in contoso.com.

Solution: You assign the Service administrator role to Admin1. Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**Explanation:**

Instead use Azure AD Privileged Identity Management.

Note: PIM essentially helps you manage the who, what, when, where, and why for resources that you care about. Key features of PIM include:

- > Conduct access reviews to ensure users still need roles
- References:

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

**NEW QUESTION 36**

- (Exam Topic 2)

You have an Azure Container Registry and an Azure container instance.

You pull an image from the registry, and then update the local copy of the image.

You need to ensure that the updated image can be deployed to the container instance. The solution must ensure that you can deploy the updated image or the previous version of the image.

What should you do?

- A. Run the docker image push command and specify the tag parameter.
- B. Run the az image copy command and specify the tag parameter.
- C. Run the az aks update command and specify the attach-acr parameter.
- D. Run the kubectl apply command and specify the dry-run parameter.

**Answer: B**

**NEW QUESTION 40**

- (Exam Topic 2)

You have the Azure SQL Database servers shown in the following table.

Name	Elastic pool
sqlserver1	Pool1
sqlserver2	Pool1, Pool2

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

Name	Azure SQL Database server	Elastic pool
DB1	sqlserver1	None
DB2	sqlserver1	Pool1
DB3	sqlserver2	Pool1
DB4	sqlserver2	Pool2

You create a failover group named failover1 that has the following settings:

- Primary server: sqlserver1
- Secondary server: sqlserver2
- Read/Write failover policy: Automatic
- Read/Write grace period (hours): 1 hour

Statements	Yes	No
You can add DB1 to failover1.	<input type="radio"/>	<input type="radio"/>
You can add DB3 to failover1.	<input type="radio"/>	<input type="radio"/>
Sqlserver1 and sqlserver2 are in the same Azure region.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
You can add DB1 to failover1.	<input checked="" type="radio"/>	<input type="radio"/>
You can add DB3 to failover1.	<input type="radio"/>	<input checked="" type="radio"/>
Sqlserver1 and sqlserver2 are in the same Azure region.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 41**

- (Exam Topic 2)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your company is deploying an on-premises application named Appl. Users will access App1 by using a URL of <https://app1.contoso.com>. You register App1 in Azure Active Directory (Azure AD) and publish Appl by using the Azure AD Application Proxy. You need to ensure that Appl appears in the My Apps portal for all the users.

Solution: You create an offer for App1 and publish the offer to Azure Marketplace.

- A. Yes
- B. No

Answer: A

**NEW QUESTION 46**

- (Exam Topic 2)

You create the Azure resources shown in the following table.

Name	Resource type
VM1	Virtual machine
VM2	Virtual machine
Managed1	Managed identity
Managed2	Managed identity

You attempt to add a role assignment to a resource group as shown in the following exhibit.

What should you do to ensure that you can assign VM2 the Reader role for the resource group?

- A. Modify the Reader role at the subscription level.

- B. Configure just in time (JIT) VM access on VM2.
- C. Configure Access control (IAM) on VM2.
- D. Assign a managed identity to VM2.

**Answer:** D

**NEW QUESTION 50**

- (Exam Topic 2)

Note: This question is part of series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a server named Server1 that runs Windows Server 2019. Server1 is a container host. You are creating a Dockerfile to build a container image.

You need to add a file named File1.txt from Server1 to a folder named C:\Folder1 in the container image. Solution: You add the following line to the Dockerfile.

COPY File1.txt C:/Folder1/

You then build the container image. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Copy is the correct command to copy a file to the container image but the root directory is specified as '/' and not as 'C:/'.

References:

[https://docs.docker.com/develop/develop-images/dockerfile\\_best-practices/#add-or-copy](https://docs.docker.com/develop/develop-images/dockerfile_best-practices/#add-or-copy) <https://docs.docker.com/engine/reference/builder/>

**NEW QUESTION 51**

- (Exam Topic 2)

You have an Azure logic app named App1 and an Azure Service Bus queue named Queue1.

You need to ensure that App1 can read messages from Queue1. App1 must authenticate by using Azure Active Directory (Azure AD).

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

On App1:

- Add a logic app step
- Configure Access control (IAM)
- Regenerate the access key
- Turn on the managed identity

On Queue1:

- Add a read-only lock
- Add a shared access policy
- Configure Access control (IAM)
- Modify the properties

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

On App1: Turn on the managed identity

To use Service Bus with managed identities, you need to assign the identity the role and the appropriate scope. The procedure in this section uses a simple application that runs under a managed identity and accesses Service Bus resources.

Once the application is created, follow these steps:

- > Go to Settings and select Identity.
- > Select the Status to be On.
- > Select Save to save the setting.

On Queue1: Configure Access Control (IAM)

Azure Active Directory (Azure AD) authorizes access rights to secured resources through role-based access control (RBAC). Azure Service Bus defines a set of built-in RBAC roles that encompass common sets of permissions used to access Service Bus entities and you can also define custom roles for accessing the data.

Assign RBAC roles using the Azure portal

In the Azure portal, navigate to your Service Bus namespace. Select Access Control (IAM) on the left menu to display access control settings for the namespace. If you need to create a Service Bus namespace.

Select the Role assignments tab to see the list of role assignments. Select the Add button on the toolbar and then select Add role assignment.

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/authenticate-application> <https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-managed-service-identity>

**NEW QUESTION 56**

- (Exam Topic 2)

You have the virtual machines shown in the following table.

Name	Operating system	Connected to
VM1	Red Hat Enterprise Linux 7.7	VNET1
VM2	Windows Server 2019	VNET2
VM3	Windows Server 2019	VNET3

You deploy an Azure bastion named Bastion1 to VNET1.  
 To which virtual machines can you connect by using Bastion1?

- A. VM1 only
- B. VM1 and VM2 only
- C. VM2 and VM3 only
- D. VM1, VM2, and VM3

**Answer: C**

**NEW QUESTION 61**

- (Exam Topic 2)

You have an Azure subscription.

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

```
{
  "Name": "Role1",
  "Id": "888888888-8888-8888-8888888888888888",
  "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"
  ]
}
```

You assign the role to a user named User1. Which action can User1 perform?

- A. Delete virtual machines.
- B. Create resource groups.
- C. Create virtual machines.
- D. Create support requests

**Answer: D**

**Explanation:**

The "Microsoft.Support/\*" operation will allow the user to create support tickets. References:  
<https://docs.microsoft.com/en-us/azure/role-based-access-control/tutorial-custom-role-powershell>

**NEW QUESTION 66**

- (Exam Topic 2)

You create the following Azure role definition.

```
{
  "Name": "Role1",
  "Id": "80808080-8080-8080-8080-808080808080",
  "IsCustom": false,
  "Description": "",
  "Actions": [
    "Microsoft.Storage/*/read",
    "Microsoft.Network/*/read",
    "Microsoft.Compute/virtualMachines/start/action",
    "Microsoft.Compute/virtualMachines/restart/action",
    "Microsoft.Authorization/*/read"],
  "NotActions": [ ],
  "DataActions": [ ],
  "NotDataActions": [ ],
  "AssignableScopes": [ ]
}
```

You need to create Role1 by using the role definition.

Which two values should you modify before you create Role1? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. AssignableScopes
- B. Description
- C. DataActions
- D. IsCustom
- E. Id

**Answer:** AD

**Explanation:**

Part of example: "IsCustom": true,

"AssignableScopes": [ "/subscriptions/{subscriptionId1}", "/subscriptions/{subscriptionId2}",  
 "/subscriptions/{subscriptionId3}"

The following shows what a custom role looks like as displayed in JSON format. This custom role can be used for monitoring and restarting virtual machines.

```
{
  "Name": "Virtual Machine Operator",
  "Id": "88888888-8888-8888-8888-888888888888",
  "IsCustom": true,
  "Description": "Can monitor and restart virtual machines.", "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/{subscriptionId1}",
  "/subscriptions/{subscriptionId2}", "/subscriptions/{subscriptionId3}"
  ]
}
```

Reference:

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

**NEW QUESTION 69**

- (Exam Topic 2)

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

You need to create a conditional access policy that requires all users to use multi-factor authentication when they access the Azure portal.

Which three settings should you configure? To answer, select the appropriate settings to the answer area. NOTE: Each correct selection is worth one point.

**\*Name**  
 ✓

**Assignments**

Users and groups ⓘ  
 0 users and groups selected >

Cloud apps ⓘ  
 0 cloud apps selected >

Conditions ⓘ  
 0 cloud apps selected >

**Access controls**

Grant ⓘ  
 0 controls selected >

Session ⓘ  
 0 controls selected >

**Enable Policy**

ON  OFF

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

**NEW QUESTION 70**

- (Exam Topic 2)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your company is deploying an on-premises application named App1. Users will access App1 by using a URL of <https://app1.contoso.com>. You register App1 in Azure Active Directory (Azure AD) and publish App1 by using the Azure AD Application Proxy. You need to ensure that App1 appears in the My Apps portal for all the users.

Solution: You create a conditional access policy for App1.

- A. Yes
- B. No

**Answer:** B

**NEW QUESTION 73**

- (Exam Topic 2)

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

Name	Type	Region	Resource group
RG1	Resource group	Central US	<i>Not applicable</i>
RG2	Resource group	West US	<i>Not applicable</i>
VM1	Virtual machine	East US	RG2
VNET1	Virtual network	East US	RG1

In RG2, you need to create a new virtual machine named VM2 that will connect to VNET1. VM2 will use a network interface named VM2\_Interface. In which region should you create VM2 and VM2\_Interface? To answer, drag the appropriate regions to the correct targets. Each region may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.  
 NOTE: Each correct selection is worth one point.

### Regions

Central US

East US

West US

### Answer Area

VM2:

VM2\_Interface:

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

VM2: West US

In RG2, which is in West US, you need to create a new virtual machine named VM2. VM2\_interface: East US  
 VM2 will use a network interface named VM2\_Interface to connect to VNET1, which is in East US. References:  
<https://docs.microsoft.com/en-us/azure/virtual-network/associate-public-ip-address-vm>

**NEW QUESTION 76**

- (Exam Topic 2)

You have SQL Server on an Azure virtual machine named SQL1.

You need to automate the backup of the databases on SQL1 by using Automated Backup v2 for the virtual machines. The backups must meet the following requirements:

- Meet a recovery point objective (RPO) of 15 minutes.
- Retain the backups for 30 days.
- Encrypt the backups at rest.

What should you provision as part of the backup solution?

- A. Azure Key Vault
- B. an Azure Storage account
- C. a Recovery Services vault
- D. Elastic Database jobs

**Answer:** B

**Explanation:**

An Azure storage account is used for storing Automated Backup files in blob storage. A container is created at this location to store all backup files. The backup file naming convention includes the date, time, and database GUID.

Reference:

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

**NEW QUESTION 77**

- (Exam Topic 2)

You plan to create an Azure Storage account in the Azure region of East US 2. You need to create a storage account that meets the following requirements:

- > Replicates synchronously
- > Remains available if a single data center in the region fails

How should you configure the storage account? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

## Answer Area

Replication:

▼
Geo-redundant storage (GRS)
Locally-redundant storage (LRS)
Read-access geo-redundant storage (RA GRS)
Zone-redundant storage (ZRS)

Account kind:

▼
Blob storage
Storage (general purpose v1)
StorageV2 (general purpose v2)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Zone-redundant storage (ZRS)

Zone-redundant storage (ZRS) replicates your data synchronously across three storage clusters in a single region.

LRS would not remain available if a data center in the region fails GRS and RA GRS use asynchronous replication.

Box 2: StorageV2 (general purpose V2) ZRS only support GPv2.

References:

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

**NEW QUESTION 82**

- (Exam Topic 2)

Note: This question is part of series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a server named Server1 that runs Windows Server 2019. Server1 is a container host. You are creating a Dockerfile to build a container image.

You need to add a file named File1.txt from Server1 to a folder named C:\Folder1 in the container image. Solution: You add the following line to the Dockerfile.

Copy-Item File1.txt C:\Folder1\File1.txt You then build the container image. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Copy-Item is not supported. Copy is the correct command to copy a file to the container image. References:

[https://docs.docker.com/develop/develop-images/dockerfile\\_best-practices/#add-or-copy](https://docs.docker.com/develop/develop-images/dockerfile_best-practices/#add-or-copy) <https://docs.docker.com/engine/reference/builder/>

**NEW QUESTION 84**

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