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### Topic 1 - Question Set 1

Question #1

*Topic 1*

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.

Question #2

*Topic 1*

HOTSPOT -

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.

Hot Area:

#### Answer Area

Replication:

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

Account type:

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

Question #3

Topic 1

**HOTSPOT -**

You plan to deploy an Azure virtual machine named VM1 by using an Azure Resource Manager template.

You need to complete the template.

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

```
{  
    "type": "Microsoft.Compute/virtualMachines",  
    "apiVersion": "2018-10-01",  
    "name": "VM1",  
    "location": "[parameters('location')]",  
    "dependsOn": [  
        "[resourceId('Microsoft.Storage/storageAccounts/', variables('Name3'))]",  
        "[resourceId(  
            'Microsoft.Network/publicIPAddresses/'  
            'Microsoft.Network/virtualNetworks/'  
            'Microsoft.Network/networkInterfaces/'  
            'Microsoft.Network/virtualNetworks/subnets'  
            'Microsoft.Storage/storageAccounts/'  
        ]],  
        {  
            "type": "Microsoft.Network/networkInterfaces",  
            "apiVersion": "2018-11-01",  
            "name": "NIC1",  
            "location": "[parameters('location')]",  
            "dependsOn": [  
                "[resourceId('Microsoft.Network/publicIPAddresses/', variables('Name1'))]",  
                "[resourceId(  
                    'Microsoft.Network/publicIPAddresses/'  
                    'Microsoft.Network/virtualNetworks/'  
                    'Microsoft.Network/networkInterfaces/'  
                    'Microsoft.Network/virtualNetworks/subnets'  
                    'Microsoft.Storage/storageAccounts/'  
                ]],  
            ],  
        },  
    ],  
}
```

Question #4

Topic 1

**HOTSPOT -**

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 in Adatum.com and Adatum.onmicrosoft.com to implement Azure AD Connect? To answer select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Adatum.com:

	▼
User1	
User2	
User3	
User4	
User5	

Adatum.onmicrosoft.com:

	▼
UserA	
UserB	
UserC	
UserD	

## Question #5

*Topic 1*

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.

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

Question #6

Topic 1

**HOTSPOT -**

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

Name	Location
RG1	West US
RG2	East US

You create an Azure Resource Manager template named Template1 as shown in the following exhibit.

```
{
    "$schema": "http://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#",
    "contentVersion": "1.0.0.0",
    "parameters": {
        "name": {
            "type": "String"
        },
        "location": {
            "defaultValue": "westus",
            "type": "String"
        }
    },
    "variables": {
        "location": "[resourceGroup().location]"
    },
    "resources": [
        {
            "type": "Microsoft.Network/publicIPAddresses",
            "apiVersion": "2019-11-01",
            "name": "[parameters('name')]",
            "location": "[variables('location')]",
            "sku": {
                "name": "Basic"
            },
            "properties": {
                "publicIPAddressVersion": "IPv4",
                "publicIPAllocationMethod": "Dynamic",
                "idleTimeoutInMinutes": 4,
                "ipTags": []
            }
        }
    ]
}
```

From the Azure portal, you deploy Template1 four times by using the settings shown in the following table.

Resource group	Name	Location
RG1	IP1	westus
RG1	IP2	westus
RG2	IP1	westus
RG2	IP3	westus

What is the result of the deployment? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Number of public IP addresses in West US:

	▼
1	
2	
3	
4	

Total number of public IP addresses created:

	▼
1	
2	
3	
4	

Question #7

Topic 1

**HOTSPOT -**

You have an Azure subscription that contains multiple resource groups.

You create an availability set as shown in the following exhibit.

## Create availability set

[Basics](#)   [Advanced](#)   [Tags](#)   [Review + create](#)

An Availability Set is a logical grouping capability for isolating VM resources from each other when they're deployed. Azure makes sure that the VMs you place within an Availability Set run across multiple physical servers, compute racks, storage units, and network switches. If a hardware or software failure happens, only a subset of your VMs are impacted and your overall solution stays operational. Availability Sets are essential for building reliable cloud solutions.

[Learn more about the availability sets.](#)

### Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* ⓘ

Azure Pass - Sponsorship

Resource group \* ⓘ

RG1

[Create new](#)

### Instance details

Name \* ⓘ

AS1



Region \* ⓘ

(Europe) West Europe



Fault domains ⓘ



2

Update domains ⓘ



3

Use managed disks ⓘ

No (Classic)   Yes (Aligned)

You deploy 10 virtual machines to AS1.

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

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

During planned maintenance, at least **[answer choice]** virtual machines will be available.

	▼
4	
5	
6	
8	

To add another virtual machine to AS1, the virtual machine must be added to **[answer choice]**.

any reaion and the RG1 resource group

Question #8

Topic 1

You have an Azure subscription that contains an Azure Log Analytics workspace.

You have a resource group that contains 100 virtual machines. The virtual machines run Linux.

You need to collect events from the virtual machines to the Log Analytics workspace.

Which type of data source should you configure in the workspace?

- A. Syslog
- B. Linux performance counters
- C. custom fields

Question #9

Topic 1

You have a virtual network named VNet1 as shown in the exhibit. (Click the Exhibit tab.)

Refresh Move Delete

Resource group [\(change\)](#)  
Production

Address space  
10.2.0.0/16

Location  
West US

DNS servers  
Azure provided DNS service

Subscription [\(change\)](#)  
Production subscription

Subscription ID  
14d26092-8e42-4ea7-b770-9dcef70fb1ea

Tags [\(change\)](#)  
[Click here to add tags](#)

## Connected devices

[Search connected devices](#)

DEVICE	TYPE	IP ADDRESS	SUBNET
--------	------	------------	--------

No results.

No devices are connected to VNet1.

You plan to peer VNet1 to another virtual network named VNet2. VNet2 has an address space of 10.2.0.0/16.

You need to create the peering.

What should you do first?

- A. Configure a service endpoint on VNet2.
- B. Add a gateway subnet to VNet1.
- C. Create a subnet on VNet1 and VNet2.
- D. Modify the address space of VNet1.

Question #10

Topic 1

**HOTSPOT -**

You have an Azure Resource Manager template for a virtual machine named Template1. Template1 has the following parameters section.

```
"parameters": {  
    "adminUsername": {  
        "type": "string"  
    },  
    "adminPassword": {  
        "type": "securestring"  
    },  
    "dnsLabelPrefix": {  
        "type": "string"  
    },  
    "windowsOSVersion": {  
        "type": "string",  
        "defaultValue": "2016-Datacenter",  
        "allowedValues": [  
            "2016-Datacenter",  
            "2019-Datacenter",  
        ]  
    },  
    "location": {  
        "type": "String",  
        "allowedValues": [  
            "eastus",  
            "centralus",  
            "westus" ]  
    }  
},
```

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Statements	Yes	No
When you deploy Template1, you are prompted for a resource group.	<input type="radio"/>	<input type="radio"/>
When you deploy Template1, you are prompted for the Windows operating system version.	<input type="radio"/>	<input type="radio"/>
When you deploy Template1, you are prompted for a location.	<input type="radio"/>	<input type="radio"/>

Question #11

Topic 1

You have an Azure subscription.

You have 100 Azure virtual machines.

You need to quickly identify underutilized virtual machines that can have their service tier changed to a less expensive offering.

Which blade should you use?

- A. Metrics
- B. Customer insights
- C. Monitor
- D. Advisor

Question #12

Topic 1

HOTSPOT -

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.

Hot Area:

### 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"/>

Question #13

Topic 1

HOTSPOT -

You have an Azure Resource Manager template named Template1 in the library as shown in the following exhibit.

## ARM Template

template1

```
1  {
2      "$schema": "https://schema.management.azure.com/
schemas/2015-01-01/deploymentTemplate.json#",
3      "contentVersion": "1.0.0.0",
4      "parameters": {},
5      "resources": [
6          {
7              "apiVersion": "2016-01-01",
8              "type": "Microsoft.Storage/storageAccounts",
9              "name": "[concat(copyIndex(), 'storage',
uniqueString(resourceGroup().id))]",
10             "location": "[resourceGroup().location]",
11             "sku": {
12                 "name": "Premium_LRS"
13             },
14             "kind": "Storage",
15             "properties": {},
16             "copy": {
17                 "name": "storagecopy",
18                 "count": 3,
19                 "mode": "Serial",
20                 "batchSize": 1
21             }
22         }
23     ]
24 }
25
26 }
```

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

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

During the deployment of Template1, you can specify [answer choice].

the number of resources to deploy
the name of the resources to deploy
the resource group to which to deploy the resources
the permissions for the resources that will be deployed

Template1 deploys [answer choice].

a single storage account in one resource group
three storage accounts in one resource group
three resource groups that each has one storage account
three resource groups that each has three storage accounts

Question #14

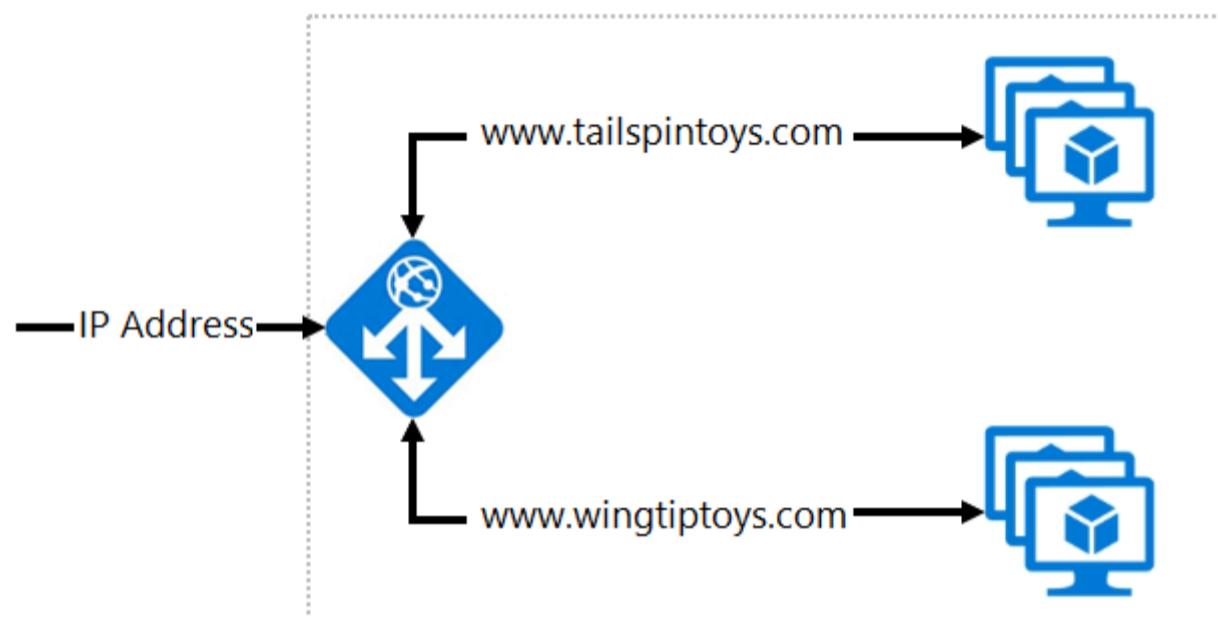
Topic 1

**HOTSPOT -**

Your company hosts multiple websites by using Azure virtual machine scale sets (VMSS) that run Internet Information Server (IIS).

All network communications must be secured by using end to end Secure Socket Layer (SSL) encryption. User sessions must be routed to the same server by using cookie-based session affinity.

The image shown depicts the network traffic flow for the websites to the VMSS.



Use the drop-down menus to select the answer choice that answers each question.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Which Azure solution should you create to route the web application traffic to the VMSS?

	▼
Azure VPN Gateway	
Azure Application Gateway	
Azure ExpressRoute	
Azure Network Watcher	

What should you configure to make sure web traffic arrives at the appropriate server in the VMSS?

	▼
Routing rules and backend listeners	
CNAME and A records	
Routing method and DNS time to live (TTL)	
Path-based redirection and WebSockets	

Question #15

Topic 1

DRAG DROP -

You have an Azure subscription that contains two virtual networks named VNet1 and VNet2. Virtual machines connect to the virtual networks.

The virtual networks have the address spaces and the subnets configured as shown in the following table.

Virtual network	Address space	Subnet	Peering
VNet1	10.1.0.0/16	10.1.0.0/24 10.1.1.0/26	VNet2
VNet2	10.2.0.0/26	10.2.0.0/24	VNet1

You need to add the address space of 10.33.0.0/16 to VNet1. The solution must ensure that the hosts on VNet1 and VNet2 can communicate.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

**Actions**

On the peering connection in VNet2, allow gateway transit.

Recreate peering between VNet1 and VNet2.

Remove VNet1.

Create a new virtual network named VNet1.

On the peering connection in VNet1, allow gateway transit.

Add the 10.33.0.0/16 address space to VNet1.

Remove peering between VNet1 and VNet2.

**Answer Area**

Question #16

Topic 1

You have an Azure App Service app.

You need to implement tracing for the app. The tracing information must include the following:

- Usage trends
- AJAX call responses
- Page load speed by browser
- Server and browser exceptions

What should you do?

- A. Configure IIS logging in Azure Log Analytics.
- B. Configure a connection monitor in Azure Network Watcher.
- C. Configure custom logs in Azure Log Analytics.
- D. Enable the Azure Application Insights site extension.

Question #17

Topic 1

**HOTSPOT -**

You have an Azure subscription named Subscription1. Subscription1 contains the resources in the following table.

Name	Type
RG1	Resource group
RG2	Resource group
VNet1	Virtual network
VNet2	Virtual network

VNet1 is in RG1. VNet2 is in RG2. There is no connectivity between VNet1 and VNet2.

An administrator named Admin1 creates an Azure virtual machine named VM1 in RG1. VM1 uses a disk named Disk1 and connects to VNet1.

Admin1 then installs a custom application in VM1.

You need to move the custom application to VNet2. The solution must minimize administrative effort.

Which two actions should you perform? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

First action:

Create a network interface in RG2.
Detach a network interface.
Delete VM1.
Move a network interface to RG2.

Second action:

Attach a network interface.
Create a network interface in RG2.
Create a new virtual machine.
Move VM1 to RG2.

## Question #18

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

Name	Contains
storagecontoso1	A blob service and a table service
storagecontoso2	A blob service and a file service
storagecontoso3	A queue service
storagecontoso4	A file service and a queue service
storagecontoso5	A table service

You enable Storage Advanced Threat Protection (ATP) for all the storage accounts.

You need to identify which storage accounts will generate Storage ATP alerts.

Which two storage accounts should you identify? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. storagecontoso1
- B. storagecontoso2
- C. storagecontoso3
- D. storagecontoso4
- E. storagecontoso5

## Question #19

HOTSPOT -

You company has an Azure Container Registry named Registry1.

You have an Azure virtual machine named Server1 that runs Windows Server 2019.

From Server1, you create a container image named image1.

You need to add image1 to Registry1.

Which command should you run on Server1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

	▼
docker	
AzCopy	
Robocopy	
esentutl	

push

	▼
registry1.azurecr.io	
registry1.onmicrosoft.com	
https://registry1.onmicrosoft.com	
\\\\registry1.blob.core.windows.net	

/image1

Question #20

Topic 1

**HOTSPOT -**

You are developing an Azure Web App. You configure TLS mutual authentication for the web app.

You need to validate the client certificate in the web app. To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Property	Value
Client certificate location	<input type="checkbox"/> HTTP request header <input type="checkbox"/> Client cookie <input type="checkbox"/> HTTP message body <input type="checkbox"/> URL query string
Encoding type	<input type="checkbox"/> HTML <input type="checkbox"/> URL <input type="checkbox"/> Unicode <input type="checkbox"/> Base64

Question #21

Topic 1

**DRAG DROP -**

You are designing a solution to secure a company's Azure resources. The environment hosts 10 teams. Each team manages a project and has a project manager, a virtual machine (VM) operator, developers, and contractors.

Project managers must be able to manage everything except access and authentication for users. VM operators must be able to manage VMs, but not the virtual network or storage account to which they are connected. Developers and contractors must be able to manage storage accounts.

You need to recommend roles for each member.

What should you recommend? To answer, drag the appropriate roles to the correct employee types. Each role may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

**Roles**

- Owner
- Contributor
- Reader
- Virtual Machine Contributor
- Storage Account Contributor

**Answer Area**

Employee type	Role
Project manager	Role
VM operators	Role
Developers	Role
Contractors	Role

Question #22

Topic 1

You have an Azure virtual machine named VM1 and an Azure Active Directory (Azure AD) tenant named adatum.com.

VM1 has the following settings:

- IP address: 10.10.0.10
- System-assigned managed identity: On

You need to create a script that will run from within VM1 to retrieve the authentication token of VM1.

Which address should you use in the script?

- A. vm1.adatum.com.onmicrosoft.com
- B. 169.254.169.254
- C. 10.10.0.10
- D. vm1.adatum.com

Question #23

Topic 1

**HOTSPOT -**

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	<i>Not applicable</i>	4 GB	Windows Server 2016	200 GB	800 GB
VM2	<i>Not applicable</i>	12 GB	Red Hat Enterprise Linux 7.2	3 TB	200 GB
VM3	<i>Not applicable</i>	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.

Hot Area:

**Answer Area**

The virtual machines that can be migrated from Server1:

<input type="checkbox"/>
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:

<input type="checkbox"/>
VMA only
VMB only
VMC only
VMA and VMB only
VMA and VMC only
VMA, VMB, and VMC

## Question #24

Topic 1

You are designing an Azure solution.

The solution must meet the following requirements:

- Distribute traffic to different pools of dedicated virtual machines (VMs) based on rules.
- Provide SSL offloading capabilities.

You need to recommend a solution to distribute network traffic.

Which technology should you recommend?

- A. Azure Application Gateway
- B. Azure Load Balancer
- C. Azure Traffic Manager
- D. server-level firewall rules

## Question #25

Topic 1

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

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

You manage an Active Directory domain named contoso.local.

You install Azure AD Connect and connect to an Azure Active Directory (Azure AD) tenant named contoso.com without syncing any accounts.

You need to ensure that only users who have a UPN suffix of contoso.com in the contoso.local domain sync to Azure AD.

Solution: You use Azure AD Connect to customize the synchronization options.

Does this meet the goal?

- A. Yes
- B. No

## Question #26

Topic 1

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.

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You manage an Active Directory domain named contoso.local.

You install Azure AD Connect and connect to an Azure Active Directory (Azure AD) tenant named contoso.com without syncing any accounts.

You need to ensure that only users who have a UPN suffix of contoso.com in the contoso.local domain sync to Azure AD.

Solution: You use Synchronization Rules Editor to create a synchronization rule.

Does this meet the goal?

- A. Yes
- B. No

## Question #27

*Topic 1*

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You manage an Active Directory domain named contoso.local.

You install Azure AD Connect and connect to an Azure Active Directory (Azure AD) tenant named contoso.com without syncing any accounts.

You need to ensure that only users who have a UPN suffix of contoso.com in the contoso.local domain sync to Azure AD.

Solution: You use the Synchronization Service Manager to modify the Active Directory Domain Services (AD DS) Connector.

Does this meet the goal?

A. Yes

B. No

## Question #28

*Topic 1*

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

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

You have an app named App1 that uses data from two on-premises Microsoft SQL Server databases named DB1 and DB2.

You plan to move DB1 and DB2 to Azure.

You need to implement Azure services to host DB1 and DB2. The solution must support server-side transactions across DB1 and DB2.

Solution: You deploy DB1 and DB2 to SQL Server on an Azure virtual machine.

Does this meet the goal?

A. Yes

B. No

## Question #29

## Topic 1

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have an Azure Cosmos DB database that contains a container named Container1. The partition key for Container1 is set to /day. Container1 contains the items shown in the following table.

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

You need to programmatically query Azure Cosmos DB and retrieve Item1 and Item2 only.

Solution: You run the following query.

SELECT id FROM c -  
WHERE c.day = "Mon" OR c.day = "Tue"  
You set the EnableCrossPartitionQuery property to False.  
Does this meet the goal?

A. Yes

B. No

## Question #30

## Topic 1

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have an Azure Cosmos DB database that contains a container named Container1. The partition key for Container1 is set to /day. Container1 contains the items shown in the following table.

Name	Content
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Item3	{ "id": "3", "day": "Tue", "value": "10" }
Item4	{ "id": "4", "day": "Wed", "value": "15" }

You need to programmatically query Azure Cosmos DB and retrieve Item1 and Item2 only.

Solution: You run the following query.

```
SELECT day FROM c -  
WHERE c.value = "10" OR c.value = "15"  
You set the EnableCrossPartitionQuery property to True.  
Does this meet the goal?
```

A. Yes

B. No

## Question #31

Topic 1

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have an Azure Cosmos DB database that contains a container named Container1. The partition key for Container1 is set to /day. Container1 contains the items shown in the following table.

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

You need to programmatically query Azure Cosmos DB and retrieve Item1 and Item2 only.

Solution: You run the following query.

```
SELECT id FROM c
WHERE c.day = "Mon"
```

You set the EnableCrossPartitionQuery property to True.

Does this meet the goal?

- A. Yes
- B. No

## Question #32

Topic 1

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You manage an Active Directory domain named contoso.local.

You install Azure AD Connect and connect to an Azure Active Directory (Azure AD) tenant named contoso.com without syncing any accounts.

You need to ensure that only users who have a UPN suffix of contoso.com in the contoso.local domain sync to Azure AD.

Solution: You use the Synchronization Service Manager to modify the Metaverse Designer tab.

Does this meet the goal?

- A. Yes
- B. No

Question #33

Topic 1

**HOTSPOT -**

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.

Hot Area:

**Answer Area**

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)

Question #34

Topic 1

You create a container image named Image1 on a developer workstation.

You plan to create an Azure Web App for Containers named WebAppContainer that will use Image1.

You need to upload Image1 to Azure. The solution must ensure that WebAppContainer can use Image1.

To which storage type should you upload Image1?

- A. an Azure Storage account that contains a blob container
- B. Azure Container Instances
- C. Azure Container Registry
- D. an Azure Storage account that contains a file share

## Question #35

## Topic 1

You have an Azure Service Bus and two clients named Client1 and Client2.

You create a Service Bus queue named Queue1 as shown in the exhibit. (Click the Exhibit tab.)

**Create queue** X

Service Bus

Name\* !  
 ✓

Max queue size

Message time to live !  
Days Hours Minutes Seconds

Lock duration !  
Days Hours Minutes Seconds

Enable duplicate detection !

Duplicate detection window !  
Days Hours Minutes Seconds

Enable dead lettering on message expiration !

Enable sessions !

Client1 send messages to Queue1 as shown in the following table.

Time hh:mm:ss	Message
12:01:01	M3
12:01:02	M2
12:01:03	M1
12:01:04	M3

Client2 reads the messages from Queue1 at 12:01:05.

How will the messages be presented to Client2?

- A. Client2 will read three messages in the following order: M1, M2, and then M3.
- B. Client2 will read three messages in the following order: M3, M1, and then M2.
- C. Client2 will read four messages in the following order: M3, M1, M2 and then M3.
- D. Client2 will read four messages in the following order: M3, M2, M1 and then M3.

Question #36

Topic 1

You have an Azure Cosmos DB account named Account1. Account1 includes a database named DB1 that contains a container named Container1. 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. Implement the Azure Cosmos DB.NET.SDK.
- D. Regenerate the keys for Account1.

Question #37

Topic 1

HOTSPOT -

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

Name	Region	In resource group
Sql1	West US	RG1
Sql2	West US	RG1

The subscription contains the elastic pools shown in the following table.

Name	On Azure SQL server
Pool1	Sql1
Pool2	Sql1
Pool3	Sql2

The subscription contains the Azure SQL databases shown in the following table.

Name	On Azure SQL server	Pool
DB1	Sql1	Pool1
DB2	Sql1	Pool2
DB3	Sql1	None

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

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

### Statements

### Yes

### No

DB1 can be removed from Pool1 and added to Pool2.

DB2 can be removed from Pool2 and added to Pool3.

DB3 can be added to Pool1.

Question #38

Topic 1

**HOTSPOT -**

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

Name	Kind	Performance tier	Replication	Location
storage1	StorageV2	Premium	Locally-redundant storage (LRS)	East US
storage2	Storage	Standard	Geo-redundant storage (GRS)	UK West
storage3	BlobStorage	Standard	Locally-redundant storage (LRS)	North Europe

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Statements	Yes	No
storage1 can host Azure file shares.	<input type="radio"/>	<input type="radio"/>
There are six copies of the data in storage2.	<input type="radio"/>	<input type="radio"/>
storage3 can be converted to a GRS account.	<input type="radio"/>	<input type="radio"/>

Question #39

Topic 1

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 the Azure Portal, for which blade can you view the template that was used for the deployment?

- A. container1
- B. VM1
- C. RG1
- D. storage2

## Question #40

*Topic 1*

You have an Azure subscription that contains a resource group named RG1. RG1 contains multiple resources.

You need to trigger an alert when the resources in RG1 consume \$1,000 USD.

What should you do?

- A. From Cost Management + Billing, add a cloud connector.
- B. From the subscription, create an event subscription.
- C. From Cost Management + Billing, create a budget.
- D. From RG1, create an event subscription.

Question #41

HOTSPOT -

You create a virtual machine scale set named Scale1. Scale1 is configured as shown in the following exhibit.

### Create a virtual machine scale set

Basics Disks Networking **Scaling** Management Health Advanced ...

An Azure virtual machine scale set can automatically increase or decrease the number of VM instances that run your application. This automated and elastic behavior reduces the management overhead to monitor and optimize the performance of your application. [Learn more about VMSS scaling](#)

#### Instance

Initial instance count \* ⓘ

4



#### Scaling

Scaling policy ⓘ

Manual  Custom

Minimum number of VMs \* ⓘ

2

Maximum number of VMs \* ⓘ

20



#### Scale out

CPU threshold (%) \* ⓘ

80

Duration in minutes \* ⓘ

5

Number of VMs to increase by \* ⓘ

2



#### Scale in

CPU threshold (%) \* ⓘ

30

Number of VMs to decrease by \* ⓘ

4

#### Diagnostic logs

Collect diagnostic logs from Autoscale ⓘ  Disabled  Enabled

**Review + create**

< Previous

Next : Management >

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

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

If Scale1 is utilized at 85 percent for six minutes after it is deployed, Scale1 will be running

▼

2 virtual machines
4 virtual machines
6 virtual machines
10 virtual machines
20 virtual machines

If Scale1 is first utilized at 25 percent for six minutes after it is deployed, and then utilized at 50 percent for six minutes, Scale1 will be running

▼

2 virtual machines
4 virtual machines
6 virtual machines
10 virtual machines
20 virtual machines

Question #42 *Topic 1*

You plan to automate the deployment of a virtual machine scale set that uses the Windows Server 2016 Datacenter image.

You need to ensure that when the scale set virtual machines are provisioned, they have web server components installed.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Upload a configuration script.
- B. Create an Azure policy.
- C. Modify the extensionProfile section of the Azure Resource Manager template.
- D. Create a new virtual machine scale set in the Azure portal.
- E. Create an automation account.

Question #43

Topic 1

**HOTSPOT -**

You have several Azure virtual machines on a virtual network named VNet1. Vnet1 has two subnets that have 10.2.0.0/24 and 10.2.9.0/24 address spaces.

You configure an Azure Storage account as shown in the following exhibit.

The screenshot shows the Azure Storage account 'contoso' configuration page. The left sidebar lists various options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Events, Storage Explorer (preview), Settings (with sub-options like Access keys, Configuration, Encryption, Shared access signature, and Firewalls and virtual networks), Properties, Locks, and Automation script. The 'Firewalls and virtual networks' option is highlighted with a red box. The main pane shows the 'Virtual networks' section where 'VNet1' is selected, showing subnet 1 with address range 10.2.0.0/16 and endpoint status Enabled. Below this is the 'Firewall' section, which includes an 'ADDRESS RANGE' input field and an 'Exceptions' section with three checkboxes: 'Allow trusted Microsoft services to access this storage account', 'Allow read access to storage logging from any network', and 'Allow read access to storage metrics from any network'. There are also 'Save' and 'Discard' buttons at the top right.

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

The virtual machines on the 10.2.9.0/24 subnet will have network connectivity to the file shares in the storage account

▼
always
during a backup
never

Azure Backup will be able to back up the unmanaged hard disks of the virtual machines in the storage account

▼
always
during a backup
never

Question #44

Topic 1

**HOTSPOT -**

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

Section1.

```
{  
    "$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 statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

**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"/>

Question #45

Topic 1

**DRAG DROP -**

You have virtual machines (VMs) that run a mission-critical application.

You need to ensure that the VMs never experience down time.

What should you recommend? To answer, drag the appropriate solutions to the correct scenarios. Each solution may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point

Select and Place:

**Answer Area**

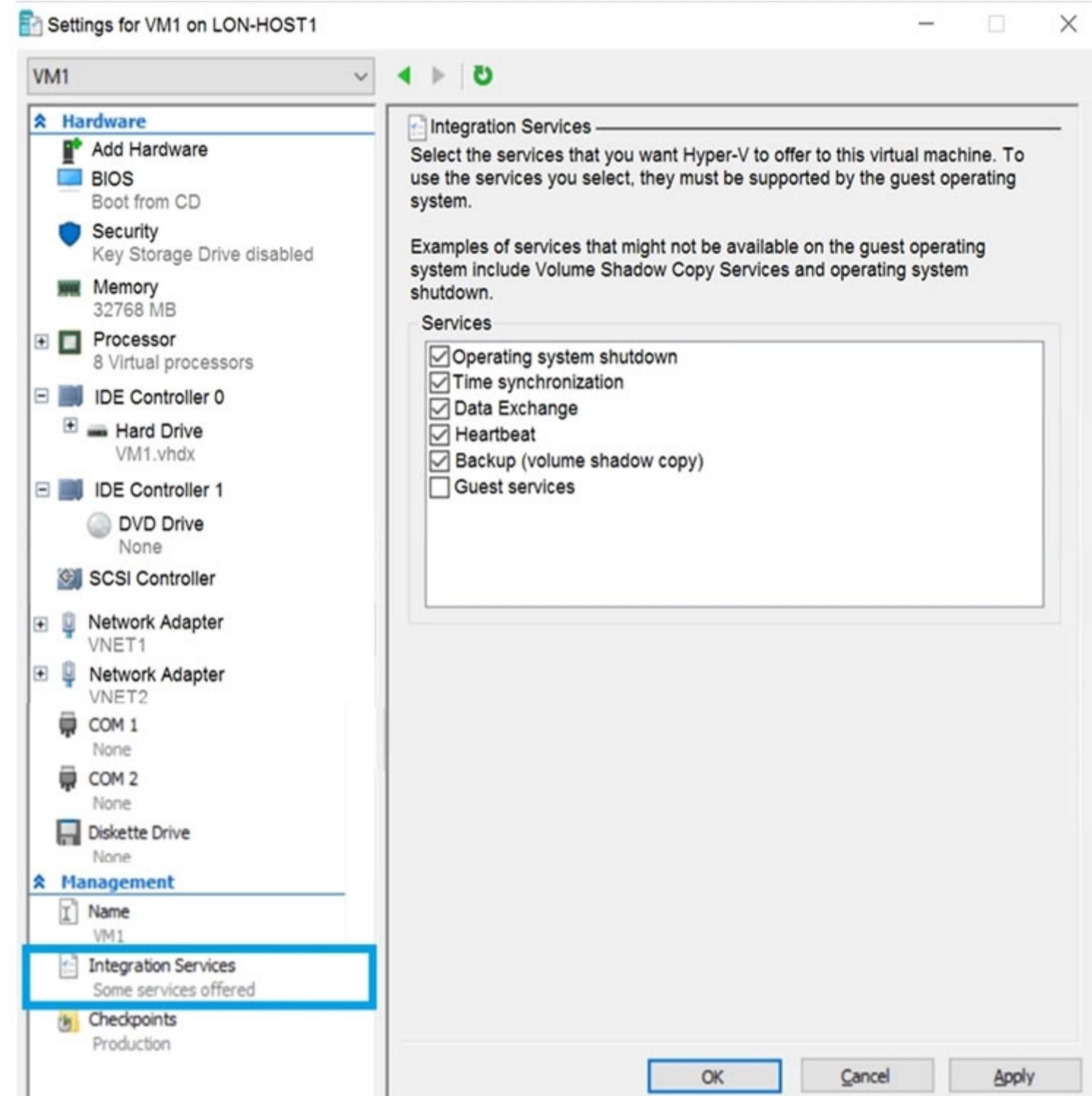
Solutions	Scenario	Solution
Fault Domain	Maintain application performance across identical VMs.	<input type="text"/>
Availability Zone	Maintain application availability when an Azure datacenter fails.	<input type="text"/>
Availability Set	Maintain application performance across different VMs.	<input type="text"/>
Scale Sets		

Question #46

Topic 1

You have an Azure subscription.

You have an on-premises virtual machine named VM1. The settings for VM1 are shown in the exhibit. (Click the Exhibit tab.)



You need to ensure that you can use the disks attached to VM1 as a template for Azure virtual machines.

What should you modify on VM1?

- A. the memory
- B. Integration Services
- C. the hard drive
- D. the network adapters

## Question #47

Your company has an office in Seattle.

You have an Azure subscription that contains a virtual network named VNET1.

You create a site-to-site VPN between the Seattle office and VNET1.

VNET1 contains the subnets shown in the following table.

Name	IP address space
Subnet1	10.1.1.0/24
GatewaySubnet	10.1.200.0/28

You need to route all Internet-bound traffic from Subnet1 to the Seattle office.

What should you create?

- A. a route for GatewaySubnet that uses the virtual network gateway as the next hop
- B. a route for Subnet1 that uses the local network gateway as the next hop
- C. a route for Subnet1 that uses the virtual network gateway as the next hop
- D. a route for GatewaySubnet that uses the local network gateway as the next hop

## Question #48

HOTSPOT -

You have Azure Storage accounts as shown in the following exhibit.

The screenshot shows the Azure Storage accounts blade. At the top, there's a header bar with 'Home > Storage accounts' and a title 'Storage accounts Contoso'. Below the header are buttons for '+ Add', 'Edit columns', 'Refresh', 'Assign Tags', and 'Delete'. A message says 'Subscription: All 2 selected - Don't see a subscription? Switch directories'. Below these are filter dropdowns for 'Filter by home...', 'All subscriptions', 'All resource groups', 'All types', 'All locations', and 'No grouping'. A section titled '3 items' lists three storage accounts:

NAME	TYPE	KIND	RESOURCE...	LOCATION	SUBSCRIPTION	ACCESS...	REPLICAT...
storageaccount1	Storage account	Storage	ContosoRG1	East US	Subscription 1	-	Read-access ge...
storageaccount2	Storage account	StorageV2	ContosoRG1	Central US	Subscription 1	Hot	Geo-redundant...
storageaccount3	Storage account	BlobStorage	ContosoRG1	East US	Subscription 1	Hot	Locally-redundant...

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

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

You can use [answer choice] for Azure Table Storage.

storageaccount1 only  
storageaccount2 only  
storageaccount3 only  
storageaccount1 and storageaccount2 only  
storageaccount2 and storageaccount3 only

You can use [answer choice] for Azure Blob storage.

storageaccount3 only  
storageaccount2 and storageaccount3 only  
storageaccount1 and storageaccount3 only  
all the storage accounts

## Question #49

*Topic 1*

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 the VM1 blade, configure Connection troubleshoot.
- B. From Diagnostic settings for VM1, configure the performance counters to include network counters.
- 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.

## Question #50

*Topic 1*

You have an Azure subscription named Subscription1 that contains an Azure virtual network named VNet1. VNet1 connects to your on-premises network by using

Azure ExpressRoute.

You need to connect VNet1 to the on-premises network by using a site-to-site VPN. The solution must minimize cost.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Create a gateway subnet.
- B. Create a VPN gateway that uses the VpnGw1 SKU.
- C. Create a connection.
- D. Create a local site VPN gateway.
- E. Create a VPN gateway that uses the Basic SKU.

## Question #51

*Topic 1*

Your network contains an on-premises Active Directory domain named contoso.com. The domain contains the users shown in the following table.

Name	Member of
User1	Domain Admins
User2	Domain Users
User3	ADSyncAdmins
User4	Account Operators

You plan to install Azure AD Connect and enable SSO.

You need to specify which user to use to enable SSO. The solution must use the principle of least privilege.

Which user should you specify?

- A. User3
- B. User2
- C. User1
- D. User4

Question #52

Topic 1

**HOTSPOT -**

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

Name	Region
RG1	East US
RG2	West 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 availability set named AVSET1. VM3 and VM4 are in the same availability zone. 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.

Hot Area:

**Answer Area**

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"/>

## Question #53

Topic 1

A company plans to use third-party application software to perform complex data analysis processes. The software will use up to 500 identical virtual machines (VMs) based on an Azure Marketplace VM image.

You need to design the infrastructure for the third-party application server. The solution must meet the following requirements:

- The number of VMs that are running at any given point in time must change when the user workload changes.
- When a new version of the application is available in Azure Marketplace it must be deployed without causing application downtime.
- Use VM scale sets.
- Minimize the need for ongoing maintenance.

Which two technologies should you recommend? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. single placement group
- B. single storage account
- C. managed disks
- D. autoscale

## Question #54

Topic 1

You have a resource group named RG1 that contains the following:

- A virtual network that contains two subnets named Subnet1 and AzureFirewallSubnet
- An Azure Storage account named contososa1
- An Azure firewall deployed to AzureFirewallSubnet

You need to ensure that contososa1 is accessible from Subnet1 over the Azure backbone network.

What should you do?

- A. Modify the Firewalls and virtual networks settings for contososa1.
- B. Create a stored access policy for contososa1.
- C. Implement a virtual network service endpoint.
- D. Remove the Azure firewall.

## Question #55

Topic 1

You have an Azure subscription that contains 100 virtual machines.

You have a set of PowerShell scripts that validate the virtual machine environment.

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

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

NOTE: Each correct selection is worth one point.

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

Question #56

*Topic 1*

You have an Active Directory forest named contoso.com.

You install and configure Azure AD Connect to use password hash synchronization as the single sign-on (SSO) method. Staging mode is enabled.

You review the synchronization results and discover that the Synchronization Service Manager does not display any sync jobs.

You need to ensure that the synchronization completes successfully.

What should you do?

- A. Run Azure AD Connect and disable staging mode.
- B. From Synchronization Service Manager, run a full import.
- C. Run Azure AD Connect and set the SSO method to Pass-through Authentication.
- D. From Azure PowerShell, run Start-AdSyncSyncCycle ""PolicyType Initial.

Question #57

*Topic 1*

Your on-premises network contains 100 virtual machines that run Windows Server 2019.

You have an Azure subscription that contains an Azure Log Analytics workspace named Workspace1.

You need to collect errors from the Windows event logs on the virtual machines.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Create an Azure Event Grid domain.
- B. Deploy the Microsoft Monitoring Agent.
- C. Configure Windows Event Forwarding on the virtual machines.
- D. Create an Azure Sentinel workspace.
- E. Configure the Data Collection settings for Workspace1.

Question #58

*Topic 1*

You have an Azure subscription named Subscription1.

You deploy a Linux virtual machine named VM1 to Subscription1.

You need to monitor the metrics and the logs of VM1.

What should you use?

- A. Azure HDInsight
- B. Azure Analysis Services
- C. Linux Diagnostic Extension (LAD) 3.0
- D. the AzurePerformanceDiagnostics extension

Question #59

Topic 1

**HOTSPOT -**

You plan to deploy five virtual machines to a virtual network subnet.

Each virtual machine will have a public IP address and a private IP address.

Each virtual machine requires the same inbound and outbound security rules.

What is the minimum number of network interfaces and network security groups that you require? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Minimum number of network interfaces:

5
10
15
20

Minimum number of network security groups:

1
2
5
10

Question #60

Topic 1

You have an Azure subscription named Subscription1 that includes an Azure File share named share1.

You create several Azure virtual machines in Subscription1. All of the virtual machines belong to the same virtual network.

You have an on-premises Hyper-V server named Server1. Server1 hosts a virtual machine named VM1.

You plan to replicate VM1 to Azure.

You need to create additional objects in Subscription1 to support the planned deployment.

Which three objects should you create? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Hyper-V site
- B. Azure Recovery Services Vault
- C. storage account
- D. replication policy
- E. Azure Traffic Manager instance
- F. endpoint

Question #61

Topic 1

You manage an Active Directory domain named contoso.local.

You install Azure AD Connect and connect to an Azure Active Directory (Azure AD) tenant named contoso.com without syncing any accounts.

You need to ensure that only users who have a UPN suffix of contoso.com in the contoso.local domain sync to Azure AD.

What should you do?

- A. Use the Synchronization Service Manager to modify the Metaverse Designer tab.
- B. Use Azure AD Connect to customize the synchronization options.
- C. Use the Synchronization Rules Editor to create a synchronization rule.
- D. Use Synchronization Service Manager to modify the Active Directory Domain Services (AD DS) Connector.

Question #62

Topic 1

You have an Azure SQL database named DB1.

You plan to create the following four tables in DB1 by using the following code.

Table1.

```
CREATE TABLE Table1
(
    StudentId INT IDENTITY PRIMARY KEY,
    PersonId INT REFERENCES Table4 (PersonId),
    Email NVARCHAR(256)
)
```

Table2.

```
CREATE TABLE Table2
(
    StudentId INT REFERENCES Table1 (StudentId),
    CourseId INT REFERENCES Table3 (CourseId),
    Grade DECIMAL(5, 2) CHECK (Grade <= 100.00),
    Attempt TINYINT
)
```

Table3.

```
CREATE TABLE Table3
(
    CourseId INT IDENTITY PRIMARY KEY,
    Name NVARCHAR(56) NOT NULL,
    Teacher NVARCHAR(256) NOT NULL
)
```

Table4.

```
CREATE TABLE Table4
(
    PersonId INT IDENTITY PRIMARY KEY,
    FirstName NVARCHAR(128) NOT NULL,
    MiddleInitial NVARCHAR(10),
    LastName NVARCHAR(128) NOT NULL,
    DateOfBirth DATE NOT NULL
)
```

You need to identify which table must be created last.

What should you identify?

- A. Table1
- B. Table2
- C. Table3
- D. Table4

Question #63

*Topic 1*

You have an Azure Cosmos DB account named Account1. Account1 includes a database named DB1 that contains a container named Container1. 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 Azure Cosmos DB account.
- C. Implement the Azure Cosmos DB.NET.SDK.
- D. Regenerate the keys for Account1.

Question #64

*Topic 1*

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

Name	Region
RG1	West US
RG2	West US
RG3	East US

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

Name	Region	In resource group
Sql1	West US	RG1
Sql2	East US	RG2
Sql3	West US	RG3
Sql4	West US	RG1

You create an Azure SQL database named DB1 on Sql1 in an elastic pool named Pool1.

You need to create an Azure SQL database named DB2 in Pool1.

Where should you deploy DB2?

- A. Sql1
- B. Sql2
- C. Sql3
- D. Sql4

Question #65

Topic 1

**HOTSPOT -**

You deploy an Azure virtual machine scale set named VSS1 that contains 30 virtual machine instances across three zones in the same Azure region. The instances host an application named App1 that must be accessible by using HTTP and HTTPS traffic. Currently, VSS1 is inaccessible from the internet.

You need to use Azure Load Balancer to provide access to App1 across all the instances from the internet by using a single IP address.

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Minimum number of network security groups (NSGs) to create:

1
3
30

Objects to assign to the network security groups (NSGs):

1 subnet
3 subnets
30 network interfaces

Minimum number of Azure Standard Load Balancer rules to create:

1
2
3
4
6

## Question #66

*Topic 1*

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

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

You have an app named App1 that uses data from two on-premises Microsoft SQL Server databases named DB1 and DB2.

You plan to move DB1 and DB2 to Azure.

You need to implement Azure services to host DB1 and DB2. The solution must support server-side transactions across DB1 and DB2.

Solution: You deploy DB1 and DB2 as Azure SQL databases each on a different Azure SQL Database server.

Does this meet the goal?

A. Yes

B. No

## Question #67

*Topic 1*

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

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

You have an app named App1 that uses data from two on-premises Microsoft SQL Server databases named DB1 and DB2.

You plan to move DB1 and DB2 to Azure.

You need to implement Azure services to host DB1 and DB2. The solution must support server-side transactions across DB1 and DB2.

Solution: You deploy DB1 and DB2 as Azure SQL databases on the same Azure SQL Database server.

Does this meet the goal?

A. Yes

B. No

## Question #68

## Topic 1

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have an Azure Cosmos DB database that contains a container named Container1. The partition key for Container1 is set to /day. Container1 contains the items shown in the following table.

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

You need to programmatically query Azure Cosmos DB and retrieve Item1 and Item2 only.

Solution: You run the following query.

SELECT day -  
WHERE value = "10"  
You set the EnableCrossPartitionQuery property to False.  
Does this meet the goal?

A. Yes

B. No

Question #69

Topic 1

**HOTSPOT -**

You have an on-premises data center and an Azure subscription. The data center contains two VPN devices. The subscription contains an Azure virtual network named VNet1. VNet1 contains a gateway subnet.

You need to create a site-to-site VPN. The solution must ensure that if a single instance of an Azure VPN gateway fails, or a single on-premises VPN device fails, the failure will not cause an interruption that is longer than two minutes.

What is the minimum number of public IP addresses, virtual network gateways, and local network gateways required in Azure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area:**

Public IP addresses:

1
2
3
4

Virtual network gateways:

1
2
3
4

Local network gateways:

1
2
3
4

Question #70

*Topic 1*

You have an Azure subscription that contains an Azure Sentinel workspace. Sentinel is configured to monitor several Azure resources.

You need to send notification emails to resource owners when alerts or recommendations are generated for a resource.

What should you use?

- A. Logic Apps Designer
- B. Azure Security Center
- C. Azure Pipelines
- D. Azure Machine Learning Studio

## Topic 2 - Question Set 2

Question #1

*Topic 2*

You have an application named App1 that does not support Azure Active Directory (Azure AD) authentication.

You need to ensure that App1 can send messages to an Azure Service Bus queue. The solution must prevent App1 from listening to the queue.

What should you do?

- A. Configure Access control (IAM) for the Service Bus.
- B. Add a shared access policy to the queue.
- C. Modify the locks of the queue.
- D. Configure Access control (IAM) for the queue.

Question #2

*Topic 2*

An administrator plans to create a function app in Azure that will have the following settings:

- Runtime stack: .NET Core
- Operating System: Linux
- Plan type: Consumption
- Enable Application Insights: Yes

You need to ensure that you can back up the function app.

Which settings should you recommend changing before creating the function app?

- A. Runtime stack
- B. Enable Application Insights
- C. Operating System
- D. Plan type

Question #3

Topic 2

**HOTSPOT -**

You have an Azure subscription.

You plan to deploy an app that has a web front end and an application tier.

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

Internet to web tier:

- Provides URL-based routing
  - Supports connection draining
  - Prevents SQL injection attacks
- Web tier to application tier:
- Provides port forwarding
  - Supports HTTPS health probes
  - Supports an availability set as a backend pool

Which load balancing solution should you recommend for each tier? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Internet to web tier:

An Azure Application Gateway that has a web application firewall (WAF)
An internal Azure Standard Load Balancer
A public Azure Basic Load Balancer

Web tier to application tier:

An Azure Application Gateway that has a web application firewall (WAF)
An internal Azure Standard Load Balancer
A public Azure Standard Load Balancer

Question #4

Topic 2

You have 10 Azure virtual machines on a subnet named Subnet1. Subnet1 is on a virtual network named VNet1.

You plan to deploy a public Azure Standard Load Balancer named LB1 to the same Azure region as the 10 virtual machines.

You need to ensure that traffic from all the virtual machines to the internet flows through LB1. The solution must prevent the virtual machines from being accessible on the internet.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Add health probes to LB1.
- B. Add the network interfaces of the virtual machines to the backend pool of LB1.
- C. Add an inbound rule to LB1.
- D. Add an outbound rule to LB1.
- E. Associate a network security group (NSG) to Subnet1.
- F. Associate a user-defined route to Subnet1.

Question #5

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

Question #6

Topic 2

You have an Azure subscription that contains an Azure key vault named KeyVault1 and the virtual machines shown in the following table.

Name	Connected to
VM1	VNET1/Subnet1
VM2	VNET1/Subnet2

KeyVault1 has an access policy that provides several users with Create Key permissions.

You need to ensure that the users can only register secrets in KeyVault1 from VM1.

What should you do?

- A. Create a network security group (NSG) that is linked to Subnet1.
- B. Configure the Firewall and virtual networks settings for KeyVault1.
- C. Modify the access policy for KeyVault1.
- D. Configure KeyVault1 to use a hardware security module (HSM).

Question #7

Topic 2

**HOTSPOT -**

You have an Azure subscription named Subscription1 that contains a virtual network named VNet1.

You add the users in the following table.

User	Role
User1	Owner
User2	Security Admin
User3	Network Contributor

Which user can perform each configuration? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Add a subnet to VNet1:

User1 only
User3 only
User1 and User3 only
User2 and User3 only
User1, User2, and User3

Assign a user the Reader role to VNet1:

User1 only
User2 only
User3 only
User1 and User2 only
User2 and User3 only
User1, User2, and User3

Question #8

Topic 2

You have resources in three Azure regions. Each region contains two virtual machines. Each virtual machine has a public IP address assigned to its network interface and a locally installed application named App1.

You plan to implement Azure Front Door-based load balancing across all the virtual machines.

You need to ensure that App1 on the virtual machines will only accept traffic routed from Azure Front Door.

What should you implement?

- A. Azure Private Link
- B. service endpoints
- C. network security groups (NSGs) with service tags
- D. network security groups (NSGs) with application security groups

## Question #9

*Topic 2*

You have an Azure key vault named KV1.

You need to ensure that applications can use KV1 to provision certificates automatically from an external certification authority (CA).

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. From KV1, create a certificate issuer resource.
- B. Obtain the CA account credentials.
- C. Obtain the root CA certificate.
- D. From KV1, create a certificate signing request (CSR).
- E. From KV1, create a private key,

## Question #10

*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

Question #11

Topic 2

**HOTSPOT -**

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 in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

\* Name

Policy1 

**Assignments**

Users and groups  >

0 users and groups selected

Cloud apps  >

0 cloud apps selected

Conditions  >

0 conditions selected

**Access controls**

Grant  >

0 controls selected

Session  >

0 controls selected

**Enable policy**

On  Off

Question #12

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

Question #13

Topic 2

Your company has the groups shown in the following table.

Group	Number of members
Managers	10
Sales	100
Development	15

The company has an Azure subscription that contains an Azure Active Directory (Azure AD) tenant named contoso.com.

An administrator named Admin1 attempts to enable Enterprise State Roaming for all the users in the Managers group.

Admin1 reports that the options for Enterprise State Roaming are unavailable from Azure AD.

You verify that Admin1 is assigned the Global administrator role.

You need to ensure that Admin1 can enable Enterprise State Roaming.

What should you do?

- A. Assign an Azure AD Privileged Identity Management (PIM) role to Admin1.
- B. Purchase an Azure Rights Management (Azure RMS) license for each user in the Managers group.
- C. Enforce Azure Multi-Factor Authentication (MFA) for Admin1.
- D. Purchase an Azure AD Premium P1 license for each user in the Managers group.

Question #14

Topic 2

**HOTSPOT -**

You plan to implement an access review to meet the following requirements:

- The access review must be enforced until otherwise configured.
- Each user or group that has access to the Azure environment must be in the scope of the access review.
- The access review must be completed within two weeks.
- A lack of response must not cause changes in the operational environment.

An administrator creates the access review shown in the answer area.

Which two sections of the access review should you modify to meet the requirements? To answer, select the appropriate sections in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

The screenshot shows the 'Create an access review' form in the Microsoft Azure portal. The form includes fields for Review name (Quarterly), Description (empty), Start date (03/11/2020), Frequency (Quarterly), Duration (in days) (25), End (Never), Number of times (0), End date (04/10/2020), Users (Users to review: Members of a group, Scope: Everyone), and Programs (Link to program). At the bottom, there are 'Upon completion settings' with options for Auto apply results to resource (Enable) and If reviewers don't respond.

**Create an access review**

Review name \*  ✓

Description

Start date \*  ▼

Frequency  ▼

Duration (in days)\*  ▼

End \*  Never  End by Occurrences

Number of times

End date \*  ▼

**Users**

Users to review  ▼

Scope  Guest users only  Everyone

**Group**  
Select a group >

**Reviewers**

Reviewers  ▼

**Programs**

Link to program >

**Upon completion settings**

Auto apply results to resource  Enable  Disable

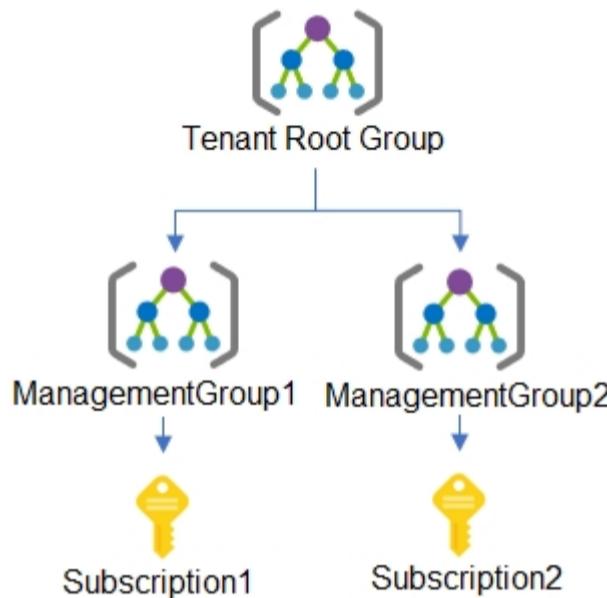
If reviewers don't respond >

Question #15

Topic 2

HOTSPOT -

You have a hierarchy of management groups and Azure subscriptions as shown in the following table.



You create the Azure resources shown in the following table.

Name	Type	Created in
RG1	Resource group	Subscription1
RG2	Resource group	Subscription2
VM2	Virtual machine	RG2

You assign roles to users as shown in the following table.

User name	Role	On resource
User1	Contributor	ManagementGroup1
User2	Contributor	ManagementGroup2
User3	Reader	Tenant Root Group

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

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Statements	Yes	No
You can remove User1 from the Contributor role for RG1.	<input type="radio"/>	<input checked="" type="radio"/>
User2 can delete VM2.	<input checked="" type="radio"/>	<input type="radio"/>
You can add User3 as a Contributor for RG1.	<input type="radio"/>	<input checked="" type="radio"/>

## Question #16

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.

**Add role assignment**

Role ⓘ  
Reader ⓘ

Assign access to ⓘ  
Azure AD user, group, or service principal

Select ⓘ  
VM

VM1

Selected members:

No members selected. Search for and add one or more members you want to assign to the role for this resource.

[Learn more about RBAC](#)

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

- A. Configure just in time (JIT) VM access on VM2.
- B. Configure Access control (IAM) on VM2.
- C. Assign a managed identity to VM2.
- D. Modify the Reader role at the subscription level.

## Question #17

Topic 2

You have an Azure Active Directory (Azure AD) tenant linked to an Azure subscription. The tenant contains a group named Admins.

You need to prevent users, except for the members of Admins, from using the Azure portal and Azure PowerShell to access the subscription.

What should you do?

- A. From Azure AD, configure the User settings.
- B. From Azure AD, create a conditional access policy.
- C. From the Azure subscription, assign an Azure policy.
- D. From the Azure subscription, configure Access control (IAM).

Question #18

Topic 2

You have Azure virtual machines deployed to three Azure regions. Each region contains a single virtual network that has four virtual machines on the same subnet. Each virtual machine runs an application named App1. App1 is accessible by using HTTPS. Currently, the virtual machines are inaccessible from the internet.

You need to use Azure Front Door to load balance requests for App1 across all the virtual machines.

Which additional Azure service should you provision?

- A. Azure Traffic Manager
- B. an internal Azure Load Balancer
- C. a public Azure Load Balancer
- D. Azure Private Link

Question #19

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. 2
- D. 1

## Question #20

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

You assign the role to a user named User1.

Which action can User1 perform?

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

Question #21

Topic 2

You have an Azure SQL database named Db1 that runs on an Azure SQL server named SQLserver1.

You need to ensure that you can use the query editor on the Azure portal to query Db1.

What should you do?

- A. Copy the ADO.NET connection string of Db1 and paste the string to the query editor.
- B. Approve private endpoint connections for SQLserver1.
- C. Modify the Advanced Data Security settings of Db1.
- D. Configure the Firewalls and virtual networks settings for SQLserver1.

Question #22

Topic 2

**DRAG DROP -**

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 grab the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

### Regions      Answer Area

Central US  
East US  
West US

VM2:   
VM2\_Interface:

Question #23

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

## Question #24

Topic 2

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

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

Subnet1 is on VNET1. VM1 connects to Subnet1.

You plan to create a virtual network gateway on VNET1.

You need to prepare the environment for the planned virtual network gateway.

What are two ways to achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Create a local network gateway.
- B. Modify the address space used by Subnet1.
- C. Create a subnet named GatewaySubnet on VNET1.
- D. Modify the address space used by VNET1.
- E. Delete Subnet1.

## Question #25

Topic 2

Your network contains an on-premises Active Directory and an Azure Active Directory (Azure AD) tenant.

You deploy Azure AD Connect and configure pass-through authentication.

Your Azure subscription contains several web apps that are accessed from the Internet.

You plan to use Azure Multi-Factor Authentication (MFA) with the Azure Active Directory tenant.

You need to recommend a solution to prevent users from being prompted for Azure MFA when they access the web apps from the on-premises network.

What should you include in the recommendation?

- A. an Azure policy
- B. trusted IPs
- C. a site-to-site VPN between the on-premises network and Azure
- D. an Azure ExpressRoute circuit

Question #26

Topic 2

**HOTSPOT -**

Your network contains an on-premises Active Directory domain named contoso.com that contains a user named User1. The domain syncs to Azure Active Directory (Azure AD).

You have the Windows 10 devices shown in the following table.

Name	Joined to
Device1	On-premises Active Directory
Device2	Azure AD
Device3	Workgroup

The User Sign-In settings are configured as shown in the following exhibit.

**PROVISION FROM ACTIVE DIRECTORY****Azure AD Connect cloud provisioning**

This feature allows you to manage provisioning from the cloud.

[Manage provisioning \(Preview\)](#)**Azure AD Connect sync**

Sync Status	Enabled
Last Sync	Less than 1 hour ago
Password Hash Sync	Enabled

**USER SIGN-IN**

Federation	Disabled	0 domains
Seamless single sign-on	Enabled	1 domain
Pass-through authentication	Disabled	0 agents

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Statements	Yes	No
When accessing the Azure portal from Device1, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input type="radio"/>
When accessing the Azure portal from Device2, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input type="radio"/>
When accessing the Azure portal from Device3, User1 will sign in automatically by using SSO.	<input type="radio"/>	<input type="radio"/>

## Question #27

Topic 2

You create a new Azure subscription. You create a resource group named RG1. In RG1, you create the resources shown in the following table.

Name	Type
VNET1	Virtual network
VM1	Virtual machine
GWSN1	Gateway subnet
VPNGW1	Virtual network gateway

You need to configure an encrypted tunnel between your on-premises network and VNET1.

Which two additional resources should you create in Azure? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. a VPN gateway
- B. a site-to-site connection
- C. a point-to-site configuration
- D. a VNet-to-VNet connection
- E. a local network gateway

## Question #28

Topic 2

You plan to create an Azure Storage account named storage1 that will store blobs and be accessed by Azure Databricks.

You need to ensure that you can set permissions for individual blobs by using Azure Active Directory (Azure AD) authentication.

Which Advanced setting should you enable for storage1?

- A. Large file shares
- B. Hierarchical namespace
- C. NFS v3
- D. Blob soft delete

Question #29

HOTSPOT -

You have an Azure subscription that includes an Azure key vault named Vault1.

You create the Azure virtual machines shown in the following table.

Name	Operating system disk type	Use managed disks
VM1	Premium SSD	No
VM2	Standard HDD	Yes
VM3	Standard SSD	Yes

You enable Azure Disk Encryption for all the virtual machines and use the ""VolumeType All parameter.

You add data disks to the virtual machines as shown in the following table.

Name	Virtual machine	Storage account type
VM1-Disk1	VM1	Premium SSD
VM2-Disk1	VM2	Standard SSD
VM3-Disk1	VM3	Standard HDD

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

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

Statements	Yes	No
VM1-Disk1 is encrypted automatically by using Azure Disk Encryption.	<input type="radio"/>	<input type="radio"/>
VM2-Disk1 is encrypted automatically by using Azure Disk Encryption.	<input type="radio"/>	<input type="radio"/>
VM3-Disk1 is encrypted automatically by using Azure Disk Encryption.	<input type="radio"/>	<input type="radio"/>

Question #30

Topic 2

You have the following Azure Active Directory (Azure AD) tenants:

- Contoso.onmicrosoft.com: Linked to a Microsoft Office 365 tenant and syncs to an Active Directory forest named contoso.com by using password hash synchronization
- Contosoazure.onmicrosoft.com: Linked to an Azure subscription named Subscription1

You need to ensure that you can assign the users in contoso.com access to the resources in Subscription1.

What should you do?

- A. Configure contoso.onmicrosoft.com to use pass-through authentication.
- B. Associate Subscription1 to contoso.onmicrosoft.com. Reassign all the roles in Subscription1.
- C. Deploy a second Azure AD Connect server and sync contoso.com to contosoazure.onmicrosoft.com.
- D. Configure the existing Azure AD Connect server to sync contoso.com to contosoazure.onmicrosoft.com.

Question #31

*Topic 2*

You have several Azure web apps that use access keys to access databases.

You plan to migrate the access keys to Azure Key Vault. Each app must authenticate by using Azure Active Directory (Azure AD) to gain access to the access keys.

What should you create in Azure to ensure that the apps can access the access keys?

- A. managed identities
- B. managed applications
- C. Azure policies
- D. an App Service plan

Question #32

*Topic 2*

You have an Azure key vault named KV1.

You need to implement a process that will digitally sign the blobs stored in Azure Storage.

What is required in KV1 to sign the blobs?

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

Question #33

*Topic 2*

You set the multi-factor authentication status for a user named admin1@contoso.com to Enabled.

Admin1 accesses the Azure portal by using a web browser.

Which additional security verifications can Admin1 use when accessing the Azure portal?

- A. a phone call, an email message that contains a verification code, and a text message that contains an app password.
- B. an app password, a text message that contains a verification code, and a verification code sent from the Microsoft Authenticator app.
- C. an app password, a text message that contains a verification code, and a notification sent from the Microsoft Authenticator app.
- D. a phone call, a text message that contains a verification code, and a notification or a verification code sent from the Microsoft Authenticator app.

Question #34

HOTSPOT -

You have an Azure Active Directory (Azure AD) tenant that contains the user groups shown in the following table.

Name	Role	Member of
User1	Global administrator	None
User2	User administrator	Group1
User3	Password administrator	Group1
User4	None	Group1

You enable self-service password reset (SSPR) for Group1.

You configure the Notifications settings as shown in the following exhibit.

Notify users on password resets? ⓘ

 Yes  No

Notify all admins when other admins reset their password? ⓘ

 Yes  No

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

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

### Statements

### Yes    No

User1 gets a notification when User3 resets her password by using SSPR.

User3 gets a notification when User3 resets her password by using SSPR.

User1 gets a notification when User2 resets the password of User4.

Question #35

Topic 2

Your company has an Azure subscription.

You enable multi-factor authentication (MFA) for all users.

The company's help desk reports an increase in calls from users who receive MFA requests while they work from the company's main office.

You need to prevent the users from receiving MFA requests when they sign in from the main office.

What should you do?

- A. From Conditional access in Azure Active Directory (Azure AD), create a named location.
- B. From the MFA service settings, create a trusted IP range.
- C. From Conditional access in Azure Active Directory (Azure AD), create a custom control.
- D. From Azure Active Directory (Azure AD), configure organizational relationships.

Question #36

Topic 2

**HOTSPOT -**

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.

Hot Area:

**Answer Area**

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

**Topic 3 - Question Set 3**

Question #1

Topic 3

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

Question #2

Topic 3

**HOTSPOT -**

A company runs multiple Windows virtual machines (VMs) in Azure.

The IT operations department wants to apply the same policies as they have for on-premises VMs to the VMs running in Azure, including domain administrator permissions and schema extensions.

You need to recommend a solution for the hybrid scenario that minimizes the amount of maintenance required.

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

**NOTE:** Each correct selection is worth one point.

Hot Area:

**Answer Area**

<b>Component</b>	<b>Action</b>
Domain	<p>Join the VMs to the existing on-premises domain.</p> <p>Join the VMs to a new domain controller VM in Azure.</p> <p>Join the VMs to Azure Active Directory Domain Services (AD DS).</p>
Connectivity	<p>Set up VPN connectivity.</p> <p>Set up HTTPS connectivity.</p> <p>Set up Azure Relay Service.</p>

Question #3

Topic 3

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

<b>Name</b>	<b>Runtime stack</b>
WebApp1	Java SE
WebApp2	Ruby 2.6
WebApp3	Python 3.7
WebApp4	ASP.NET V4.7

For which web app can you configure a WebJob?

- A. WebApp1
- B. WebApp4
- C. WebApp2
- D. WebApp3

## Question #4

Topic 3

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

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

You have 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 /Folder1/
```

You then build the container image.

Does this meet the goal?

A. Yes

B. No

## Question #5

Topic 3

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.

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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.

```
XCOPY File1.txt C:\Folder1\
```

You then build the container image.

Does this meet the goal?

A. Yes

B. No

## Question #6

Topic 3

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

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

You have 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

## Question #7

Topic 3

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

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

You have 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

## Question #8

Topic 3

HOTSPOT -

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

Name	Type	Size
ILB1	Internal load balancer	Basic
ELB1	External load balancer	Standard
AGW1	Azure Application Gateway that has web application firewall (WAF) enabled	Standard
AGW2	Azure Application Gateway	Standard_v2

You need to deploy a load-balancing solution for two Azure web apps named App1 and App2 to meet the following requirements:

- App1 must support command injection protection.
- App2 must be able to use a static IP address.
- App1 must have a Service Level Agreement (SLA) of 99.99 percent.

Which resource should you use as the load-balancing solution for each app? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

App1: 

ILB1
ELB1
AGW1
AGW2

App2: 

ILB1
ELB1
AGW1
AGW2

## Question #9

Topic 3

You have the Azure virtual networks shown in the following table.

Name	Location
VNET1	East US
VNET2	East US
VNET3	Central US

All the virtual networks are peered.

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

## Question #10

Topic 3

You have an Azure Kubernetes Service (AKS) cluster named Clus1 in a resource group named RG1.

An administrator plans to manage Clus1 from an Azure AD-joined device.

You need to ensure that the administrator can deploy the YAML application manifest file for a container application.

You install the Azure CLI on the device.

Which command should you run next?

- A. kubectl get nodes
- B. az aks get-credentials --resource-group RG1 --name Clus1
- C. az aks install-cli
- D. kubectl apply ""f app1.yaml

Question #11

Topic 3

You create an Azure Kubernetes Service (AKS) cluster configured as shown in the exhibit. (Click the Exhibit tab.)

The screenshot shows the 'Create Kubernetes cluster' wizard in the Microsoft Azure portal. The 'Review + create' tab is selected. A green banner at the top indicates 'Validation passed'. The configuration details are as follows:

Category	Setting	Value
<b>Basics</b>	Subscription	Subscription1
	Resource group	RG1
	Region	(Europe) North Europe
	Kubernetes cluster name	AKScluster1
	Kubernetes version	1.14.8
	DNS name prefix	AKScluster1-dns
	Node count	2
Node size	Standard_B2s	
<b>Scale</b>		
Virtual nodes	Disabled	
VM scale sets	Disabled	
<b>Authentication</b>		
Enable RBAC	Yes	
<b>Networking</b>		
HTTP application routing	No	
Load balancer	Standard	
Network configuration	Basic	
<b>Monitoring</b>		
Enable container monitoring	Yes	
Log Analytics workspace	Workspace852	
<b>Tags</b>		
(none)		

At the bottom, there are buttons for 'Create', '< Previous' and 'Next >', and 'Download a template for automation'.

You deploy a containerized application named App1 to the agentPool node pool.

You need to create a containerized application named App2 that runs on four nodes of size DS3 v2.

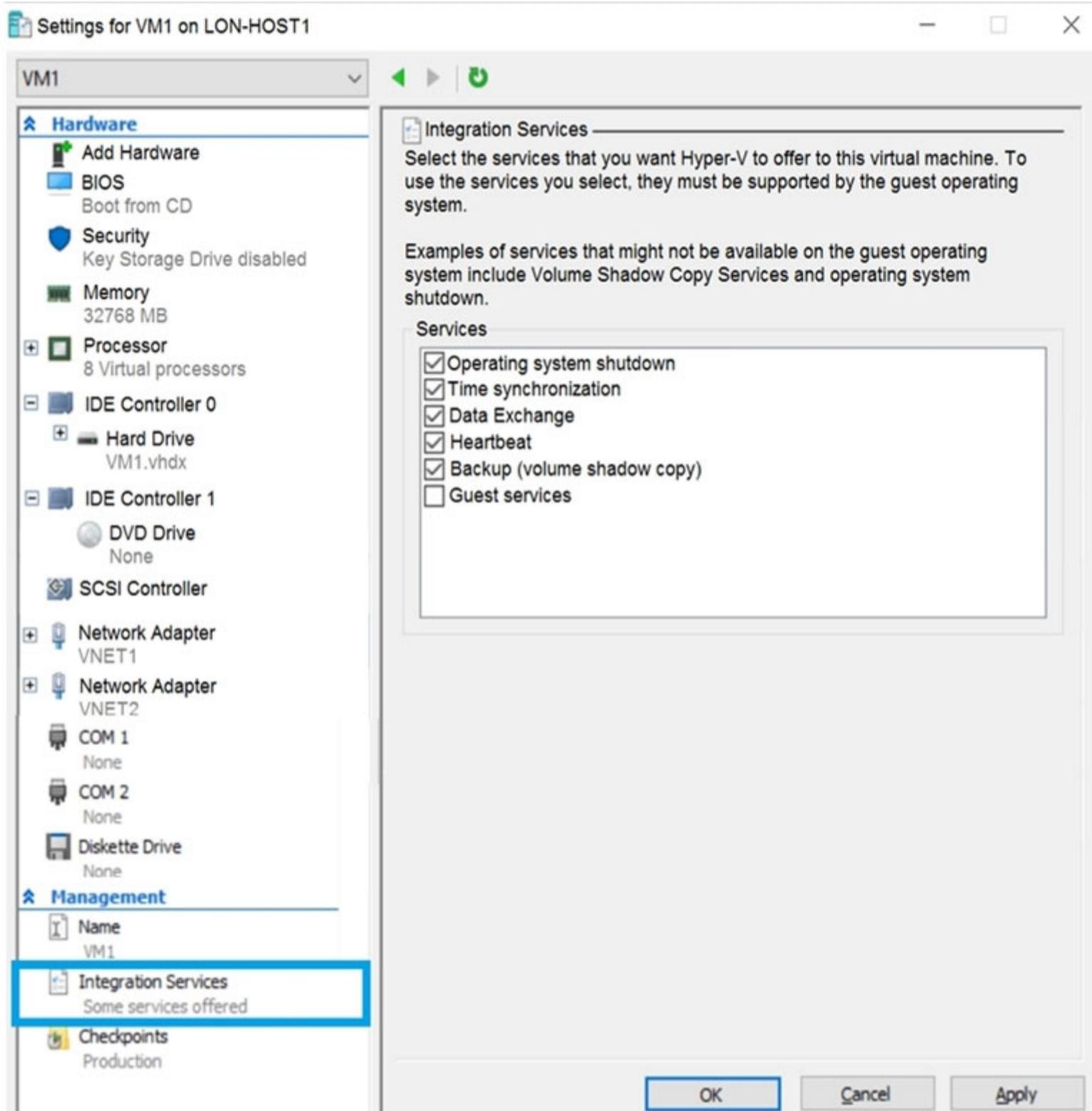
What should you do first?

- A. Upgrade the AKS cluster.
- B. Create a new node pool.
- C. Modify the autoscaling settings for the agentPool node.
- D. Enable virtual nodes for the AKS cluster.

Question #12

Topic 3

You have an on-premises virtual machine named VM1 configured as shown in the following exhibit.



VM1 is started.

You need to create a new virtual machine image in Azure from VM1.

Which three actions should you perform before you create the new image? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Run Add-AzVhd and specify a file share as the destination.
- B. Convert the disk type to VHD.
- C. Remove the Backup (volume shadow copy) integration service.
- D. Generalize VM1.
- E. Reduce the amount of memory to 16 GB.
- F. Run Add-AzVhd and specify a blob service container as the destination.

## Question #13

Topic 3

You create an Azure Kubernetes Service (AKS) cluster and an Azure Container Registry.

You need to perform continuous deployments of a containerized application to the AKS cluster as soon as the image updates in the registry.

What should you use to perform the deployments?

- A. an Azure Automation runbook
- B. a kubectl script from a CRON job
- C. an Azure Resource Manager template
- D. an Azure Pipelines release pipeline

## Question #14

Topic 3

You have an Azure web app that runs in a Premium App Service plan.

Developers plan to update the app weekly.

You need to ensure that the app can be switched from the current version to the new version. The solution must meet the following requirements:

- Provide the developers with the ability to test the app in Azure prior to switching versions. Testing must use the same app instance.
- Ensure that the app version can be rolled back.
- Minimize downtime.

What should you do?

- A. Create a deployment slot.
- B. Copy the App Service plan.
- C. Add an instance of the app to the scale set.
- D. Create an Azure Active Directory (Azure AD) enterprise application.

## Question #15

Topic 3

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

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

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

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 create an access package.

Does this meet the goal?

- A. Yes
- B. No

## Question #16

*Topic 3*

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.

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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 purchase an Azure Directory Premium P2 license for contoso.com.

Does this meet the goal?

A. Yes

B. No

## Question #17

*Topic 3*

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

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

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

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 Global administrator role to Admin1.

Does this meet the goal?

A. Yes

B. No

## Topic 4 - Question Set 4

Question #1

Topic 4

HOTSPOT -

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

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

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

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"/>

Question #2

Topic 4

Your company plans to develop an application that will use a NoSQL database. The database will be used to store transactions and customer information by using

JSON documents.

Which two Azure Cosmos DB APIs can developers use for the application? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Gremlin (graph)
- B. MongoDB
- C. Cassandra
- D. Core (SQL)
- E. Azure Table

## Question #3

The developers at your company request that you create databases in Azure Cosmos DB as shown in the following table.

Name	Requirement
CosmosDB1	<ul style="list-style-type: none"> <li>Provides a throughput of 1,200 RU/s</li> <li>Has multiple write regions</li> <li>Uses the Core (SQL) API</li> </ul>
CosmosDB2	<ul style="list-style-type: none"> <li>Provides a throughput of 800 RU/s</li> <li>Uses the MongoDB API</li> </ul>
CosmosDB3	<ul style="list-style-type: none"> <li>Provides a throughput of 1,200 RU/s</li> <li>Has only one write region</li> <li>Uses the Core (SQL) API</li> </ul>
CosmosDB4	<ul style="list-style-type: none"> <li>Provides a throughput of 2,000 RU/s</li> <li>Uses the MongoDB API</li> </ul>

You need to create the Azure Cosmos DB databases to meet the developer request. The solution must minimize costs.

What are two possible ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Create three Azure Cosmos DB accounts, one for the databases that use the Core (SQL) API, one for CosmosDB2, and one for CosmosDB4.
- B. Create two Azure Cosmos DB accounts, one for CosmosDB2 and CosmosDB4 and one for CosmosDB1 and CosmosDB3.
- C. Create one Azure Cosmos DB account for each database.
- D. Create three Azure Cosmos DB accounts, one for the databases that use the MongoDB API, one for CosmosDB1, and one for CosmosDB3.

## Question #4

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. sqlserver2, sqlserver3, sqlserver4, and sqlserver5
- D. sqlserver2 and sqlserver4 only

Question #5

Topic 4

You have two Azure SQL Database managed instances in different Azure regions.

You plan to configure the managed instances in an instance failover group.

What should you configure before you can add the managed instances to the instance failover group?

- A. an internal Azure Load Balancer instance that has managed instance endpoints in a backend pool
- B. Azure Private Link that has endpoints on two virtual networks
- C. an Azure Application Gateway that has managed instance endpoints in a backend pool
- D. a Site-to-Site VPN between the virtual networks that contain the instances

### Topic 5 - Question Set 5

Question #1

Topic 5

**HOTSPOT -**

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

Name	Type
RG1	Resource group
RG2	Resource group
VNet1	Virtual network
VNet2	Virtual network

VNet1 is in RG1. VNet2 is in RG2. There is no connectivity between VNet1 and VNet2. An administrator named Admin1 creates an Azure virtual machine VM1 in

RG1. VM1 uses a disk named Disk1 and connects to VNet1. Admin1 then installs a custom application in VM1.

You need to move the custom application to VNet2. The solution must minimize administrative effort.

Which two actions should you perform? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

#### Answer Area

First action:

	v
Create a network interface in RG2.	
Detach a network interface.	
Delete VM1.	
Move a network interface to RG2.	

Second action:

	v
Attach a network interface.	
Create a network interface in RG2.	
Create a new virtual machine.	
Move VM1 to RG2.	

## Question #2

*Topic 5*

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 the Azure Portal, for which blade can you view the template that was used for the deployment?

- A. Container1
- B. VM1
- C. Storage2
- D. RG1

## Question #3

*Topic 5*

You have two subscriptions named Subscription1 and Subscription2. Each subscription is associated to a different Azure AD tenant.

Subscription1 contains a virtual network named VNet1. VNet1 contains an Azure virtual machine named VM1 and has an IP address space of 10.0.0.0/16.

Subscription2 contains a virtual network named VNet2. VNet2 contains an Azure virtual machine named VM2 and has an IP address space of 10.10.0.0/24.

You need to connect VNet1 to VNet2.

What should you do first?

- A. Modify the IP address space of VNet2.
- B. Move VM1 to Subscription2.
- C. Provision virtual network gateways.
- D. Move VNet1 to Subscription2.

Question #4

Topic 5

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

You have an existing Azure AD conditional access policy named Policy1. Policy1 enforces the use of Azure AD-joined devices when members of the Global Administrators group authenticate to Azure AD from untrusted locations.

Administrators group authenticate to Azure AD from untrusted locations.

You need to ensure that members of the Global Administrators group will also be forced to use multi-factor authentication when authenticating from untrusted locations.

What should you do?

- A. From the Azure portal, modify session control of Policy1.
- B. From multi-factor authentication page, modify the user settings.
- C. From multi-factor authentication page, modify the service settings.
- D. From the Azure portal, modify grant control of Policy1.

Question #5

Topic 5

HOTSPOT -

You plan to deploy five virtual machines to a virtual network subnet.

Each virtual machine will have a public IP address and a private IP address.

Each virtual machine requires the same inbound and outbound security rules.

What is the minimum number of network interfaces and network security groups that you require? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

Minimum number of network interfaces:

5
10
15
20

Minimum number of network security groups:

1
2
5
10

Question #6

Topic 5

You have an Azure subscription named Subscription1 that contains an Azure virtual machine named VM1. VM1 is in a resource group named RG1. VM1 runs services that will be used to deploy resources to RG1. You need to ensure that a service running on VM1 can manage the resources in RG1 by using the identity of VM1. What should you do first?

- A. From the Azure portal, modify the Access control (IAM) settings of RG1.
- B. From the Azure portal, modify the Policies settings of RG1.
- C. From the Azure portal, modify the Access control (IAM) settings of VM1.
- D. From the Azure portal, modify the value of the Managed Service Identity option for VM1.

Question #7

Topic 5

HOTSPOT -

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

Name	Address space	Subnet name	Subnet address range
VNet1	10.1.0.0/16	Subnet1	10.1.1.0/24
VNet2	10.10.0.0/16	Subnet2	10.10.1.0/24
VNet3	172.16.0.0/16	Subnet3	172.16.1.0/24

Subscription1 contains the virtual machines in the following table:

Name	Network	Subnet	IP address
VM1	VNet1	Subnet1	10.1.1.4
VM2	VNet2	Subnet2	10.10.1.4
VM3	VNet3	Subnet3	172.16.1.4

The firewalls on all the virtual machines are configured to allow all ICMP traffic.

You add the peerings in the following table:

Virtual network	Peering network
VNet1	VNet3
VNet2	VNet3
VNet3	VNet1

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

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

### Statements

### Yes   No

VM1 can ping VM3.

VM2 can ping VM3.

VM2 can ping VM1.

Question #8

Topic 5

**HOTSPOT -**

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 in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area****\*Name****Policy1****Assignments****Users and groups****0 users and groups selected****Cloud apps****0 cloud apps selected****Conditions****0 conditions selected****Access controls****Grant****0 controls selected****Session**

Question #9

Topic 5

You configure Azure AD Connect for Azure Active Directory Seamless Single Sign-On (Azure AD Seamless SSO) for an on-premises network. Users report that when they attempt to access myapps.microsoft.com, they are prompted multiple times to sign in and are forced to use an account name that ends with onmicrosoft.com.

You discover that there is a UPN mismatch between Azure AD and the on-premises Active Directory.

You need to ensure that the users can use single-sign on (SSO) to access Azure resources.

What should you do first?

- A. From on-premises network, deploy Active Directory Federation Services (AD FS).
- B. From Azure AD, add and verify a custom domain name.
- C. From on-premises network, request a new certificate that contains the Active Directory domain name.
- D. From the server that runs Azure AD Connect, modify the filtering options.

Question #10

Topic 5

You have an Active Directory forest named contoso.com.

You install and configure Azure AD Connect to use password hash synchronization as the single sign-on(SSO) method. Staging mode is enabled.

You review the synchronization results and discover that the Synchronization Service Manager does not display any sync jobs.

You need to ensure that the synchronization completes successfully.

What should you do?

- A. From Azure PowerShell, run Start-AdSyncSyncCycle ""PolicyType Initial.
- B. Run Azure AD Connect and set the SSO method to Pass-through Authentication.
- C. From Synchronization Service Manager, run a full import.
- D. Run Azure AD Connect and disable staging mode.

Question #11

Topic 5

DRAG DROP -

You have an Azure Active Directory (Azure AD) tenant that has the initial domain name.

You have a domain name of contoso.com registered at a third-party registrar.

You need to ensure that you can create Azure AD users that have names containing a suffix of @contoso.com.

Which three actions should you perform in sequence? To answer, move the appropriate cmdlets from the list of cmdlets to the answer area and arrange them in the correct order.

Select and Place:

**Actions**

- Add an Azure AD tenant.
- Create an Azure DNS zone.
- Verify the domain.
- Configure company branding.
- Add a record to the public contoso.com DNS zone.
- Add a custom domain name.

**Answer Area**

Question #12

Topic 5

You have an Azure subscription that contains 100 virtual machines.

You regularly create and delete virtual machines.

You need to identify unattached disks that can be deleted.

What should you do?

- A. From Microsoft Azure Storage Explorer, view the Account Management properties.
- B. From Azure Cost Management, create a Cost Management report.
- C. From the Azure portal, configure the Advisor recommendations.
- D. From Azure Cost Management, open the Optimizer tab and create a report.

Question #13

*Topic 5*

You have an Azure subscription that contains 10 virtual machines.

You need to ensure that you receive an email message when any virtual machines are powered off, restarted, or deallocated.

What is the minimum number of rules and action groups that you require?

- A. three rules and three action groups
- B. one rule and one action group
- C. three rules and one action group
- D. one rule and three action groups

Question #14

*Topic 5*

You plan to automate the deployment of a virtual machine scale set that uses the Windows Server 2016 Datacenter image.

You need to ensure that when the scale set virtual machines are provisioned, they have web server components installed.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Upload a configuration script.
- B. Create an automation account.
- C. Create a new virtual machine scale set in the Azure portal.
- D. Create an Azure policy.
- E. Modify the extensionProfile section of the Azure Resource Manager template.

Question #15

*Topic 5*

You have an Azure subscription.

You have 100 Azure virtual machines.

You need to quickly identify underutilized virtual machines that can have their service tier changed to a less expensive offering.

Which blade should you use?

- A. Customer insights
- B. Monitor
- C. Advisor
- D. Metrics

## Question #16

*Topic 5*

An app uses a virtual network with two subnets. One subnet is used for the application server. The other subnet is used for a database server. A network virtual appliance (NVA) is used as a firewall.

Traffic destined for one specific address prefix is routed to the NVA and then to an on-premises database server that stores sensitive data. A Border Gateway

Protocol (BGP) route is used for the traffic to the on-premises database server.

You need to recommend a method for creating the user-defined route.

Which two options should you recommend? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. For the virtual network configuration, use a VPN.
- B. For the next hop type, use a virtual network peering.
- C. For the virtual network configuration, use Azure ExpressRoute.
- D. For the next hop type, use a virtual network gateway.

## Question #17

*Topic 5*

You manage a solution in Azure that consists of a single application which runs on a virtual machine (VM). Traffic to the application has increased dramatically.

The application must not experience any downtime and scaling must be dynamically defined.

You need to define an auto-scale strategy to ensure that the VM can handle the workload.

Which three options should you recommend? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Deploy application automatic vertical scaling.
- B. Create a VM availability set.
- C. Create a VM scale set.
- D. Deploy application automatic horizontal scaling.
- E. Deploy a custom auto-scale implementation.

Question #18

Topic 5

**DRAG DROP -**

You develop a web app that uses the tier D1 app service plan by using the Web Apps feature of Microsoft Azure App Service.

Spikes in traffic have caused increases in page load times.

You need to ensure that the web app automatically scales when CPU load is about 85 percent and minimize costs.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Select and Place:

**Actions****Answer Area**

Configure the web app to the Premium App Service tier.



Configure a Scale condition.



Configure the web app to the Standard App Service tier.

Enable autoscaling on the web app.

Add a Scale rule.

Switch to an Azure App Services consumption plan.

Question #19

Topic 5

**HOTSPOT -**

You have Azure subscription that contains a virtual network named VNet1. VNet1 uses an IP address space of 10.0.0.0/16 and contains the subnets in the following table.

Name	IP address range
Subnet0	10.0.0.0/24
Subnet1	10.0.1.0/24
Subnet2	10.0.2.0/24
GatewaySubnet	10.0.254.0/24

Subnet1 contains a virtual appliance named VM1 that operates as a router.

You create a routing table named RT1.

You need to route all inbound traffic to VNet1 through VM1.

How should you configure RT1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Address prefix:

▼

- 10.0.0.0/16
- 10.0.1.0/24
- 10.0.254.0/24

Next hop type:

▼

- Virtual appliance
- Virtual network
- Virtual network gateway

Assigned to:

▼

- GatewaySubnet
- Subnet0
- Subnet1 and Subnet2

## Question #20

*Topic 5*

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

## Question #21

*Topic 5*

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 subscription that contains 10 virtual networks. The virtual networks are hosted in separate resource groups.

Another administrator plans to create several network security groups (NSGs) in the subscription.

You need to ensure that when an NSG is created, it automatically blocks TCP port 8080 between the virtual networks.

Solution: You create a resource lock, and then you assign the lock to the subscription.

Does this meet the goal?

- A. Yes
- B. No

## Question #22

*Topic 5*

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 subscription named Subscription1. Subscription1 contains a resource group named RG1. RG1 contains resources that were deployed by using templates.

You need to view the date and time when the resources were created in RG1.

Solution: From the RG1 blade, you click Automation script.

Does this meet the goal?

- A. Yes
- B. No

## Question #23

*Topic 5*

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 subscription named Subscription1. Subscription1 contains a resource group named RG1. RG1 contains resources that were deployed by using templates.

You need to view the date and time when the resources were created in RG1.

Solution: From the Subscription blade, you select the subscription, and then click Resource providers.

Does this meet the goal?

A. Yes

B. No

## Question #24

*Topic 5*

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 subscription named Subscription1. Subscription1 contains a resource group named RG1. RG1 contains resources that were deployed by using templates.

You need to view the date and time when the resources were created in RG1.

Solution: From the RG1 blade, you click Deployments.

Does this meet the goal?

A. Yes

B. No

Question #25

Topic 5

**HOTSPOT -**

You have several Azure virtual machines on a virtual network named VNet1. VNet1 has two subnets that have 10.2.0.0/24 and 10.2.9.0/24 address spaces.

You configure an Azure Storage account as shown in the following exhibit.

The screenshot shows the Azure Storage Accounts interface for the 'contoso' storage account. The 'Firewalls and virtual networks' tab is selected. On the left, there's a sidebar with various options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Events, Storage Explorer (preview), and Settings. Under Settings, 'Encryption' and 'Firewall and virtual networks' are listed, with 'Firewall and virtual networks' being the active tab. The main pane shows a table of virtual networks and their subnets. One row is visible for 'VNet1', which contains 'Subnet 1' with an 'ADDRESS RANGE' of '10.2.0.0/16' and an 'ENDPOINT STATUS' of 'Enabled'. There are buttons for 'Save' and 'Discard'. At the top, it says 'Allow access from' with radio buttons for 'All networks' and 'Selected networks', where 'Selected networks' is selected. Below the table, there's a section for 'Firewall' with a note about adding IP ranges and a 'ADDRESS RANGE' input field. Under 'Exceptions', there are three checkboxes: 'Allow trusted Microsoft services to access this storage account', 'Allow read access to storage logging from any network', and 'Allow read access to storage metrics from any network'. The 'Allow read access to storage metrics from any network' checkbox is checked.

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

The virtual machines on the 10.2.9.0/24 subnet will have network connectivity to the file shares in the storage account [answer choice].

always
during a backup
never

Azure Backup will be able to back up the unmanaged hard disks of the virtual machines in the storage account [answer choice].

always
during a backup
never

Question #26

Topic 5

**HOTSPOT -**

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.

Hot Area:

**Answer Area****Replication:**

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

**Account type:**

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

Question #27

Topic 5

**DRAG DROP -**

You have an on-premises file server named Server1 that runs Windows Server 2016.

You have an Azure subscription that contains an Azure file share.

You deploy an Azure File Sync Storage Sync Service, and you create a sync group.

You need to synchronize files from Server1 to Azure.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

• • • •

Actions	Answer Area
Install the Azure File Sync agent on Server1.	
Add a server endpoint.	
Register Server1.	
Create a Recovery Services vault.	
Create an Azure on-premises data gateway.	
Install the DFS Replication server role on Server1.	

Question #28

Topic 5

You plan to use the Azure Import/Export service to copy files to a storage account.

Which two files should you create before you prepare the drives for the import job? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. a dataset CSV file
- B. an XML manifest file
- C. a driveset CSV file
- D. a PowerShell PS1 file
- E. a JSON configuration file

## Question #29

Topic 5

You create an Azure Storage account named contosostorage.

You plan to create a file share named data.

Users need to map a drive to the data file share from home computers that run Windows 10.

Which outbound port should you open between the home computers and the data file share?

- A. 80
- B. 443
- C. 445
- D. 3389

## Question #30

Topic 5

HOTSPOT -

You have an Azure subscription named Subscription1.

Subscription1 contains the virtual machines in the following table:

Name	IP address
VM1	10.0.1.4
VM2	10.0.2.4
VM3	10.0.3.4

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

Name	Address space	Connected virtual machine
Subnet1	10.0.1.0/24	VM1
Subnet2	10.0.2.0/24	VM2
Subnet3	10.0.3.0/24	VM3

VM3 has multiple network adapters, including a network adapter named NIC3. IP forwarding is enabled on NIC3. Routing is enabled on VM3.

You create a route table named RT1 that contains the routers in the following table.

Address prefix	Next hop type	Next hop address
10.0.1.0/24	Virtual appliance	10.0.3.4
10.0.2.0/24	Virtual appliance	10.0.3.4

You apply RT1 to Subnet1 and Subnet2.

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

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Statements	Yes	No
VM3 can establish a network connection to VM1.	<input type="radio"/>	<input type="radio"/>
If VM3 is turned off VM2 can establish a network connection to VM1.	<input type="radio"/>	<input type="radio"/>
VM1 can establish a network connection to VM2.	<input type="radio"/>	<input type="radio"/>

Question #31

Topic 5

**HOTSPOT -**

You have a virtual network named VNet1 that has the configuration shown in the following exhibit.

```
PS C:\> Get-AzureRmVirtualNetwork -Name Vnet1 -ResourceGroupName Production

Name          : VNet1
ResourceGroupName : Production
Location       : westus
Id             : /subscriptions/14d26092-8e42-4ea7-b770-9dcef70fb1ea/resourceGroups/Production/providers/Microsoft.Network/virtualNetworks/VNet1
Etag           : W/"76f7edd6-d022-455b-aeae-376059318e5d"
ResourceGuid   : 562696cc-b2ba-4cc5-9619-0a735d6c34c7
ProvisioningState : Succeeded
Tags           :
AddressSpace   : {
    "AddressPrefixes": [
        "10.2.0.0/16"
    ]
}
DhcpOptions    : {}
Subnets        : [
    {
        "Name": "default",
        "Etag": "W/"76f7edd6-d022-455b-aeae-376059318e5d"",
        "Id": "/subscriptions/14d26092-8e42-4ea7-b770-9dcef70fb1ea/resourceGroups/Production/providers/Microsoft.Network/virtualNetworks/VNet1/subnets/default"
    }
]
```

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Before a virtual machine on VNet1 can receive an IP address from 192.168.1.0/24, you must first [answer choice].

add a network interface
add a subnet
add an address space
delete a subnet
delete an address space

Before a virtual machine on VNet1 can receive an IP address from 10.2.1.0/24, you must first [answer choice].

add a network interface
add a subnet
add an address space
delete a subnet
delete an address space

Question #32

Topic 5

**HOTSPOT -**

You have an Azure subscription named Subscription1. Subscription1 contains the resources in the following table.

Name	Type
VMRG	Resource group
VNet1	Virtual network
VNet2	Virtual network
VM5	Virtual machine connected to VNet1
VM6	Virtual machine connected to VNet2

In Azure, you create a private DNS zone named adatum.com. You set the registration virtual network to VNet2. The adatum.com zone is configured is shown in the following exhibit.

The screenshot shows the configuration for the adatum.com private DNS zone. It includes basic information like Resource group (vmrg), Subscription (Azure Pass), and Subscription ID (a4fde29b-d56a-4f6c-8298-6c53cd0b720c). It also shows Name servers (Name server 1, Name server 2, Name server 3, Name server 4) which are all listed as '-' (empty). There are sections for Tags and Click here to add tags. Below this, there is a search bar for 'Search record sets' and a table of records:

NAME	TYPE	TTL	VALUE
@	SOA	3600	Email: azuredns-hostmaster.microsoft.com Host: internal.cloudapp.net Refresh: 3600 Retry: 300 Expire: 2419200 Minimum TTL: 300 Serial number: 1
vm1	A	3600	10.1.0.4
vm9	A	3600	10.1.0.12

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

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

- | Statements                                                                    | Yes                   | No                    |
|-------------------------------------------------------------------------------|-----------------------|-----------------------|
| The A record for VM5 will be registered automatically in the adatum.com zone. | <input type="radio"/> | <input type="radio"/> |
| VM5 can resolve VM9.adatum.com.                                               | <input type="radio"/> | <input type="radio"/> |
| VM6 can resolve VM9.adatum.com.                                               | <input type="radio"/> | <input type="radio"/> |

Question #33

Topic 5

You have a virtual network named VNet1 as shown in the exhibit. (Click the Exhibit tab.)

Resource group (change)  
Production

Location  
West US

Subscription (change)  
Production subscription

Subscription ID  
14d26092-8e42-4ea7-b770-9dcef70fb1ea

Tags (change)  
Click here to add tags

Connected devices

No results.

No devices are connected to VNet1.

You plan to peer VNet1 to another virtual network named VNet2 in the same region. VNet2 has an address space of 10.2.0.0/16.

You need to create the peering.

What should you do first?

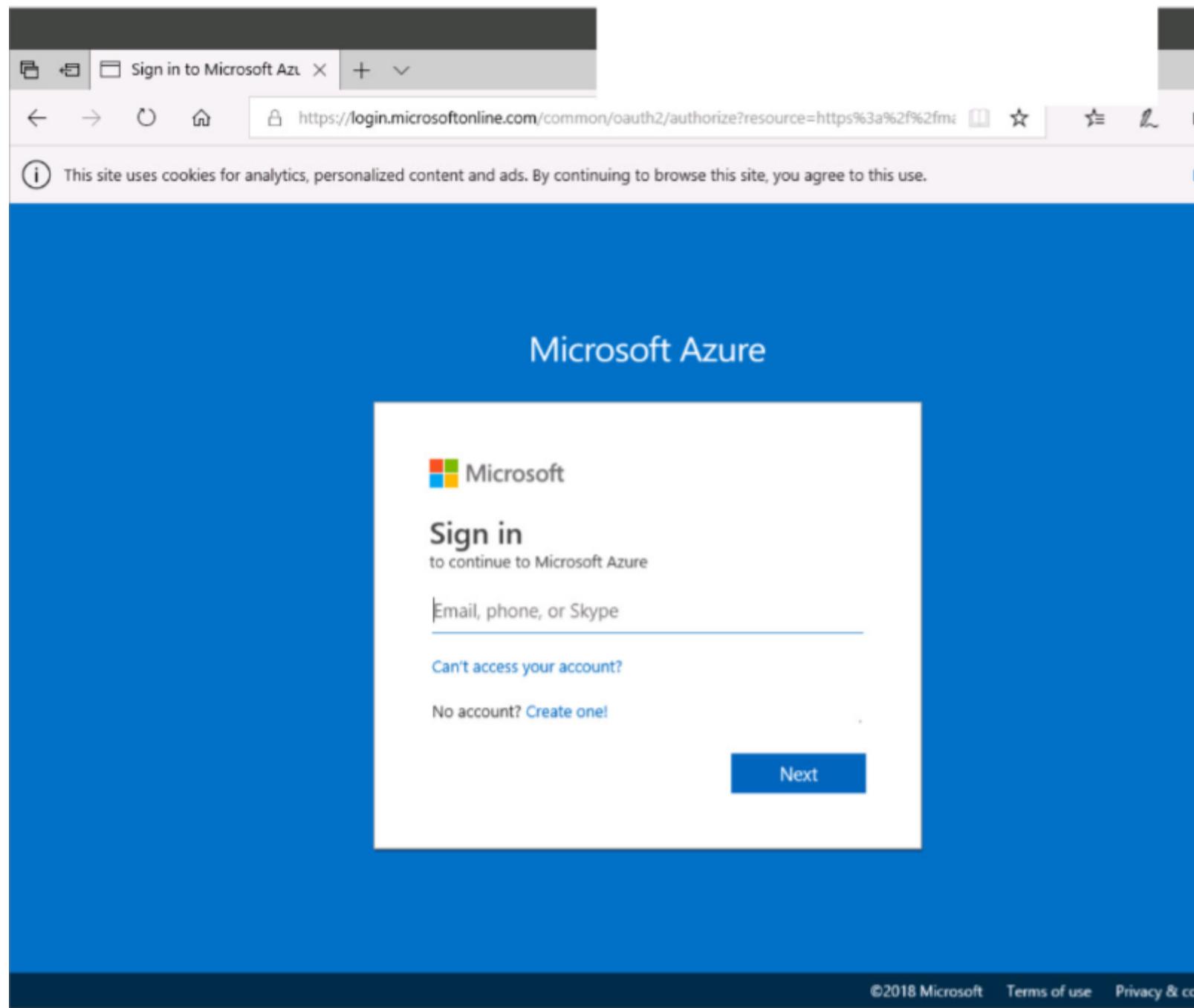
- A. Add a gateway subnet to VNet1.
- B. Create a subnet on VNet1 and VNet2
- C. Modify the address space of VNet1
- D. Configure a service endpoint on VNet2

Question #34

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. On the left, a sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., and Help & support. The main area is titled 'Dashboard' and contains a 'All resources' section with a 'Create a resource' button. To the right, there's a promotional banner for 'Azure getting started made easy!' featuring icons for various languages and frameworks like Java, Python, .NET, Node.js, and PHP, along with a 'Create DevOps Project' button. Below the banner is a 'Quickstarts + tutorials' section with five items: Windows Virtual Machines (Provision Windows Server, SQL Server, SharePoint VMs), Linux Virtual Machines (Provision Ubuntu, Red Hat, CentOS, SUSE, CoreOS VMs), App Service (Create Web Apps using .NET, Java, Node.js, Python, PHP), Functions (Process events with a serverless code architecture), and SQL Database (Manage databases, triggers, stored procedures, etc.). At the bottom of the dashboard are 'Service Health' and 'Marketplace' buttons.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Create](#)

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## Create storage account

\*\*\* Submitting deployment...

Submitting the deployment template for resource 'corpdatalod7523690'.

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Home](#) > Microsoft.StorageAccount-20181011170335 - Overview

## Microsoft.StorageAccount-20181011170335 - Overview

Deployment

Search (Ctrl+)

Delete Cancel Redeploy Refresh

Overview

Outputs

Inputs

Template

... Your deployment is underway

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.



Deployment  
name: Microsoft.StorageAccount-20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

### DEPLOYMENT DETAILS [\(Download\)](#)

Start time: 10/11/2018 5:04:06 PM

Duration: 17 seconds

Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

RESOURCE	TYPE	STATUS	OPERATI...
----------	------	--------	------------

No results.

[Home](#) > [Virtual machines](#) > Create a virtual machine

## Create a virtual machine

Validation failed. Required information is missing or not valid.

[Basics](#) • [Disks](#) [Networking](#) [Management](#) [Guest config](#) [Tags](#) [Review + create](#)

### PRODUCT DETAILS

Ubuntu Server 18.04 LTS

by Canonical

[Terms of use](#) | [Privacy policy](#)

Pricing not available for this offering

View [Pricing details](#) for more information.

Standard D2s v3

by Microsoft

[Terms of use](#) | [Privacy policy](#)

Subscription credits apply ⓘ

**0.0960 USD/hr**

[Pricing for other VM sizes](#)

### TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

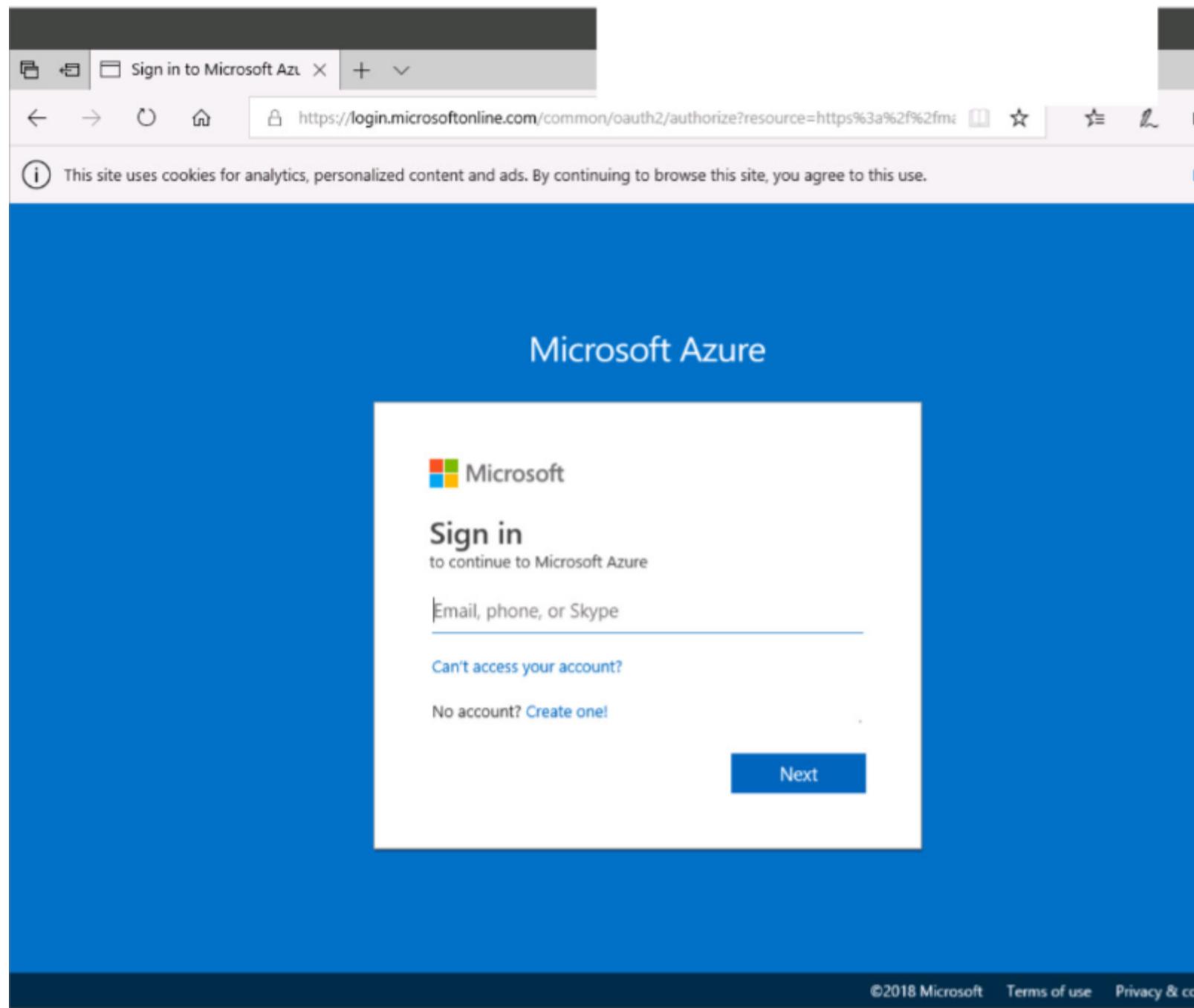
When you are finished performing all the tasks, click the "Next" button.

Question #35

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. On the left, a sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., and Help & support. The main area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks like Java, Python, .NET, Node.js, and PHP, along with a 'Create DevOps Project' button. Below this, a 'Quickstarts + tutorials' section lists five items: Windows Virtual Machines (Provision Windows Server, SQL Server, SharePoint VMs), Linux Virtual Machines (Provision Ubuntu, Red Hat, CentOS, SUSE, CoreOS VMs), App Service (Create Web Apps using .NET, Java, Node.js, Python, PHP), Functions (Process events with a serverless code architecture), and SQL Database (Manage databases, triggers, stored procedures, etc.). At the bottom of the dashboard, there are links for 'Service Health' and 'Marketplace'.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Create](#)

[Previous](#)

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## Create storage account

\*\*\* Submitting deployment...

Submitting the deployment template for resource  
'corpdatalod7523690'.

[Basics](#)   [Advanced](#)   [Tags](#)   [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

Deployment

  Delete  Cancel  Redeploy  Refresh

**Overview**

... Your deployment is underway

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

 Deployment  
name: Microsoft.StorageAccount-20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS (Download)**

Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

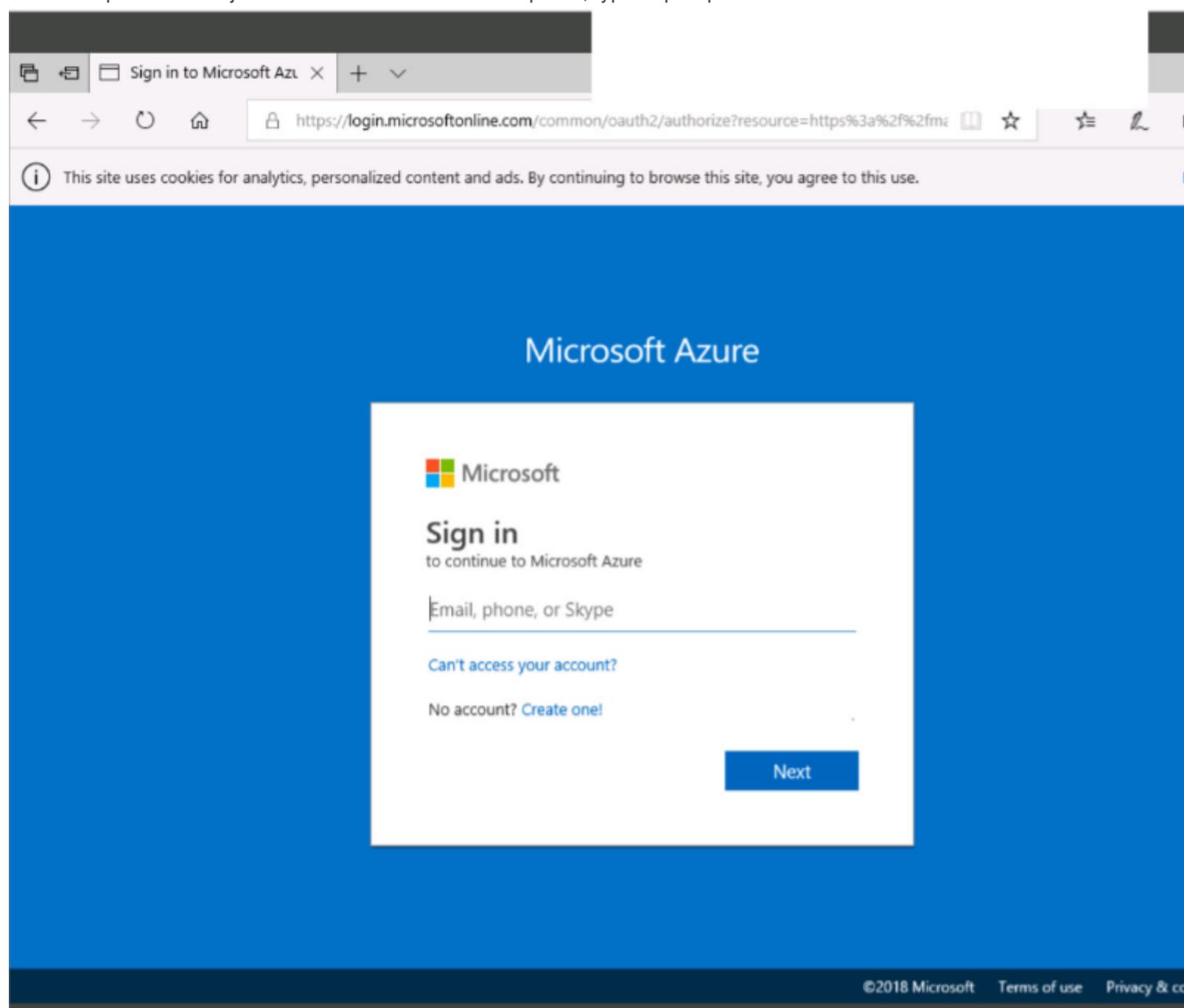
RESOURCE	TYPE	STATUS	OPERATI...
No results.			

Question #36

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. The left sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., Service Health, and Marketplace. The main content area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks (e.g., Python, Java, .NET, Node.js) and a 'Create DevOps Project' button. Below this are sections for 'Quickstarts + tutorials' with links to Windows Virtual Machines, Linux Virtual Machines, App Service, Functions, and SQL Database.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
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Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Create](#)

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## Create storage account

\*\*\* Submitting deployment...

Submitting the deployment template for resource  
'corpdatalod7523690'.

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
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Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

### Deployment

  Delete  Cancel  Redeploy  Refresh

 [Overview](#)

 [Outputs](#)

 [Inputs](#)

 [Template](#)

\*\*\* Your deployment is underway

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

 Deployment  
name: Microsoft.StorageAccount-20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS** [\(Download\)](#)

Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

RESOURCE TYPE STATUS OPERATI...

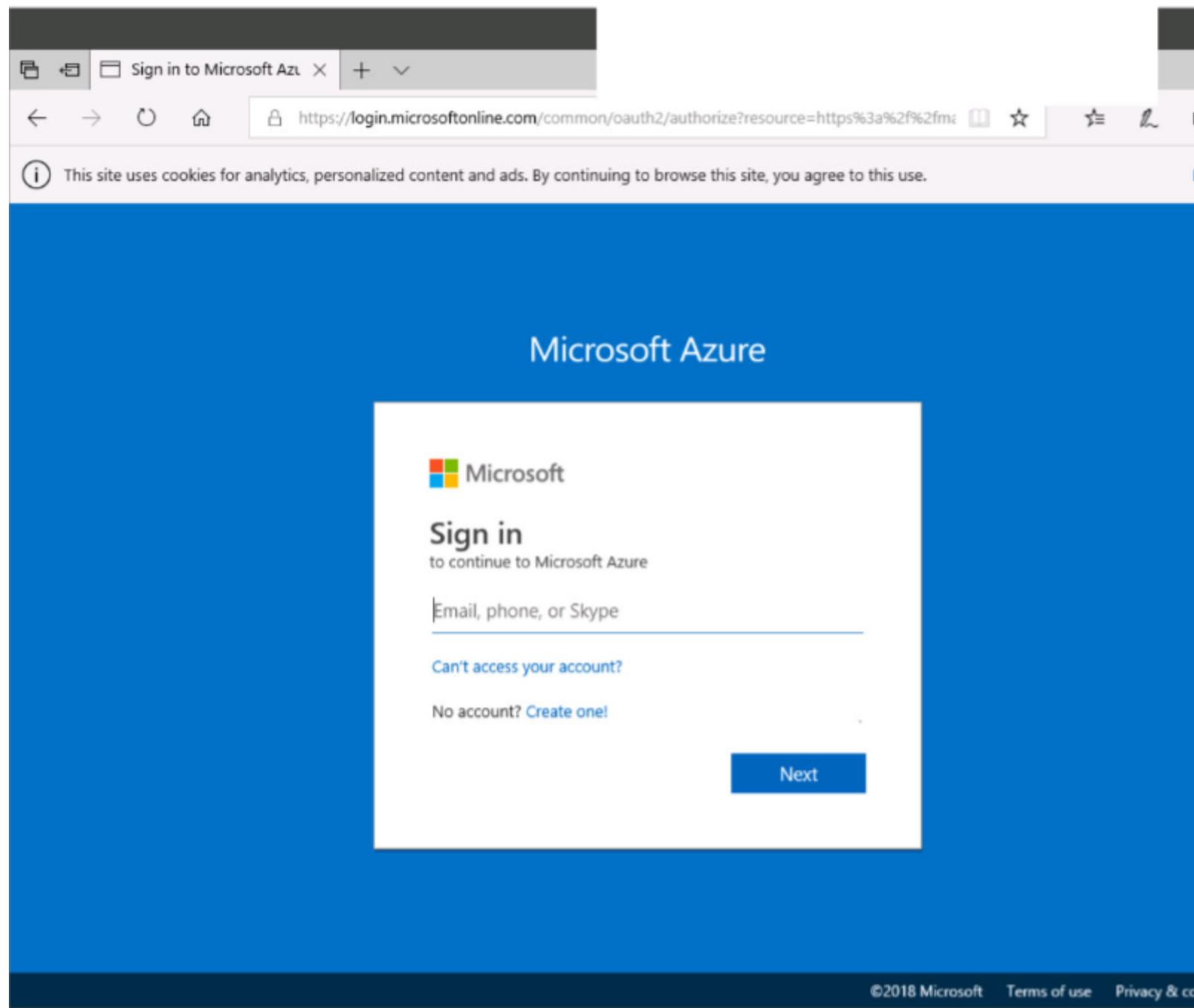
No results.

Question #37

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. The left sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., Service Health, and Marketplace. The main content area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks (e.g., Python, Java, .NET, Node.js) and a 'Create DevOps Project' button. Below this are sections for 'Quickstarts + tutorials' with links to Windows Virtual Machines, Linux Virtual Machines, App Service, Functions, and SQL Database.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Create](#)

[Previous](#)

[Next](#)

[Download a template for automation](#)

## Create storage account

\*\*\* Submitting deployment...

Submitting the deployment template for resource  
'corpdatalod7523690'.

[Basics](#)   [Advanced](#)   [Tags](#)   [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

### Deployment

  Delete  Cancel  Redeploy  Refresh

 **Overview**

 Outputs

 Inputs

 Template

\*\*\* Your deployment is underway

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

 Deployment  
name: Microsoft.StorageAccount-20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS** [\(Download\)](#)

Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

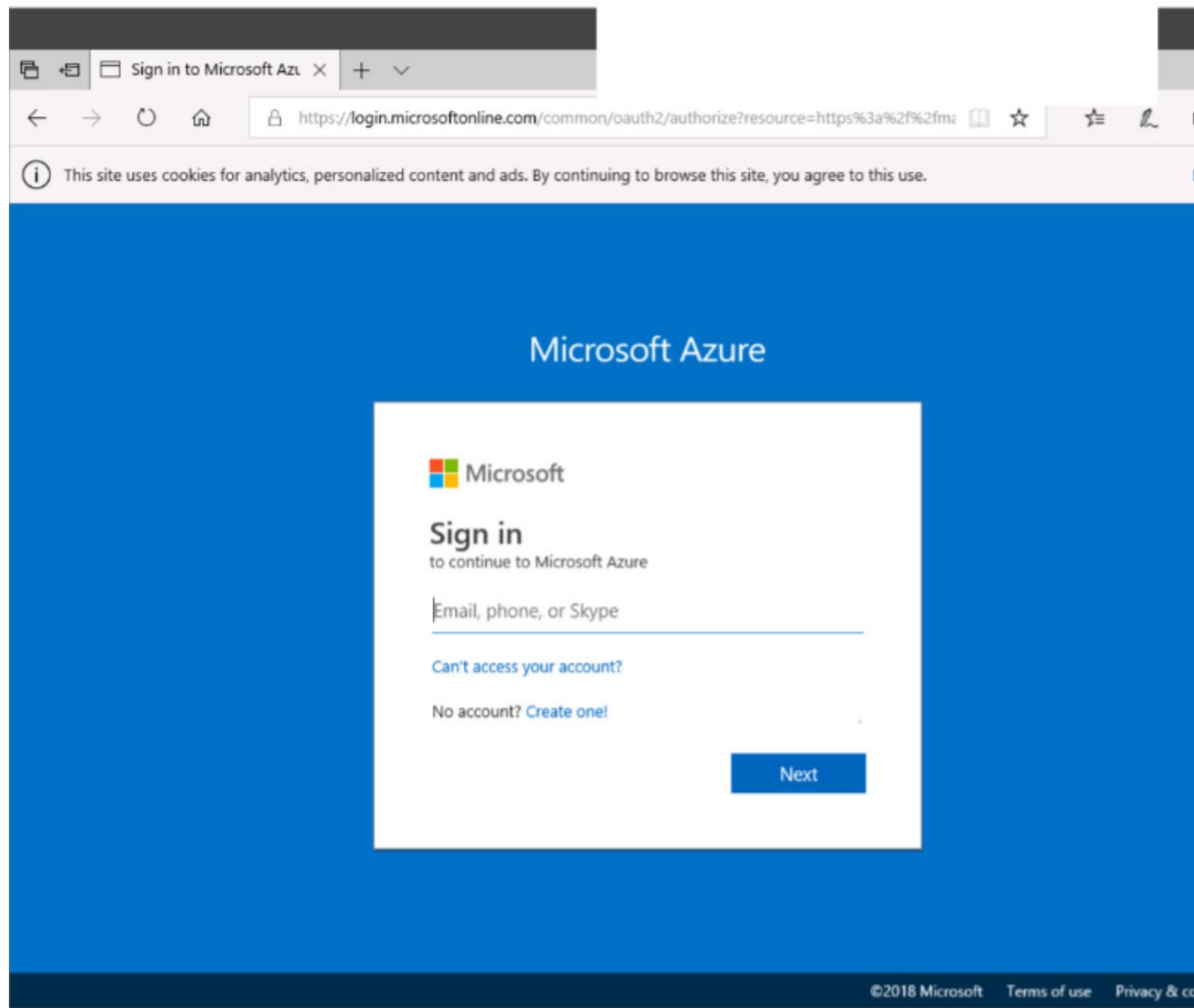
RESOURCE	TYPE	STATUS	OPERATI...
No results.			

Question #38

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. The left sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., and Help & Support. The main content area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks (e.g., Python, Java, .NET, Node.js) and a 'Create DevOps Project' button. Below this are sections for 'Quickstarts + tutorials' with links to Windows Virtual Machines, Linux Virtual Machines, App Service, Functions, and SQL Database.

- All resources
- Azure getting started made easy!
- Launch an app of your choice on Azure in a few quick steps
- Create DevOps Project
- Quickstarts + tutorials
- Windows Virtual Machines Provision Windows Server, SQL Server, SharePoint VMs
- Linux Virtual Machines Provision Ubuntu, Red Hat, CentOS, SUSE, CoreOS VMs
- App Service Create Web Apps using .NET, Java, Node.js, Python, PHP
- Functions Process events with a serverless code architecture
- SQL Database

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Create](#)

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## Create storage account

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)**BASICS**

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

**ADVANCED**

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

## Deployment

« Delete Cancel ↑ Redeploy ⟳ Refresh

[Overview](#) [Outputs](#) [Inputs](#) [Template](#)

### ... Your deployment is underway

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.



Deployment  
name: Microsoft.StorageAccount-20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS** [\(Download\)](#)

Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

RESOURCE	TYPE	STATUS	OPERATI...
----------	------	--------	------------

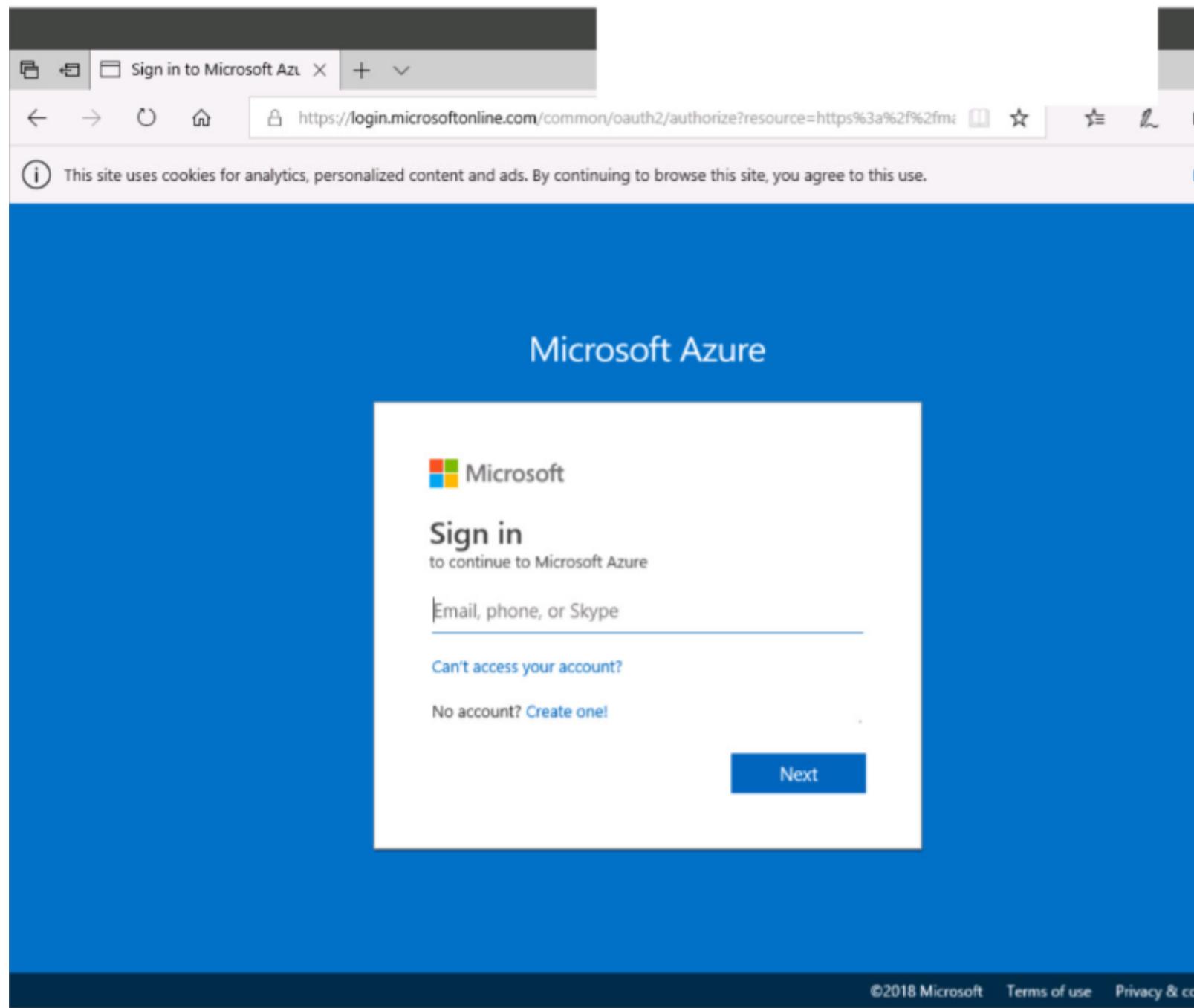
No results.

Question #39

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. On the left, a sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., and Help & support. The main area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks like Java, Python, .NET, Node.js, and PHP, along with a 'Create DevOps Project' button. Below this, a 'Quickstarts + tutorials' section lists five items: Windows Virtual Machines (Provision Windows Server, SQL Server, SharePoint VMs), Linux Virtual Machines (Provision Ubuntu, Red Hat, CentOS, SUSE, CoreOS VMs), App Service (Create Web Apps using .NET, Java, Node.js, Python, PHP), Functions (Process events with a serverless code architecture), and SQL Database (Manage databases using T-SQL, MySQL, PostgreSQL, Oracle, and MongoDB). At the bottom of the dashboard, there are links for 'Service Health' and 'Marketplace'.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Create](#)

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## Create storage account

\*\*\* Submitting deployment...

Submitting the deployment template for resource  
'corpdatalod7523690'.

[Basics](#)   [Advanced](#)   [Tags](#)   [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

Deployment

  Delete  Cancel  Redeploy  Refresh

**Overview** 

**Outputs** 

**Inputs** 

**Template** 

**... Your deployment is underway**

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

 Deployment  
name: Microsoft.StorageAccount-20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS (Download)**  
Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

RESOURCE	TYPE	STATUS	OPERATI...
No results.			

## Create a virtual machine

! Validation failed. Required information is missing or not valid.

[Basics](#) • [Disks](#) [Networking](#) [Management](#) [Guest config](#) [Tags](#) [Review + create](#)

### PRODUCT DETAILS

Ubuntu Server 18.04 LTS

by Canonical

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Standard D2s v3

by Microsoft

[Terms of use](#) | [Privacy policy](#)

Pricing not available for this offering

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Subscription credits apply ⓘ

**0.0960 USD/hr**

[Pricing for other VM sizes](#)

### TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

When you are finished performing all the tasks, click the "Next" button.

Note that you cannot return to the lab once you click the "Next" button. Scoring occurs in the background while you complete the rest of the exam.

### Overview -

The following section of the exam is a lab. In this section, you will perform a set of tasks in a live environment. While most functionality will be available to you as it would be in a live environment, some functionality (e.g., copy and paste, ability to navigate to external websites) will not be possible by design.

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Labs are not timed separately, and this exam may have more than one lab that you must complete. You can use as much time as you would like to complete each lab. But, you should manage your time appropriately to ensure that you are able to complete the lab(s) and all other sections of the exam in the time provided.

Please note that once you submit your work by clicking the Next button within a lab, you will NOT be able to return to the lab.

### To start the lab -

You may start the lab by clicking the Next button.

You plan to allow connections between the VNET01-US-EA2 and VNET01-US-WE2 virtual networks.

You need to ensure that virtual machines can communicate across both virtual networks by using their private IP address.

The solution must NOT require any virtual network gateways.

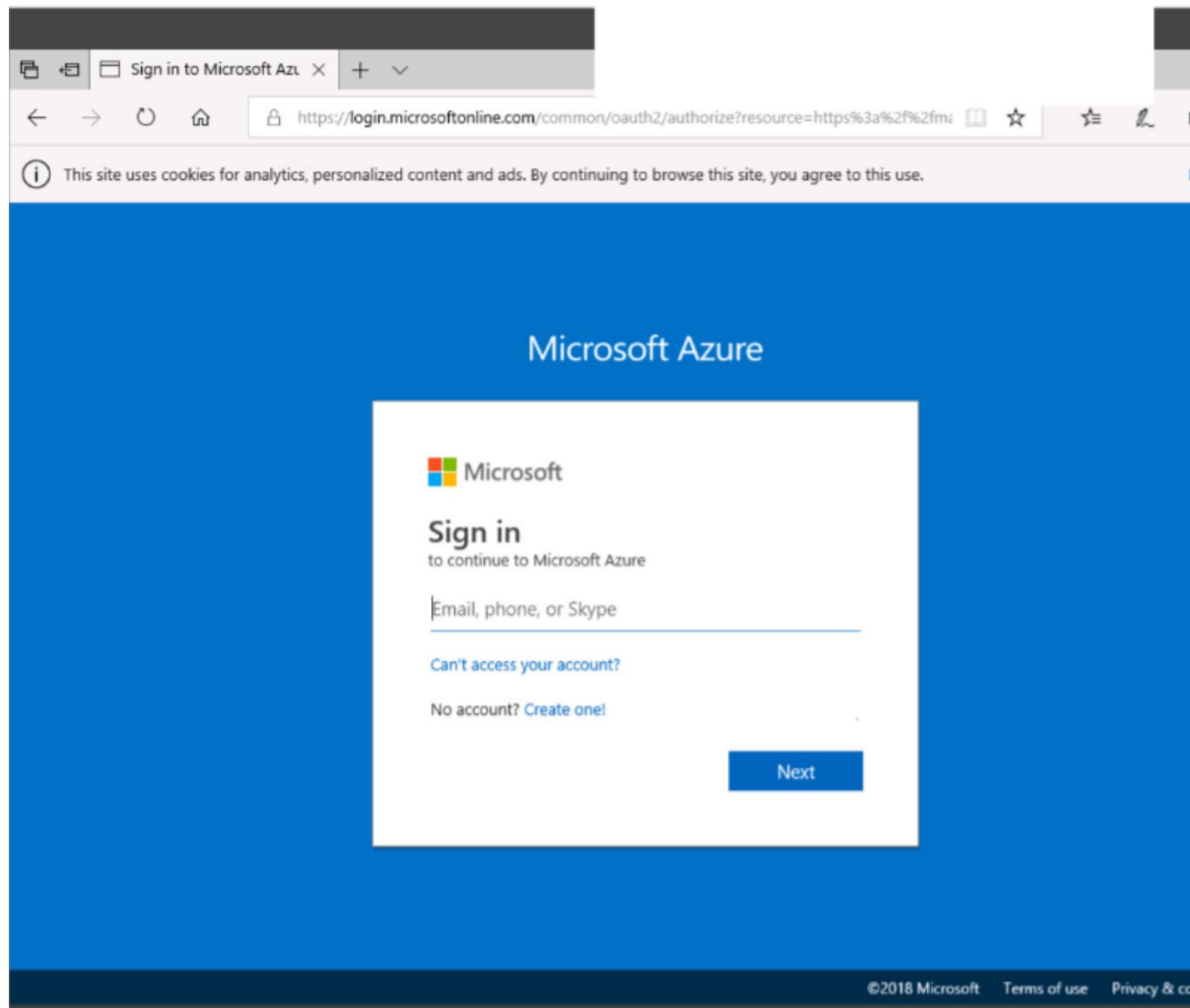
What should you do from the Azure portal?

Question #40

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. The left sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., Service Health, and Marketplace. The main content area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks (e.g., Python, Java, .NET, Node.js) and a 'Create DevOps Project' button. Below this are sections for 'Quickstarts + tutorials' with links to Windows Virtual Machines, Linux Virtual Machines, App Service, Functions, and SQL Database.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Create](#)

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[Next](#)

[Download a template for automation](#)

## Create storage account

[Basics](#)   [Advanced](#)   [Tags](#)   [Review + create](#)**BASICS**

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

**ADVANCED**

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

## Deployment

  Delete  Cancel  Redeploy  Refresh

**... Your deployment is underway**

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

 Deployment  
name: Microsoft.StorageAccount-20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS (Download)**  
Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

RESOURCE	TYPE	STATUS	OPERATI...
No results.			

## Create a virtual machine

! Validation failed. Required information is missing or not valid.

[Basics](#) • [Disks](#) [Networking](#) [Management](#) [Guest config](#) [Tags](#) [Review + create](#)

### PRODUCT DETAILS

Ubuntu Server 18.04 LTS

by Canonical

[Terms of use](#) | [Privacy policy](#)

Pricing not available for this offering

View [Pricing details](#) for more information.

Standard D2s v3

by Microsoft

[Terms of use](#) | [Privacy policy](#)

Subscription credits apply ⓘ

**0.0960 USD/hr**

[Pricing for other VM sizes](#)

### TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

When you are finished performing all the tasks, click the "Next" button.

Note that you cannot return to the lab once you click the "Next" button. Scoring occurs in the background while you complete the rest of the exam.

### Overview -

The following section of the exam is a lab. In this section, you will perform a set of tasks in a live environment. While most functionality will be available to you as it would be in a live environment, some functionality (e.g., copy and paste, ability to navigate to external websites) will not be possible by design.

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Please note that once you submit your work by clicking the Next button within a lab, you will NOT be able to return to the lab.

### To start the lab -

You may start the lab by clicking the Next button.

You plan to host several secured websites on Web01.

You need to allow HTTPS over TCP port 443 to Web01 and to prevent HTTP over TCP port 80 to Web01.

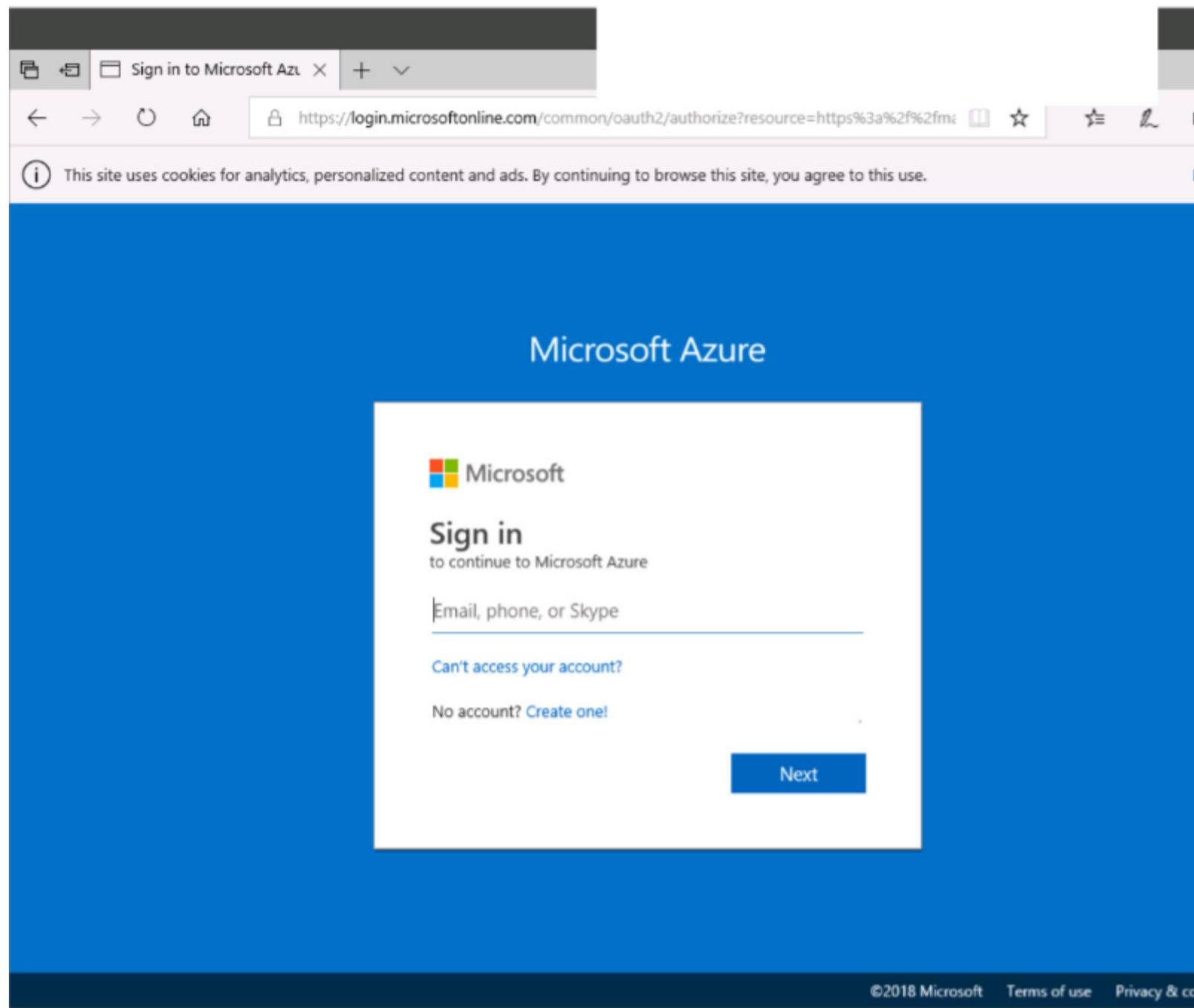
What should you do from the Azure portal?

Question #41

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. On the left, a sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., and Help & support. The main area is titled 'Dashboard' and contains a 'All resources' section with a grid of small icons representing different Azure services. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks (e.g., Python, Java, .NET, Node.js) and a 'Create DevOps Project' button. Below this, a 'Quickstarts + tutorials' section lists five items: Windows Virtual Machines (Provision Windows Server, SQL Server, SharePoint VMs), Linux Virtual Machines (Provision Ubuntu, Red Hat, CentOS, SUSE, CoreOS VMs), App Service (Create Web Apps using .NET, Java, Node.js, Python, PHP), Functions (Process events with a serverless code architecture), and SQL Database.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Create](#)

[Previous](#)

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[Download a template for automation](#)

## Create storage account

[Basics](#)   [Advanced](#)   [Tags](#)   [Review + create](#)**BASICS**

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

**ADVANCED**

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

## Deployment

Search (Ctrl+ /) Delete Cancel Redeploy Refresh

- Overview
- Outputs
- Inputs
- Template

**... Your deployment is underway**

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

**Deployment**  
 name: Microsoft.StorageAccount-20181011170335  
 Subscription: Microsoft AZ-300 5  
 Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS** (Download)

Start time: 10/11/2018 5:04:06 PM  
 Duration: 17 seconds  
 Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

RESOURCE	TYPE	STATUS	OPERATI...
No results.			

## Create a virtual machine

! Validation failed. Required information is missing or not valid.

[Basics](#) • [Disks](#) [Networking](#) [Management](#) [Guest config](#) [Tags](#) [Review + create](#)

### PRODUCT DETAILS

Ubuntu Server 18.04 LTS

by Canonical

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Standard D2s v3

by Microsoft

[Terms of use](#) | [Privacy policy](#)

Pricing not available for this offering

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**0.0960 USD/hr**

[Pricing for other VM sizes](#)

### TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

When you are finished performing all the tasks, click the "Next" button.

Note that you cannot return to the lab once you click the "Next" button. Scoring occurs in the background while you complete the rest of the exam.

### Overview -

The following section of the exam is a lab. In this section, you will perform a set of tasks in a live environment. While most functionality will be available to you as it would be in a live environment, some functionality (e.g., copy and paste, ability to navigate to external websites) will not be possible by design.

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Please note that once you submit your work by clicking the Next button within a lab, you will NOT be able to return to the lab.

### To start the lab -

You may start the lab by clicking the Next button.

Your on-premises network uses an IP address range of 131.107.2.0 to 131.107.2.255.

You need to ensure that only devices from the on-premises network can connect to the rg1lod8322490n1 storage account.

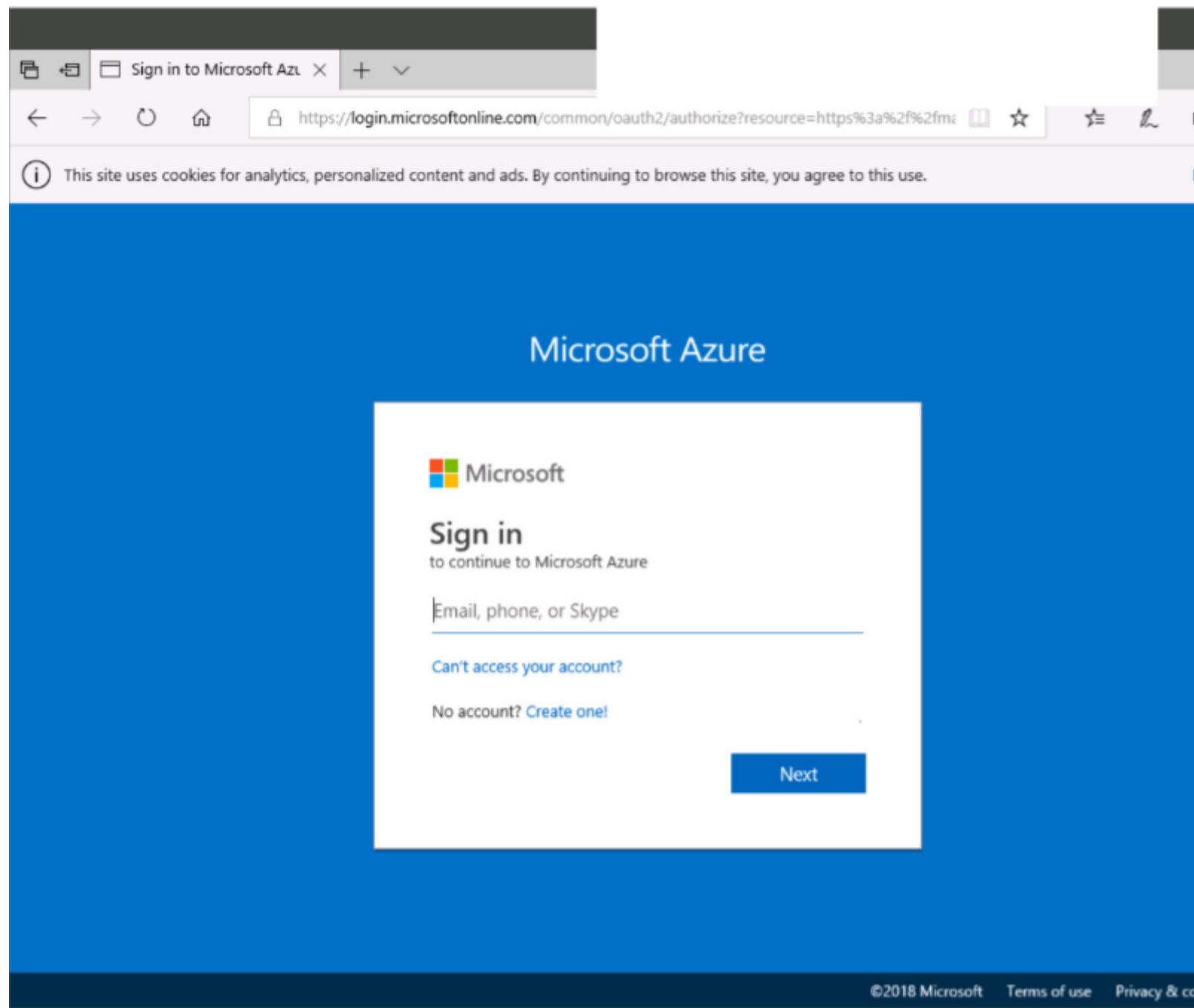
What should you do from the Azure portal?

Question #42

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. The left sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., Service Health, and Marketplace. The main content area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks like Java, Python, .NET, Node.js, and PHP, along with a 'Create DevOps Project' button. Below this are sections for 'Quickstarts + tutorials' with links to Windows Virtual Machines, Linux Virtual Machines, App Service, Functions, and SQL Database.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Create](#)

[Previous](#)

[Next](#)

[Download a template for automation](#)

## Create storage account

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)**BASICS**

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

**ADVANCED**

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

## Deployment

Search (Ctrl+ /)
Delete
Cancel
Redeploy
Refresh

- Overview
- Outputs
- Inputs
- Template

**... Your deployment is underway**

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

**Deployment**  
 name: Microsoft.StorageAccount-20181011170335  
 Subscription: Microsoft AZ-300 5  
 Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS (Download)**

Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

RESOURCE	TYPE	STATUS	OPERATI...
No results.			

## Create a virtual machine

! Validation failed. Required information is missing or not valid.

[Basics](#) • [Disks](#) [Networking](#) [Management](#) [Guest config](#) [Tags](#) [Review + create](#)

### PRODUCT DETAILS

Ubuntu Server 18.04 LTS

by Canonical

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Standard D2s v3

by Microsoft

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[Pricing for other VM sizes](#)

### TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

When you are finished performing all the tasks, click the "Next" button.

Note that you cannot return to the lab once you click the "Next" button. Scoring occurs in the background while you complete the rest of the exam.

### Overview -

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Please note that once you submit your work by clicking the Next button within a lab, you will NOT be able to return to the lab.

### To start the lab -

You may start the lab by clicking the Next button.

You plan to store media files in the corpdata7523690n1 storage account.

You need to configure the storage account to store the media files. The solution must ensure that only users who have access keys can download the media files and that the files are accessible only over HTTPS.

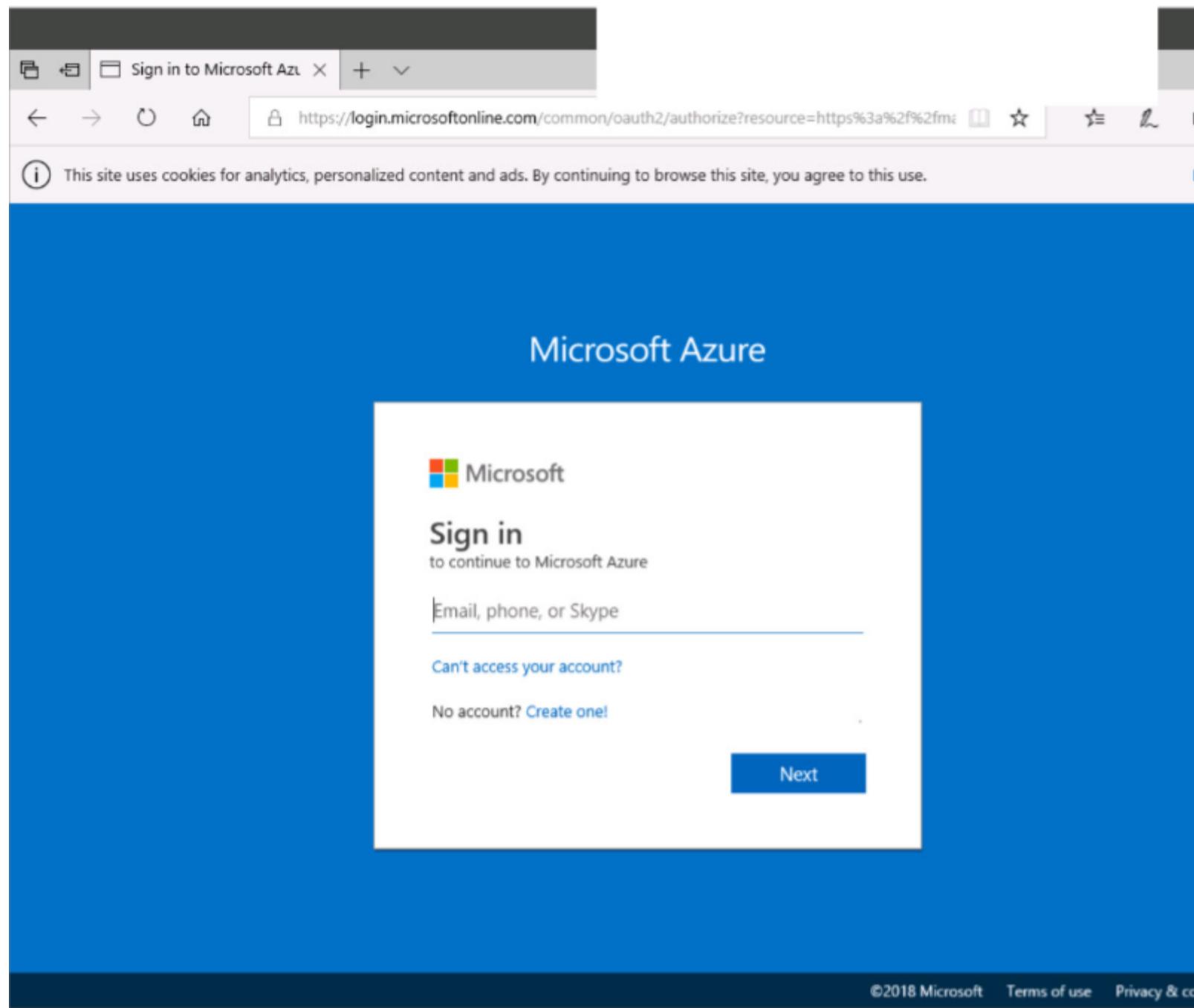
What should you do from the Azure portal?

Question #43

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. The left sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., Service Health, and Marketplace. The main content area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks (e.g., Python, Java, .NET, Node.js) and a 'Create DevOps Project' button. Below this are sections for 'Quickstarts + tutorials' with links to Windows Virtual Machines, Linux Virtual Machines, App Service, Functions, and SQL Database.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Create](#)

[Previous](#)

[Next](#)

[Download a template for automation](#)

## Create storage account

[Basics](#)   [Advanced](#)   [Tags](#)   [Review + create](#)**BASICS**

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

**ADVANCED**

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

## Deployment

Search (Ctrl+ /) Delete Cancel Redeploy Refresh

- Overview
- Outputs
- Inputs
- Template

**... Your deployment is underway**

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

Deployment  
 name: Microsoft.StorageAccount-20181011170335  
 Subscription: Microsoft AZ-300 5  
 Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS** (Download)

Start time: 10/11/2018 5:04:06 PM  
 Duration: 17 seconds  
 Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

RESOURCE	TYPE	STATUS	OPERATI...
No results.			

## Create a virtual machine

! Validation failed. Required information is missing or not valid.

[Basics](#) • [Disks](#) [Networking](#) [Management](#) [Guest config](#) [Tags](#) [Review + create](#)

### PRODUCT DETAILS

Ubuntu Server 18.04 LTS

by Canonical

[Terms of use](#) | [Privacy policy](#)

Standard D2s v3

by Microsoft

[Terms of use](#) | [Privacy policy](#)

Pricing not available for this offering

View [Pricing details](#) for more information.

Subscription credits apply ⓘ

**0.0960 USD/hr**

[Pricing for other VM sizes](#)

### TERMS

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When you are finished performing all the tasks, click the "Next" button.

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### Overview -

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Please note that once you submit your work by clicking the Next button within a lab, you will NOT be able to return to the lab.

### To start the lab -

You may start the lab by clicking the Next button.

Another administrator attempts to establish connectivity between two virtual networks named VNET1 and VNET2. The administrator reports that connections across the virtual networks fail.

You need to ensure that network connections can be established successfully between VNET1 and VNET2 as quickly as possible.

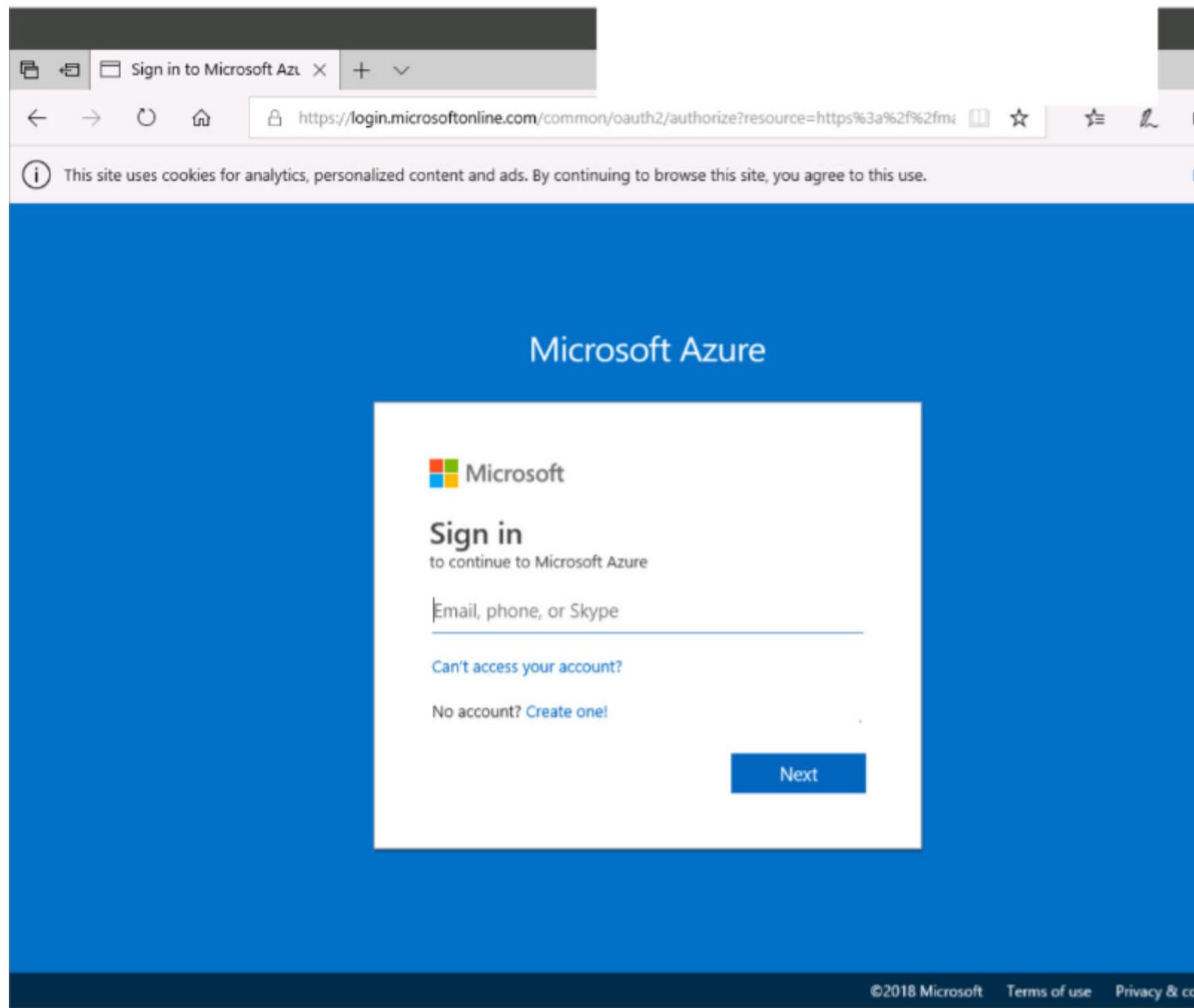
What should you do from the Azure portal?

Question #44

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. The left sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., Service Health, and Marketplace. The main content area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks (e.g., Python, Java, .NET, Node.js) and a 'Create DevOps Project' button. Below this are sections for 'Quickstarts + tutorials' with links to Windows Virtual Machines, Linux Virtual Machines, App Service, Functions, and SQL Database.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Create](#)

[Previous](#)

[Next](#)

[Download a template for automation](#)

## Create storage account

[Basics](#)   [Advanced](#)   [Tags](#)   [Review + create](#)**BASICS**

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

**ADVANCED**

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

## Deployment

Search (Ctrl+ /)
Delete
Cancel
Redeploy
Refresh

- Overview
- Outputs
- Inputs
- Template

**... Your deployment is underway**

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

**Deployment**  
 name: Microsoft.StorageAccount-20181011170335  
 Subscription: Microsoft AZ-300 5  
 Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS (Download)**

Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

RESOURCE	TYPE	STATUS	OPERATI...
No results.			

## Create a virtual machine

! Validation failed. Required information is missing or not valid.

[Basics](#) • [Disks](#) [Networking](#) [Management](#) [Guest config](#) [Tags](#) [Review + create](#)

### PRODUCT DETAILS

Ubuntu Server 18.04 LTS

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[Terms of use](#) | [Privacy policy](#)

Pricing not available for this offering

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Standard D2s v3

by Microsoft

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Subscription credits apply ⓘ

**0.0960 USD/hr**

[Pricing for other VM sizes](#)

### TERMS

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### To start the lab -

You may start the lab by clicking the Next button.

You plan to configure VM1 to be accessible from the internet.

You need to add a public IP address to the network interface used by VM1.

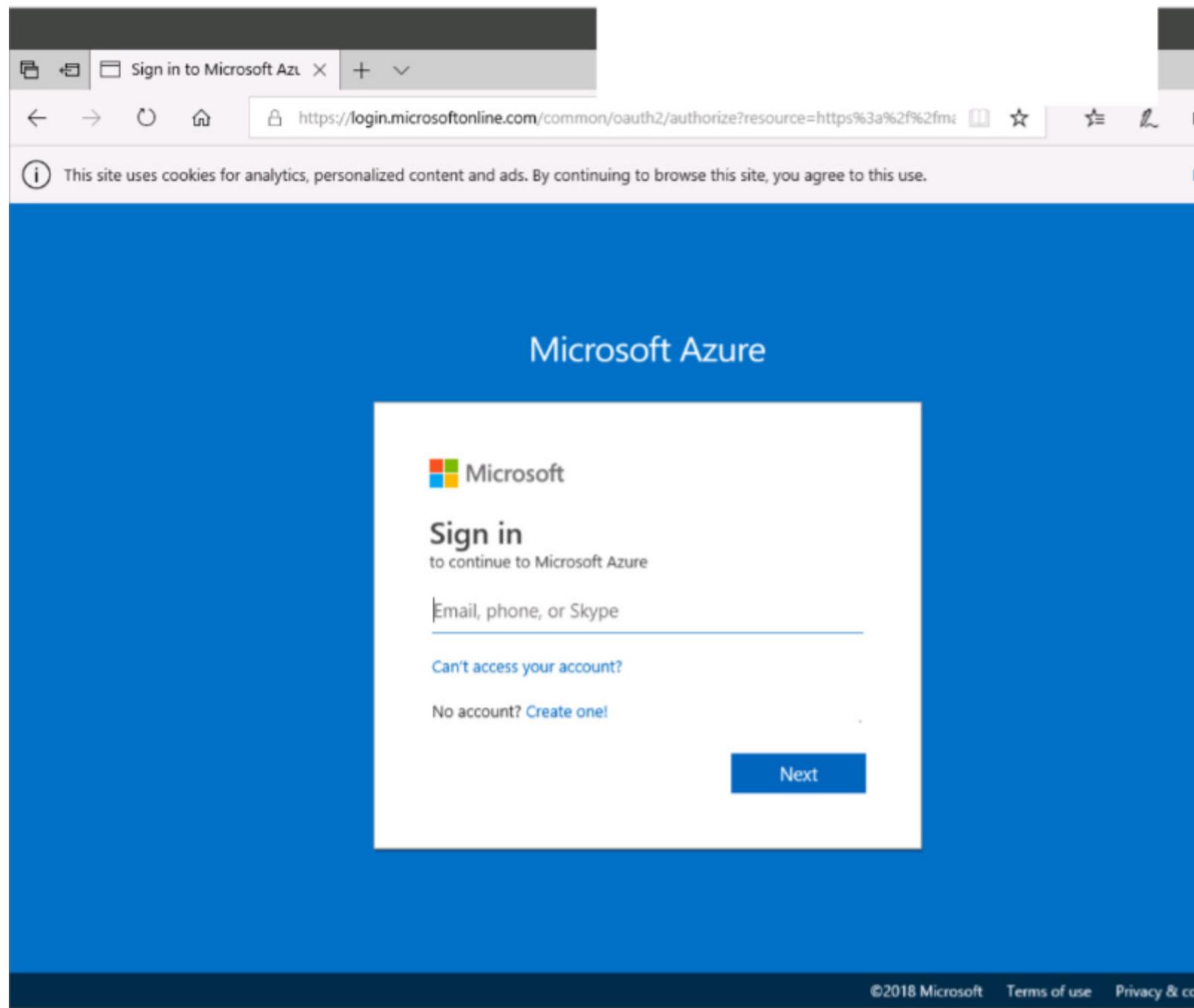
What should you do from the Azure portal?

Question #45

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. The left sidebar lists various services under 'FAVORITES': Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, and Cost Management + Bill... At the top center, there's a search bar with placeholder text 'Search resources, services, and docs'. Below the search bar is a toolbar with icons for back, forward, home, and other navigation functions. The main content area is titled 'Dashboard' and shows a section titled 'All resources' with four small dots indicating more resources. To the right of this is a promotional banner for 'Azure getting started made easy!' featuring icons for various languages and frameworks like Java, Python, .NET, Node.js, and PHP, along with a 'Create DevOps Project' button. Below the banner is a section titled 'Quickstarts + tutorials' listing five items: Windows Virtual Machines (Provision Windows Server, SQL Server, SharePoint VMs), Linux Virtual Machines (Provision Ubuntu, Red Hat, CentOS, SUSE, CoreOS VMs), App Service (Create Web Apps using .NET, Java, Node.js, Python, PHP), Functions (Process events with a serverless code architecture), and SQL Database (Manage databases, triggers, stored procedures, etc.). At the bottom of the dashboard are two buttons: 'Service Health' and 'Marketplace'.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Create](#)

[Previous](#)

[Next](#)

[Download a template for automation](#)

## Create storage account

[Basics](#)   [Advanced](#)   [Tags](#)   [Review + create](#)**BASICS**

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

**ADVANCED**

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

## Deployment

Search (Ctrl+ /)
Delete
Cancel
Redeploy
Refresh

- Overview
- Outputs
- Inputs
- Template

**... Your deployment is underway**

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**Deployment**  
 name: Microsoft.StorageAccount-20181011170335  
 Subscription: Microsoft AZ-300 5  
 Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS (Download)**

Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

RESOURCE	TYPE	STATUS	OPERATI...
No results.			

Question #46

Topic 5

**HOTSPOT -**

You plan to deploy 20 Azure virtual machines by using an Azure Resource Manager template. The virtual machines will run the latest version of Windows Server

2016 Datacenter by using an Azure Marketplace image.

You need to complete the storageProfile section of the template.

How should you complete the storageProfile section? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

```
"storageProfile": {
    "imageReference": {
        "publisher": "MicrosoftWindowsServer",
        "offer": [
            "2016-Datacenter",
            "WindowsClient",
            "Windows-Hub",
            "WindowsServer",
            "WindowsServerEssentials",
            "WindowsServerSemiAnnual",
        ],
        "sku": [
            "2016-Datacenter",
            "WindowsClient",
            "Windows-Hub",
            "WindowsServer",
            "WindowsServerEssentials",
            "WindowsServerSemiAnnual",
        ],
        "version": "latest"
    },
    ...
}
```

To start the lab...

Question #47

Topic 5

You have an Azure tenant that contains two subscriptions named Subscription1 and Subscription2.

In Subscription1, you deploy a virtual machine named Server1 that runs Windows Server 2016. Server1 uses managed disks.

You need to move Server1 to Subscription2. The solution must minimize administration effort.

What should you do first?

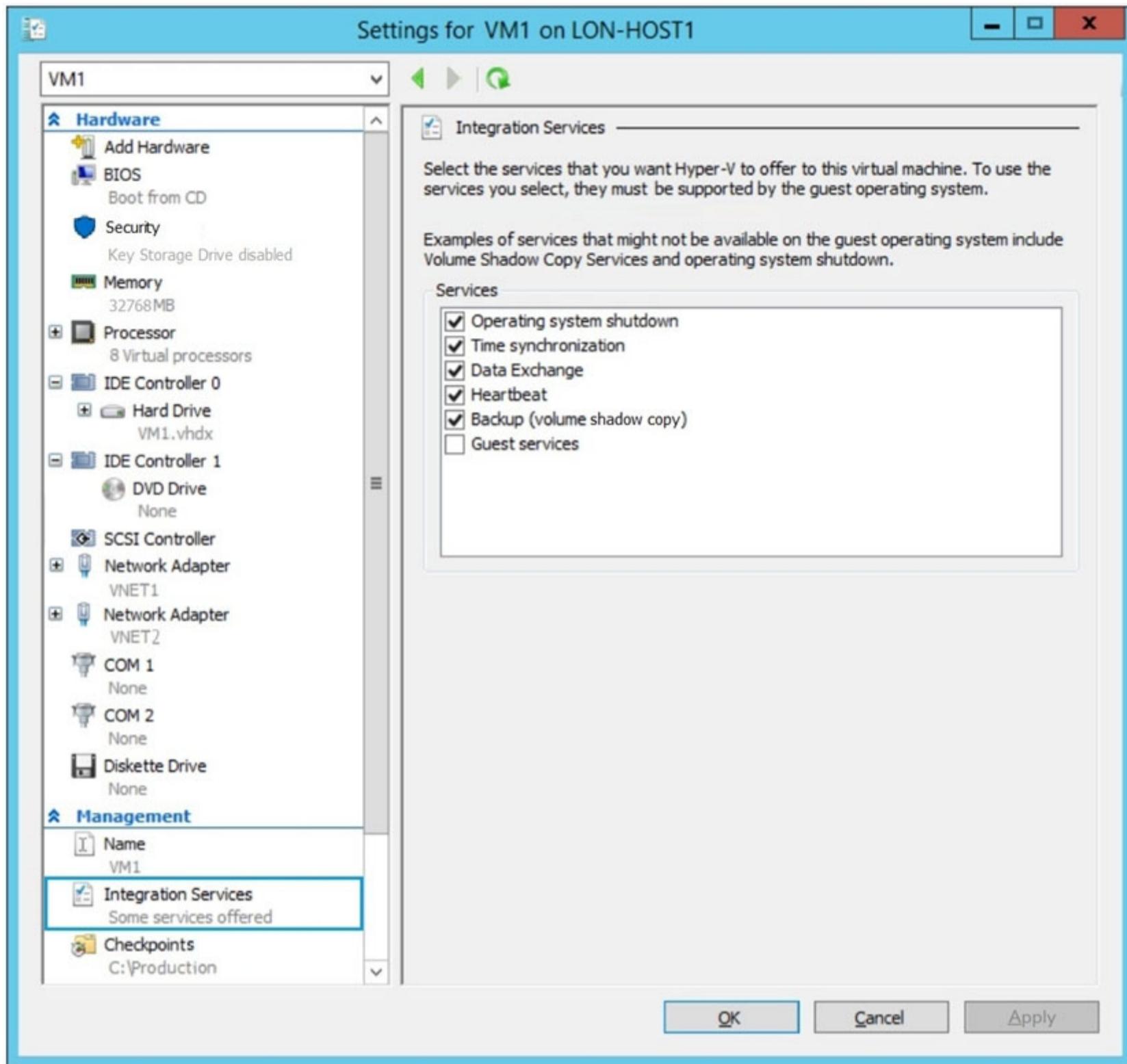
- A. Create a new virtual machine in Subscription2
- B. In Subscription2, create a copy of the virtual disk
- C. Create a snapshot of the virtual disk
- D. From Azure PowerShell, run the Move-AzureRmResource cmdlet

Question #48

Topic 5

You have an Azure subscription.

You have an on-premises virtual machine named VM1. The settings for VM1 are shown in the exhibit. (Click the Exhibit tab.)



You need to ensure that you can use the disks attached to VM1 as a template for Azure virtual machines.

What should you modify on VM1?

- A. the processor
- B. the memory
- C. Integration Services
- D. the hard drive
- E. the network adapters

Question #49

Topic 5

You have an Azure policy as shown in the following exhibit.

**SCOPE**

\* Scope ([Learn more about setting the scope](#))

Subscription 1

**Exclusions**

Subscription 1/ Contoso RG1

**BASICS**

\* Policy definition

Not allowed resource types

\* Assignment name ⓘ

Not allowed resource types

**Assignment ID**

/subscriptions/5eb8d0b6-ce3b-4ce0-a631-9f5321bedabb/providers/Microsoft.Authorization/policyAssignments/0e6fb866bf854f54accae2a9

**Description****Assigned by**

admin1@contoso.com

**PARAMETERS**

\* Not allowed resource types ⓘ

Microsoft.Sql/servers

What is the effect of the policy?

- A. You can create Azure SQL servers in any resource group within Subscription 1.
- B. You can create Azure SQL servers in ContosoRG1 only.
- C. You are prevented from creating Azure SQL Servers in ContosoRG1 only.
- D. You are prevented from creating Azure SQL servers anywhere in Subscription 1.

Question #50

Topic 5

**DRAG DROP -**

You have an Azure subscription that is used by four departments in your company. The subscription contains 10 resource groups. Each department uses resources in several resource groups.

You need to send a report to the finance department. The report must detail the costs for each department.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

**Actions****Answer Area**

Assign a tag to each resource group.

Assign a tag to each resource.

Download the usage report.

From the Cost analysis blade, filter the view by tag.

Open the **Resource costs** blade of each resource group.



Question #51

Topic 5

You have an Azure subscription that contains a resource group named RG1. RG1 contains 100 virtual machines.

Your company has three cost centers named Manufacturing, Sales, and Finance.

You need to associate each virtual machine to a specific cost center.

What should you do?

- A. Add an extension to the virtual machines
- B. Modify the inventory settings of the virtual machine
- C. Assign tags to the virtual machines
- D. Configure locks for the virtual machine

Question #52

Topic 5

**HOTSPOT -**

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	<i>Not applicable</i>	4 GB	Windows Server 2016	200 GB	800 GB
VM2	<i>Not applicable</i>	12 GB	Red Hat Enterprise Linux 7.2	3 TB	200 GB
VM3	<i>Not applicable</i>	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.

Hot Area:

**Answer Area**

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

Question #53

Topic 5

**HOTSPOT -**

You have an Azure subscription that contains multiple resource groups. You create an availability set as shown in the following exhibit.

**Create availability set****Basics   Advanced   Tags   Review + create**

An Availability Set is a logical grouping capability for isolating VM resources from each other when they're deployed. Azure makes sure that the VMs you place within an Availability Set run across multiple physical servers, compute racks, storage units, and network switches. If a hardware or software failure happens, only a subset of your VMs are impacted and your overall solution stays operational. Availability Sets are essential for building reliable cloud solutions. [Learn more about availability sets.](#)

**Project details**

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

**Subscription \* ⓘ**

Azure Pass - Sponsorship

**Resource group \* ⓘ**

RG1

[Create new](#)**Instance details****Name \* ⓘ**

AS1

**Region \* ⓘ**

(Europe) West Europe

**Fault domains ⓘ**

2

**Update domains ⓘ**

3

**Use managed disks ⓘ**[No \(Classic\)](#) [Yes \(Aligned\)](#)

You deploy 10 virtual machines to AS1.

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

During planned maintenance, at least [answer choice]  virtual machines will be available.

4
5
6
8

To add another virtual machines to AS1, the virtual machines must be added to [answer choice].

any region and the RG1 resource group
the West Europe region and any resource group
the West Europe region and the RG1 resource group

## Question #54

*Topic 5*

You have an Azure subscription that contains two storage accounts named storagecontoso1 and storagecontoso2. Each storage account contains a queue service, a table service, and a blob service.

You develop two apps named App1 and App2. You need to configure the apps to store different types of data to all the storage services on both the storage accounts.

How many endpoints should you configure for each app?

- A. 2
- B. 3
- C. 6
- D. 12

Question #55

Topic 5

**HOTSPOT -**

You have an Azure subscription named Subscription1.

You have a virtualization environment that contains the virtualization servers in the following table.

Name	Hypervisor	Run virtual machine
Server1	Hyper-V	VM1, VM2, VM3
Server2	VMware	VMA, VMB, VMC

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

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

All the virtual machines use basic disks. VM1 is protected by using BitLocker Drive Encryption (BitLocker).

You plan to use Azure Site Recovery to migrate the virtual machines to Azure.

Which virtual machines can you migrate? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

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.

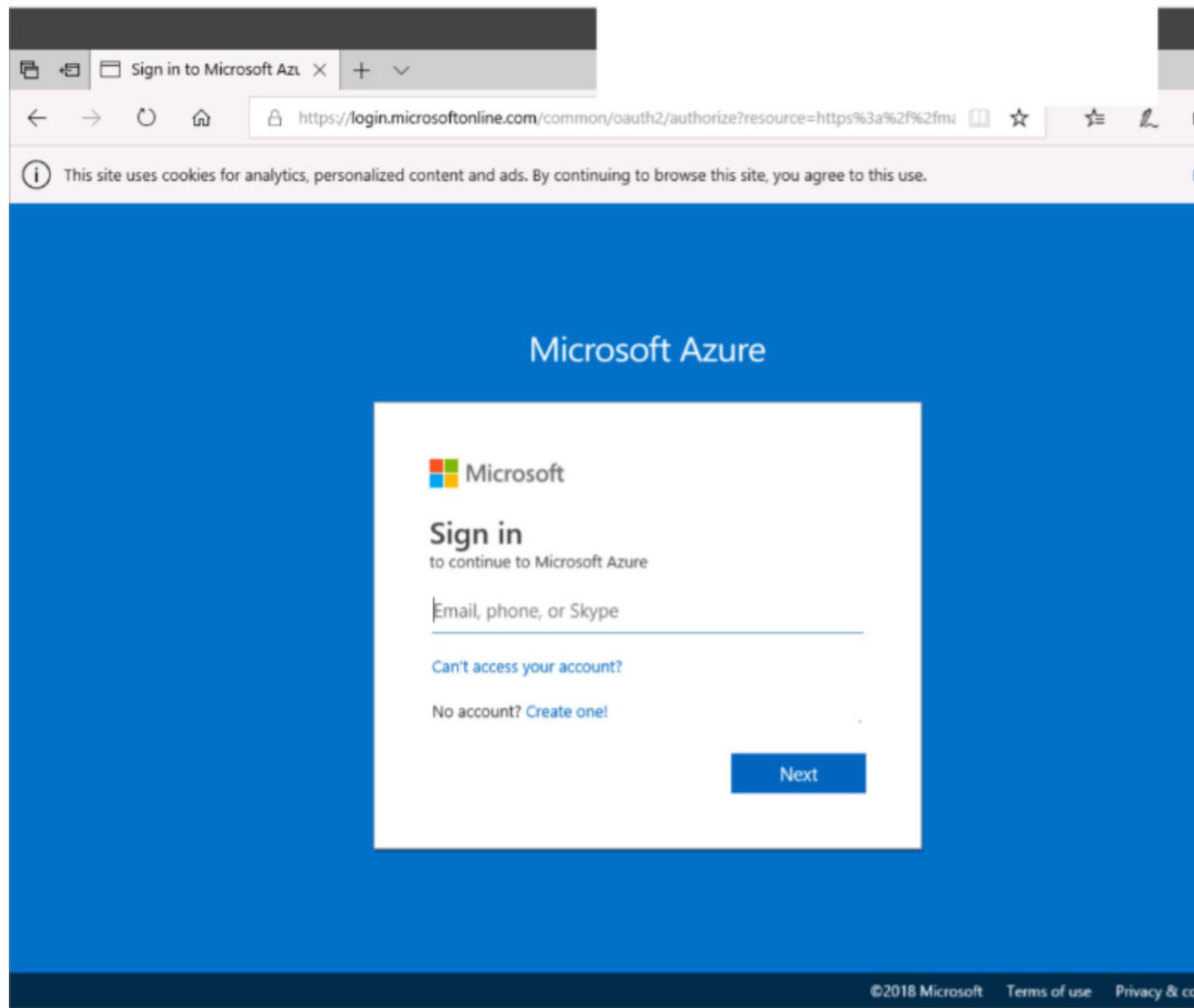
VMA only
VMB only
VMC only
VMA and VMB only
VMA and VMC only
VMA, VMB, and VMC

Question #56

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. The left sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., Service Health, and Marketplace. The main content area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks (e.g., Python, Java, .NET, Node.js) and a 'Create DevOps Project' button. Below this are sections for 'Quickstarts + tutorials' with links to Windows Virtual Machines, Linux Virtual Machines, App Service, Functions, and SQL Database.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Create](#)

[Previous](#)

[Next](#)

[Download a template for automation](#)

## Create storage account

\*\*\* Submitting deployment...

Submitting the deployment template for resource  
'corpdatalod7523690'.

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

Deployment

  Delete  Cancel  Redeploy  Refresh

 **Overview**

 Outputs

 Inputs

 Template

\*\*\* Your deployment is underway

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

 Deployment  
name: Microsoft.StorageAccount-20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS** (Download)  
Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

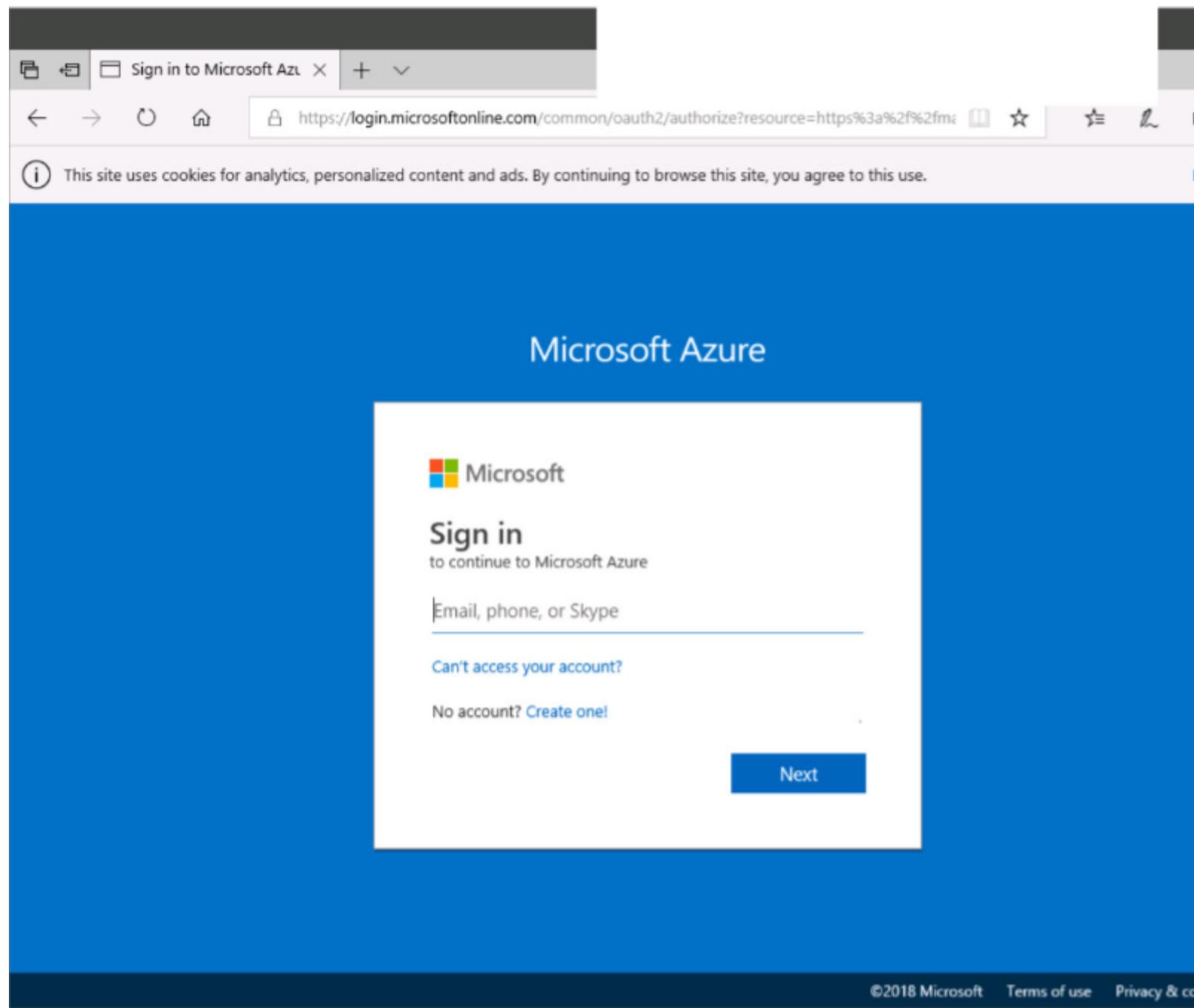
RESOURCE	TYPE	STATUS	OPERATI...
No results.			

Question #57

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. The left sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., Service Health, and Marketplace. The main content area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks (e.g., Python, Java, .NET, Node.js) and a 'Create DevOps Project' button. Below this are sections for 'Quickstarts + tutorials' with links to Windows Virtual Machines, Linux Virtual Machines, App Service, Functions, and SQL Database.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

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## Create storage account

[Basics](#)   [Advanced](#)   [Tags](#)   [Review + create](#)**BASICS**

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

**ADVANCED**

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

## Deployment

  Delete  Cancel  Redeploy  Refresh

**... Your deployment is underway**

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

 Deployment  
name: Microsoft.StorageAccount-20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS (Download)**  
Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

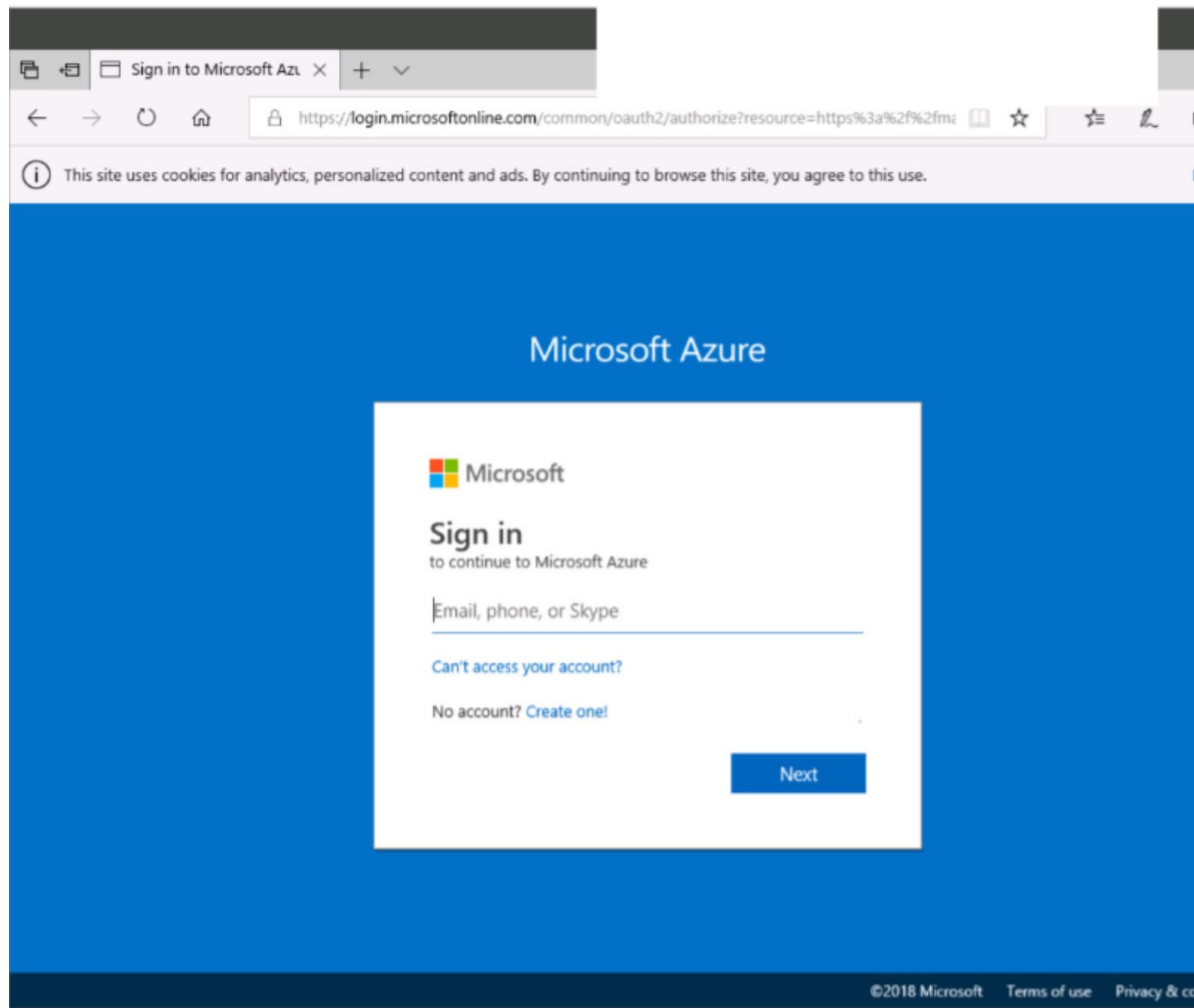
RESOURCE	TYPE	STATUS	OPERATI...
No results.			

Question #58

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. On the left, a sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., and Help & support. The main area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks like Java, Python, .NET, Node.js, and PHP, along with a 'Create DevOps Project' button. Below this, a 'Quickstarts + tutorials' section lists five items: Windows Virtual Machines (Provision Windows Server, SQL Server, SharePoint VMs), Linux Virtual Machines (Provision Ubuntu, Red Hat, CentOS, SUSE, CoreOS VMs), App Service (Create Web Apps using .NET, Java, Node.js, Python, PHP), Functions (Process events with a serverless code architecture), and SQL Database (Manage databases, triggers, stored procedures, etc.). At the bottom of the dashboard, there are links for 'Service Health' and 'Marketplace'.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

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## Create storage account

\*\*\* Submitting deployment...

Submitting the deployment template for resource  
'corpdatalod7523690'.

[Basics](#)   [Advanced](#)   [Tags](#)   [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

Deployment

« Delete Cancel ↑ Redeploy ⟳ Refresh

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[Outputs](#)

[Inputs](#)

[Template](#)

\*\*\* Your deployment is underway

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.



Deployment  
name: Microsoft.StorageAccount-  
20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

### DEPLOYMENT DETAILS (Download)

Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-  
55e0ec38f49b

RESOURCE   TYPE   STATUS   OPERATI...

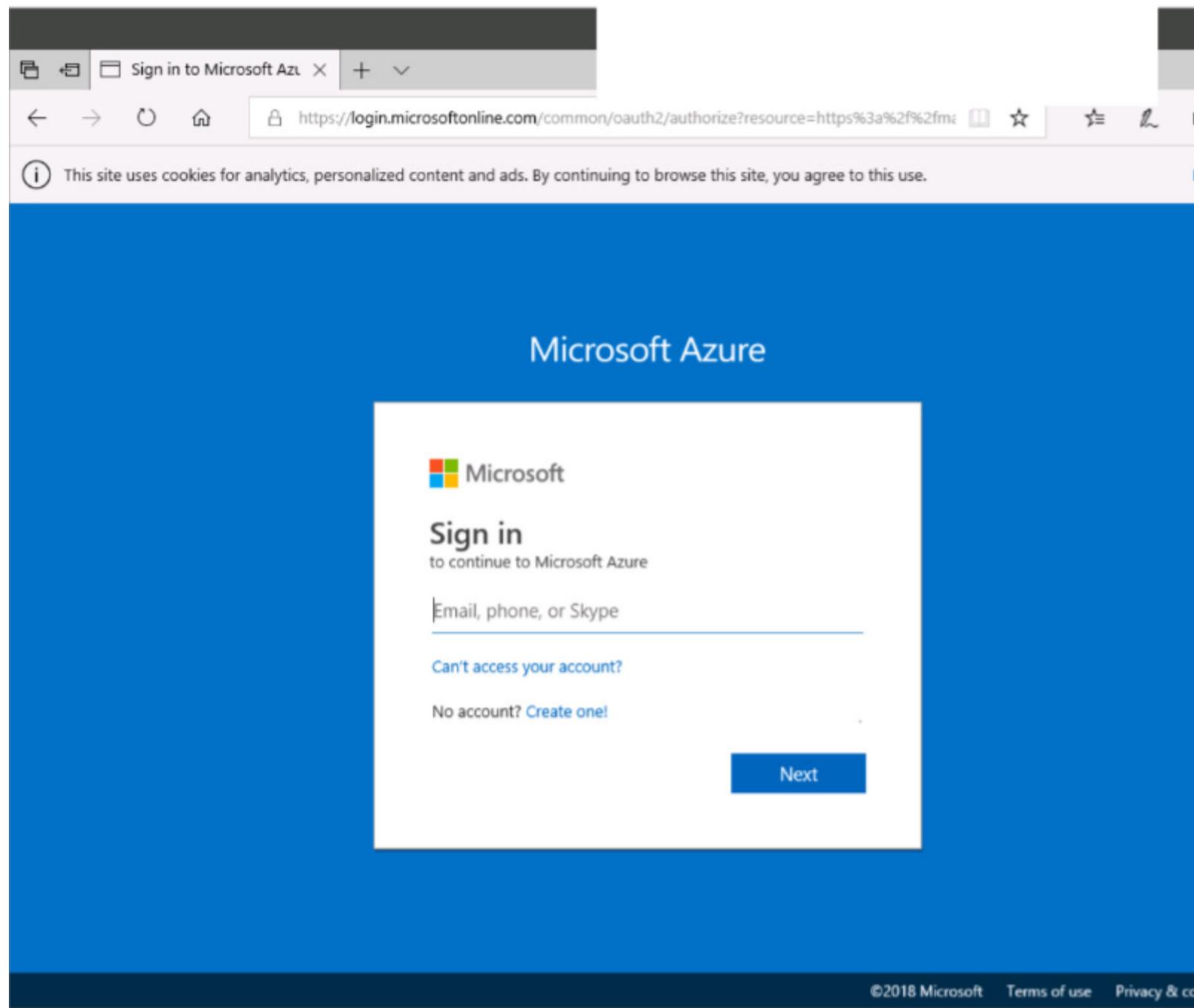
No results.

Question #59

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. On the left, a sidebar lists various services under 'FAVORITES': Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, and Cost Management + Bill... At the top center, there's a search bar with placeholder text 'Search resources, services, and docs'. Below the search bar, the main area is titled 'Dashboard' and shows a section for 'All resources'. To the right of this, there's a promotional banner for 'Azure getting started made easy!' featuring icons for various languages and frameworks like Java, Python, .NET, Node.js, and PHP, along with a 'Create DevOps Project' button. Further down, there's a section titled 'Quickstarts + tutorials' listing five items: Windows Virtual Machines (Provision Windows Server, SQL Server, SharePoint VMs), Linux Virtual Machines (Provision Ubuntu, Red Hat, CentOS, SUSE, CoreOS VMs), App Service (Create Web Apps using .NET, Java, Node.js, Python, PHP), Functions (Process events with a serverless code architecture), and SQL Database (Manage databases, triggers, stored procedures, etc.). At the bottom of the dashboard, there are links for 'Service Health' and 'Marketplace'.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

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## Create storage account

[Basics](#)   [Advanced](#)   [Tags](#)   [Review + create](#)**BASICS**

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

**ADVANCED**

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

## Deployment

  Delete  Cancel  Redeploy  Refresh

**... Your deployment is underway**

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

 Deployment  
name: Microsoft.StorageAccount-20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS (Download)**  
Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

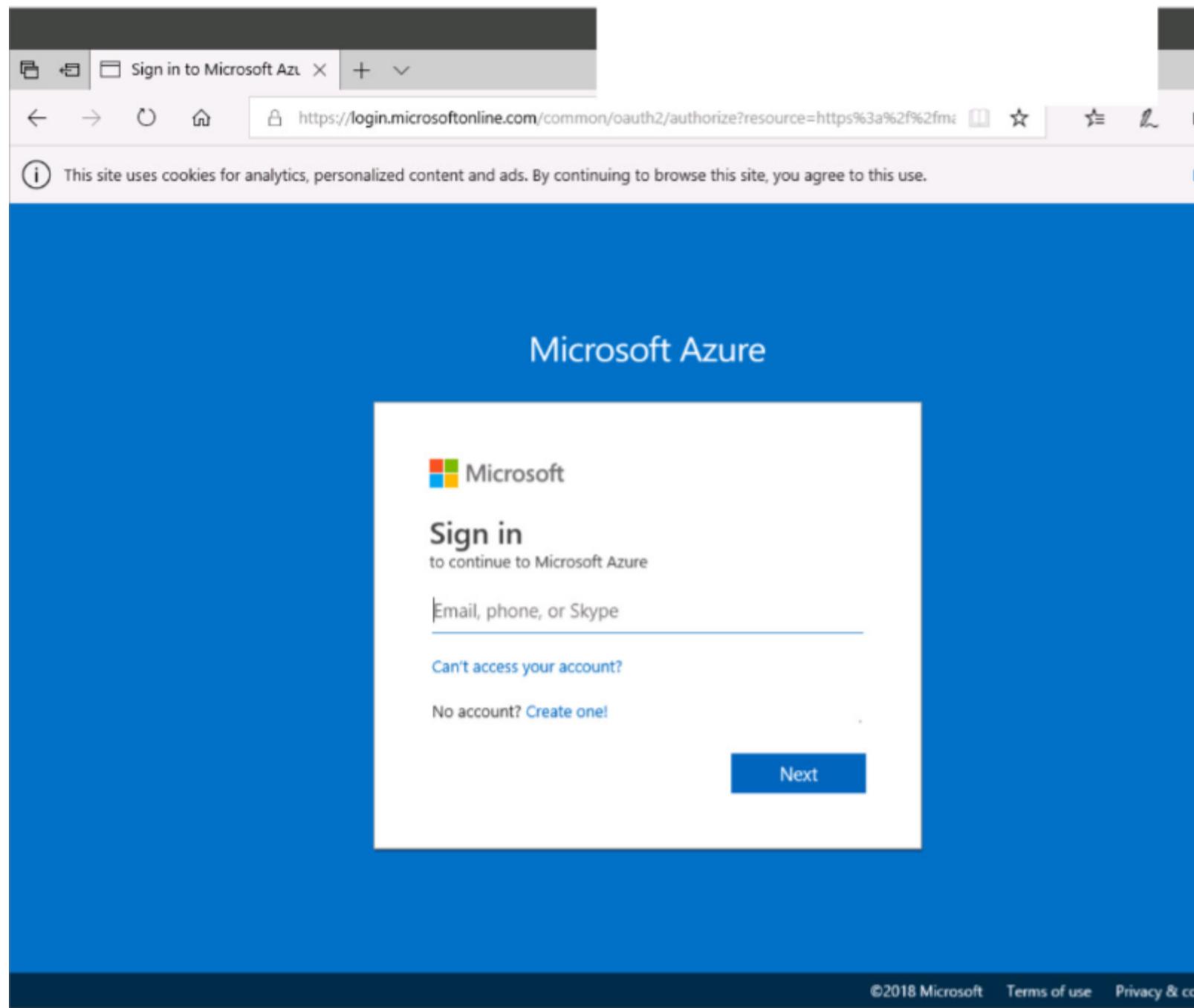
RESOURCE	TYPE	STATUS	OPERATI...
No results.			

Question #60

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. On the left, a sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., and Help & support. The main content area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks (e.g., Python, Java, .NET, Node.js) and a 'Create DevOps Project' button. Below this, a 'Quickstarts + tutorials' section lists five items: Windows Virtual Machines (Provision Windows Server, SQL Server, SharePoint VMs), Linux Virtual Machines (Provision Ubuntu, Red Hat, CentOS, SUSE, CoreOS VMs), App Service (Create Web Apps using .NET, Java, Node.js, Python, PHP), Functions (Process events with a serverless code architecture), and SQL Database (Manage databases, triggers, stored procedures, etc.). At the bottom of the dashboard, there are links for 'Service Health' and 'Marketplace'.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

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## Create storage account

[Basics](#)   [Advanced](#)   [Tags](#)   [Review + create](#)**BASICS**

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

**ADVANCED**

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

## Deployment

  Delete  Cancel  Redeploy  Refresh

**... Your deployment is underway**

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

 Deployment  
name: Microsoft.StorageAccount-20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS (Download)**  
Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

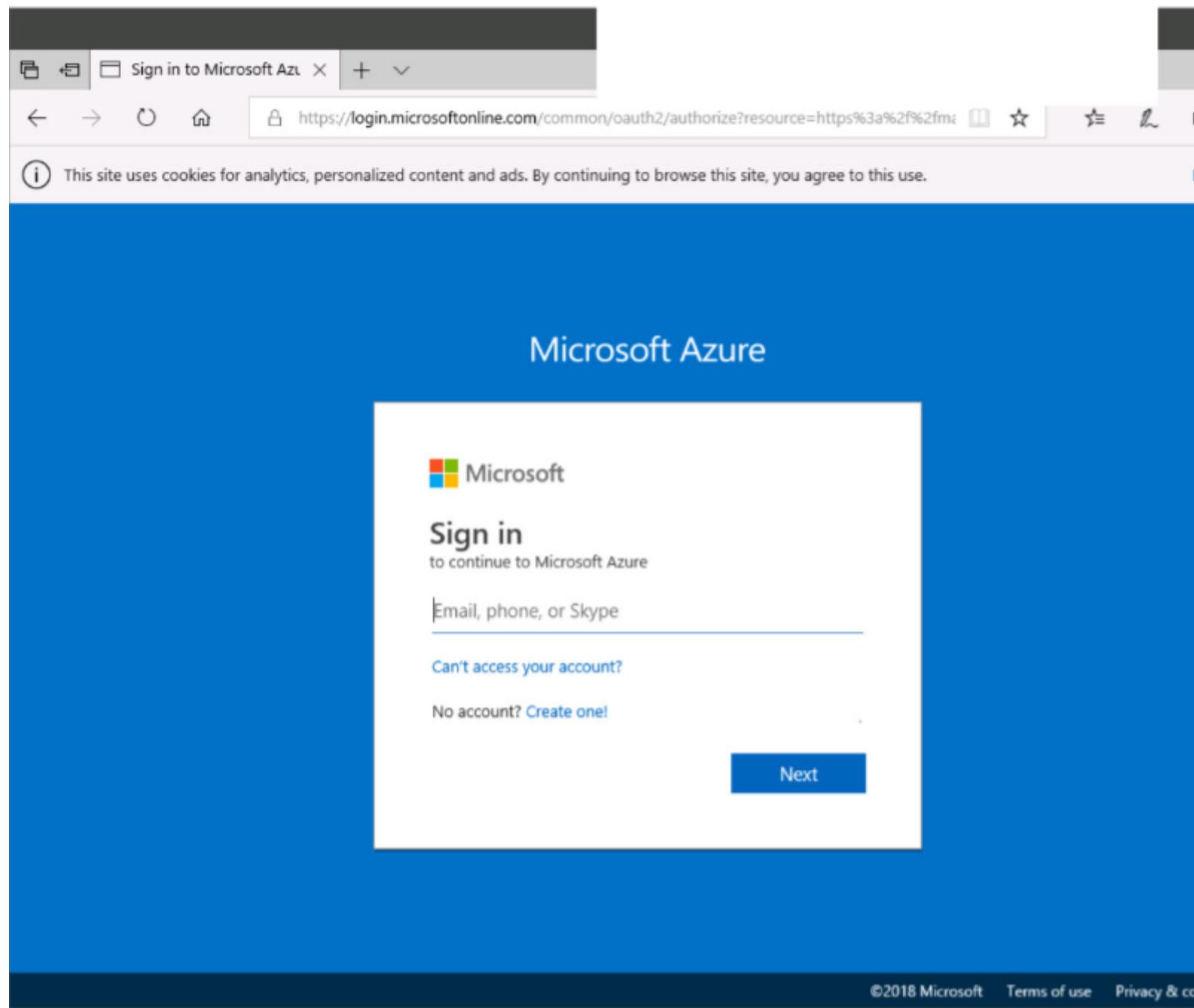
RESOURCE	TYPE	STATUS	OPERATI...
No results.			

Question #61

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. The left sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., Service Health, and Marketplace. The main content area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks (e.g., Python, Java, .NET, Node.js) and a 'Create DevOps Project' button. Below this are sections for 'Quickstarts + tutorials' with links to Windows Virtual Machines, Linux Virtual Machines, App Service, Functions, and SQL Database.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

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## Create storage account

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)**BASICS**

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

**ADVANCED**

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

## Deployment

  Delete  Cancel  Redeploy  Refresh

**... Your deployment is underway**

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

 Deployment  
name: Microsoft.StorageAccount-20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS (Download)**  
Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

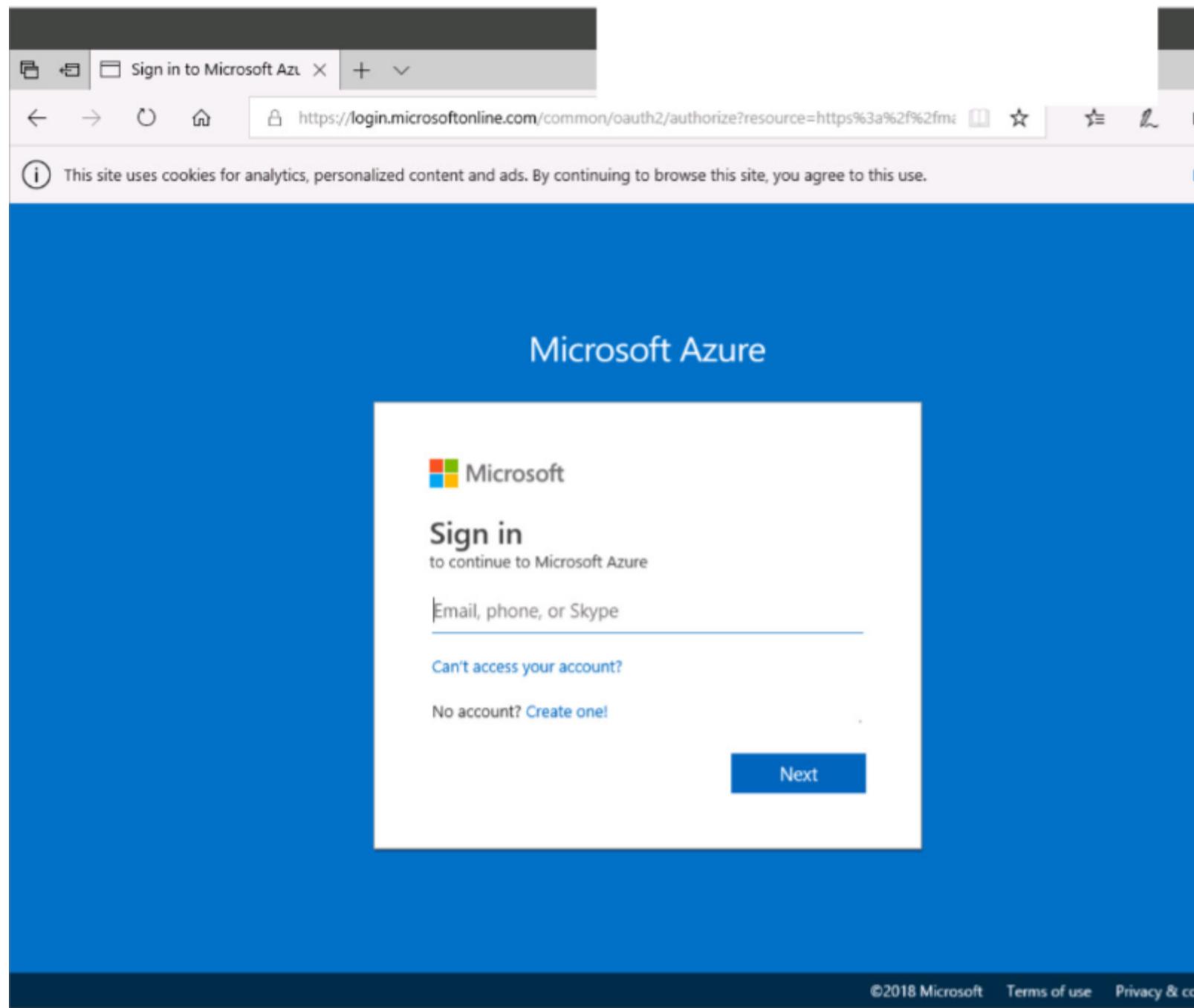
RESOURCE	TYPE	STATUS	OPERATI...
No results.			

Question #62

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. On the left, a sidebar lists various services under 'FAVORITES': Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, and Cost Management + Bill... At the top center, there's a search bar with placeholder text 'Search resources, services, and docs'. Below the search bar, the main area is titled 'Dashboard' and shows a section for 'All resources'. To the right of this, there's a promotional banner for 'Azure getting started made easy!' featuring icons for various languages and frameworks like Java, Python, .NET, Node.js, and PHP, along with a 'Create DevOps Project' button. Further down, there's a section titled 'Quickstarts + tutorials' listing five items: Windows Virtual Machines (Provision Windows Server, SQL Server, SharePoint VMs), Linux Virtual Machines (Provision Ubuntu, Red Hat, CentOS, SUSE, CoreOS VMs), App Service (Create Web Apps using .NET, Java, Node.js, Python, PHP), Functions (Process events with a serverless code architecture), and SQL Database (Manage databases, triggers, stored procedures, etc.). At the bottom of the dashboard, there are links for 'Service Health' and 'Marketplace'.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

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## Create storage account

\*\*\* Submitting deployment...

Submitting the deployment template for resource  
'corpdatalod7523690'.

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

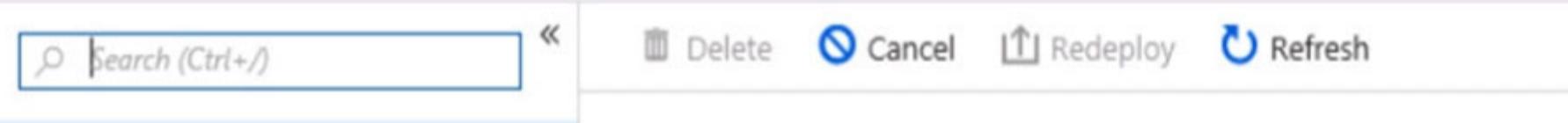
Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

### Deployment



\*\*\* Your deployment is underway

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.



Deployment  
name: Microsoft.StorageAccount-  
20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

### DEPLOYMENT DETAILS (Download)

Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-  
55e0ec38f49b

RESOURCE	TYPE	STATUS	OPERATI...
----------	------	--------	------------

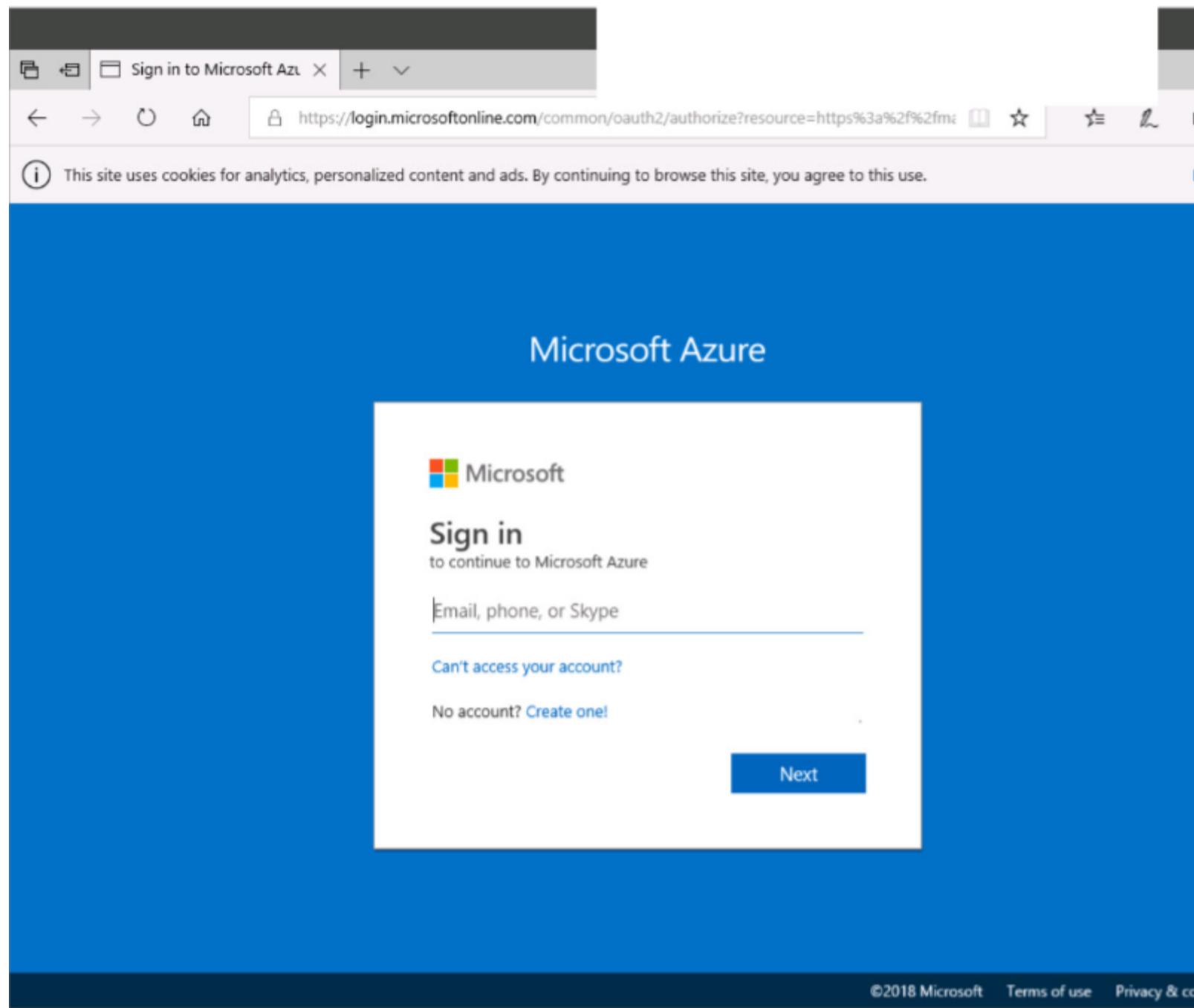
No results.

Question #63

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. The left sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., Service Health, and Marketplace. The main content area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks like Java, Python, .NET, Node.js, and PHP, along with a 'Create DevOps Project' button. Below this are sections for 'Quickstarts + tutorials' with links to Windows Virtual Machines, Linux Virtual Machines, App Service, Functions, and SQL Database.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

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## Create storage account

[Basics](#)   [Advanced](#)   [Tags](#)   [Review + create](#)**BASICS**

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

**ADVANCED**

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

## Deployment

  Delete  Cancel  Redeploy  Refresh

**... Your deployment is underway**

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

 Deployment  
name: Microsoft.StorageAccount-20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS (Download)**  
Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

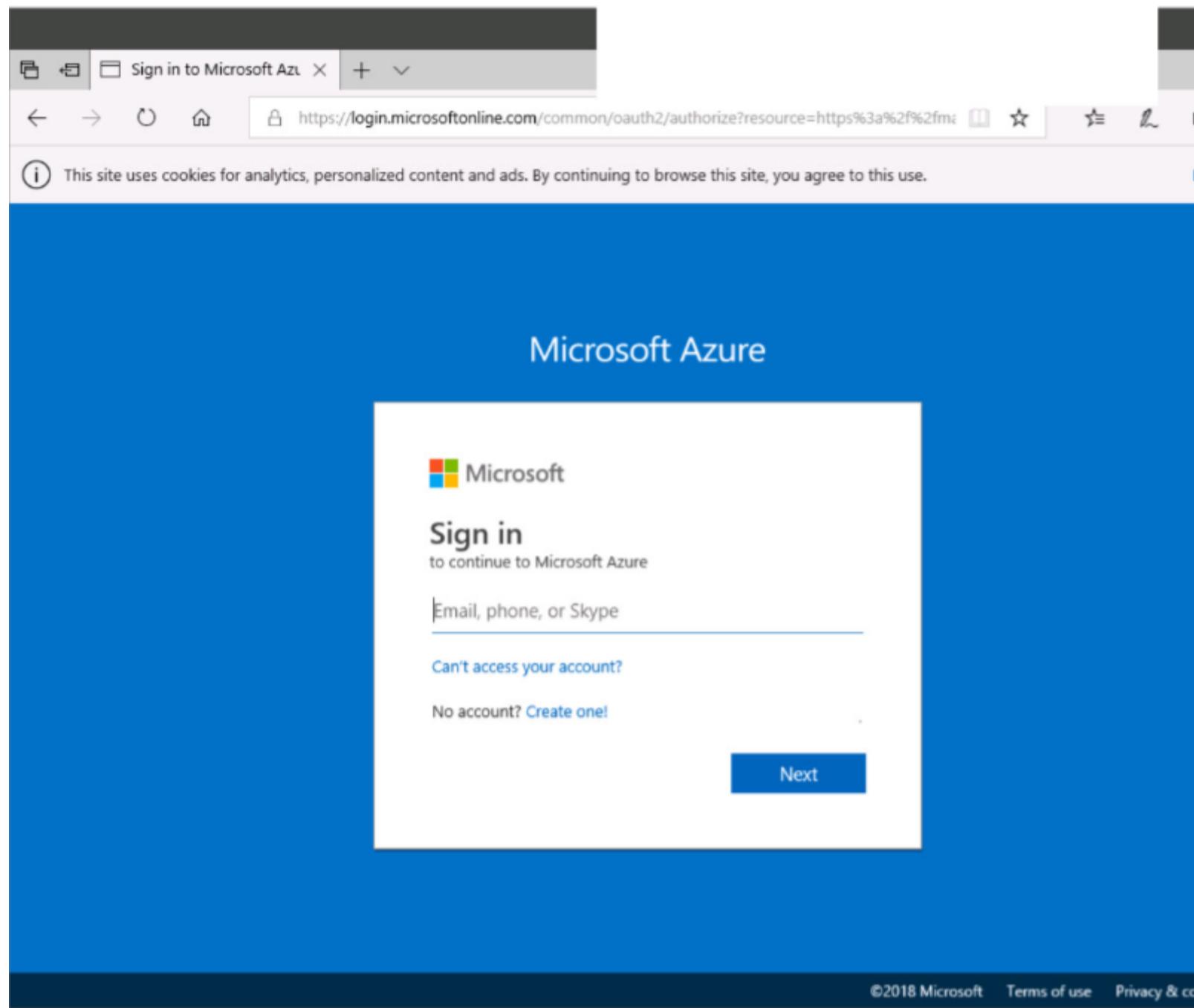
RESOURCE	TYPE	STATUS	OPERATI...
No results.			

Question #64

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. The left sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., Service Health, and Marketplace. The main content area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks (e.g., Python, Java, .NET, Node.js) and a 'Create DevOps Project' button. Below this are sections for 'Quickstarts + tutorials' with links to Windows Virtual Machines, Linux Virtual Machines, App Service, Functions, and SQL Database.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

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## Create storage account

[Basics](#)   [Advanced](#)   [Tags](#)   [Review + create](#)**BASICS**

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

**ADVANCED**

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

## Deployment

  Delete  Cancel  Redeploy  Refresh

 **Overview**

 Outputs

 Inputs

 Template

**... Your deployment is underway**

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

 Deployment  
name: Microsoft.StorageAccount-20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS (Download)**  
Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

**RESOURCE**   **TYPE**   **STATUS**   **OPERATI...**

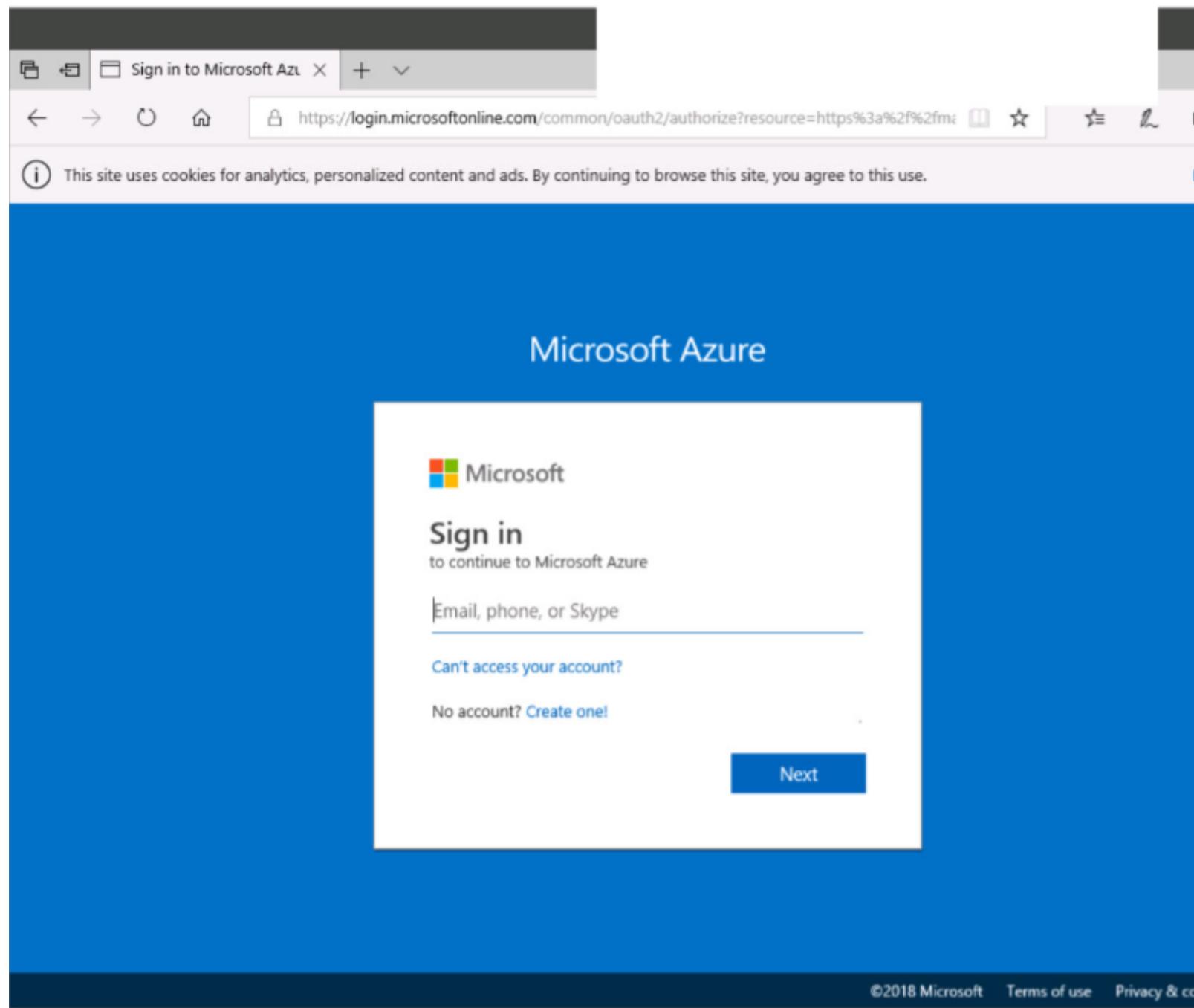
No results.

Question #65

Topic 5

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.



The screenshot shows the Microsoft Azure dashboard interface. On the left, a sidebar lists various services under 'FAVORITES': Create a resource, All services, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Bill..., and Help & support. The main area is titled 'Dashboard' and shows 'All resources'. To the right, there's a promotional section for 'Azure getting started made easy!' featuring icons for various languages and frameworks (e.g., Python, Java, .NET) and a 'Create DevOps Project' button. Below this, a 'Quickstarts + tutorials' section lists five items: Windows Virtual Machines (Provision Windows Server, SQL Server, SharePoint VMs), Linux Virtual Machines (Provision Ubuntu, Red Hat, CentOS, SUSE, CoreOS VMs), App Service (Create Web Apps using .NET, Java, Node.js, Python, PHP), Functions (Process events with a serverless code architecture), and SQL Database (Manage databases, triggers, stored procedures, etc.). At the bottom of the dashboard, there are links for 'Service Health' and 'Marketplace'.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Create](#)

[Previous](#)

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[Download a template for automation](#)

## Create storage account

[Basics](#)   [Advanced](#)   [Tags](#)   [Review + create](#)**BASICS**

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

**ADVANCED**

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

## Deployment

  Delete  Cancel  Redeploy  Refresh

**Overview** 

**Outputs** 

**Inputs** 

**Template** 

**Your deployment is underway**

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

 Deployment  
name: Microsoft.StorageAccount-20181011170335  
Subscription: Microsoft AZ-300 5  
Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS (Download)**  
Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

RESOURCE	TYPE	STATUS	OPERATI...
No results.			

Question #66

Topic 5

**HOTSPOT -**

You have an Azure subscription named Subscription1 that contains a virtual network named VNet1. You add the users in the following table.

User	Role
User1	Owner
User2	Security Admin
User3	Network Contributor

Which user can perform each configuration? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area****Add a subnet to VNet1:**

- User1 only
- User3 only
- User1 and User3 only
- User2 and User3 only
- User1, User2, and User3

**Assign a user the Reader role to VNet1:**

- User1 only
- User2 only
- User3 only
- User1 and User2 only
- User2 and User3 only
- User1, User2, and User3

available to you as it would be in a live environment, some functionality (e.g., copy and paste, ability to navigate to external websites) will not be

Question #67

Topic 5

You have an Azure subscription that contains three virtual networks named VNet1, VNet2, and VNet3. VNet2 contains a virtual appliance named VM2 that operates as a router.

You are configuring the virtual networks in a hub and spoke topology that uses VNet2 as the hub network.

You plan to configure peering between VNet1 and VNet2 and between VNet2 and VNet3.

You need to provide connectivity between VNet1 and VNet3 through VNet2.

Which two configurations should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. On the peering connections, allow forwarded traffic
- B. Create a route filter
- C. On the peering connections, allow gateway transit
- D. Create route tables and assign the table to subnets
- E. On the peering connections, use remote gateways

Question #68

Topic 5

## DRAG DROP -

You have an Azure subscription that contains two virtual networks named VNet1 and VNet2. Virtual machines connect to the virtual networks.

The virtual networks have the address spaces and the subnets configured as shown in the following table.

Virtual network	Address space	Subnet	Peering
VNet1	10.1.0.0/16	10.1.0.0/24 10.1.1.0/26	VNet2
VNet2	10.2.0.0/16	10.2.0.0/24	VNet1

You need to add the address space of 10.33.0.0/16 to VNet1. The solution must ensure that the hosts on VNet1 and VNet2 can communicate.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

**Actions**

Remove peering between VNet1 and VNet2.

Recreate peering between VNet1 and VNet2.

On the peering connection in VNet1, allow gateway transit.

Add the 10.33.0.0/16 address space to VNet1.

On the peering connection in VNet2, allow gateway transit.

Create a new virtual network named VNet1.

Remove VNet1.

**Answer Area**

Question #69

Topic 5

**HOTSPOT -**

You are designing a virtual network to support a web application. The web application uses Blob storage to store large images. The web application will be deployed to an Azure App Service Web App.

You have the following requirements:

- Secure all communications by using Secured Socket layer (SSL)
- SSL encryption and decryption must be processed efficiently to support high traffic load on the web application
- Protect the web application from web vulnerabilities and attacks without modification to backend code
- Optimize web application responsiveness and reliability by routing HTTP request and responses to the endpoint with the lowest network latency for the client.

You need to configure the Azure components to meet the requirements.

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Requirement	Component
SSL Encrypt / Decrypt	Azure Application Gateway Azure Monitor Azure Security Center Azure Network Watcher
Protect from web vulnerabilities	Azure Application Gateway Azure Monitor Azure Security Center Azure Traffic Manager
Optimize responsiveness and reliability	Azure Application Gateway Azure Monitor Azure Traffic Manager Azure Network Watcher

Question #70

Topic 5

**HOTSPOT -**

You have Azure Storage accounts as shown in the following exhibit.

The screenshot shows the Azure Storage accounts blade. At the top, there are buttons for Home, Storage accounts, and Contoso. Below that is a navigation bar with Add, Edit columns, Refresh, Assign Tags, and Delete. A message says "Subscriptions: All 2 selected – Don't see a subscription? Switch directories". Below the message are filter dropdowns for name, subscription, resource group, type, location, subscription, access tier, and replication type. A table titled "3 items" lists three storage accounts:

<input type="checkbox"/>	NAME	TYPE	KIND	RESOURCE ...	LOCATION	SUBSCRIPTI...	ACCESS T...	REPLICAT...
<input type="checkbox"/>	storageaccount1	Storage account	Storage	ContosoRG1	East US	Subscription 1	-	Read-access ge...
<input type="checkbox"/>	storageaccount2	Storage account	StorageV2	ContosoRG1	Central US	Subscription 1	Hot	Geo-redundant...
<input type="checkbox"/>	storageaccount3	Storage account	BlobStorage	ContosoRG1	East US	Subscription 1	Hot	Locally-redund...

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

You can use [answer choice] for Azure Table Storage.

storageaccount1 only
storageaccount2 only
storageaccount3 only
storageaccount1 and storageaccount2 only
storageaccount2 and storageaccount3 only

You can use [answer choice] for Azure Blob storage.

storageaccount3 only
storageaccount2 and storageaccount3 only
storageaccount1 and storageaccount3 only
all the storage accounts

Question #71

Topic 5

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 are planning to create a virtual network that has a scale set that contains six virtual machines (VMs).

A monitoring solution on a different network will need access to the VMs inside the scale set.

You need to define public access to the VMs.

Solution: Deploy a standalone VM that has a public IP address to the virtual network.

Does the solution meet the goal?

A. Yes

B. No

Question #72

*Topic 5*

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 are planning to create a virtual network that has a scale set that contains six virtual machines (VMs).

A monitoring solution on a different network will need access to the VMs inside the scale set.

You need to define public access to the VMs.

Solution: Implement an Azure Load Balancer.

Does the solution meet the goal?

A. Yes

B. No

Question #73

*Topic 5*

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 are planning to create a virtual network that has a scale set that contains six virtual machines (VMs).

A monitoring solution on a different network will need access to the VMs inside the scale set.

You need to define public access to the VMs.

Solution: Design a scale set to automatically assign public IP addresses to all VMs.

Does the solution meet the goal?

A. Yes

B. No

Question #74

Topic 5

**HOTSPOT -**

You have an on-premises data center and an Azure subscription. The data center contains two VPN devices. The subscription contains an Azure virtual network named VNet1. VNet1 contains a gateway subnet.

You need to create a site-to-site VPN. The solution must ensure that if a single instance of an Azure VPN gateway fails, or a single on-premises VPN device fails, the failure will not cause an interruption that is longer than two minutes.

What is the minimum number of public IP addresses, virtual network gateways, and local network gateways required in Azure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area:****Public IP addresses:**

1
2
3
4

**Virtual network gateways:**

1
2
3
4

**Local network gateways:**

1
2
3
4

Question #75

Topic 5

HOTSPOT -

You have peering configured as shown in the following exhibit.

The screenshot shows two separate sections of the Azure portal:

- Virtual networks:** A list of virtual networks including test1-vnet, testVNEt1, vNET1, vNET2, vNET3, vNET4, vNET5, and vNET6. vNET6 is selected.
- vNET6 - Peering:** A list of peering connections. One entry is visible: "peering1 Disconnected vNET1 Enabled ....".

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

NOTE: Each correct selection is worth one point.

Hot Area:

#### Answer Area

Hosts on vNET6 can communicate with hosts on [answer choice].

vNET6 only
vNET6 and vNET 1 only
vNET6, vNET1, and vNET2 only
all the virtual networks in the subscription

To change the status of the peering connection to vNET1 to Connected, you must first [answer choice].

add a service endpoint
add a subnet
delete peering1
modify the address space

Question #76

Topic 5

You have an Azure Kubernetes Service (AKS) cluster named Clus1 in a resource group named RG1.

An administrator plans to manage Clus1 from an Azure AD-joined device.

You need to ensure that the administrator can deploy the YAML application manifest file for a container application.

You install the Azure CLI on the device.

Which command should you run next?

- A. kubectl get nodes
- B. az aks install-cli
- C. kubectl apply ""f appl.yaml
- D. az aks get-credentials --resource-group RG1 --name Clus1

## Question #77

Topic 5

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 are planning to create a virtual network that has a scale set that contains six virtual machines (VMs).

A monitoring solution on a different network will need access to the VMs inside the scale set.

You need to define public access to the VMs.

Solution: Use Remote Desktop Protocol (RDP) to connect to the VM in the scale set.

Does the solution meet the goal?

A. Yes

B. No

## Question #78

Topic 5

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

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

You need to recommend a connectivity solution that will enable the virtual machines on VNET1 and VNET2 to communicate through the Microsoft backbone infrastructure.

What should you include in the recommendation?

A. Azure ExpressRoute

B. peering

C. a site-to-site VPN

D. a point-to-site VPN

## Question #79

Topic 5

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.

Question #80

Topic 5

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

Name	Region
RG1	East US
RG2	West US

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

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

You create a Recovery Services vault named Vault1 in RG1 in the West US location.

You need to identify which storage accounts can be used to archive the diagnostics logs of Vault1.

Which storage accounts should you identify?

- A. Storage1 only
- B. Storage2 only
- C. Storage3 only
- D. Storage1 or Storage2 only
- E. Storage1 or Storage3 only

Question #81

Topic 5

**HOTSPOT -**

You have an Azure subscription.

You plan to deploy two Azure web apps that have the requirements shown in the following table.

Name	Requirement
App1	<ul style="list-style-type: none"><li>Accessible by using a URL of https://app1.contoso.com</li><li>Scalable to two instances during busy periods</li><li>Supports two deployment slots</li></ul>
App2	<ul style="list-style-type: none"><li>Accessible by using a URL of https://app2.contoso.com</li><li>Scalable to 15 instances during busy periods</li><li>Supports three deployment slots</li></ul>

You need to select the App Service plans for the web apps. The solution must minimize costs.

Which App Service plan should you select for each web app? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

App1:

- B1 Basic
- D1 Shared
- P1v2 PremiumV2
- S1 Standard

App2:

- B1 Basic
- D1 Shared
- P1v2 PremiumV2
- S1 Standard

## Question #82

## Topic 5

You have an Azure subscription.

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

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

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.

## Question #83

## Topic 5

A company plans to use third-party application software to perform complex data analysis processes. The software will use up to 500 identical virtual machines

(VMs) based on an Azure Marketplace VM image.

You need to design the infrastructure for the third-party application server. The solution must meet the following requirements:

- The number of VMs that are running at any given point in time must change when the user workload changes.
- When a new version of the application is available in Azure Marketplace it must be deployed without causing application downtime.
- Use VM scale sets.
- Minimize the need for ongoing maintenance.

Which two technologies should you recommend? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. single storage account
- B. autoscale
- C. single placement group
- D. managed disks

Question #84

Topic 5

**HOTSPOT -**

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

Name	Kind	Performance tier	Replication	Location
storage1	StorageV2	Premium	Locally-redundant storage (LRS)	East US
storage2	Storage	Standard	Geo-redundant storage (GRS)	UK West
storage3	BlobStorage	Standard	Locally-redundant storage (LRS)	North Europe

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Statements	Yes	No
storage1 can host Azure file shares.	<input type="radio"/>	<input type="radio"/>
There are six copies of the data in storage2.	<input type="radio"/>	<input type="radio"/>
storage3 can be converted to a GRS account.	<input type="radio"/>	<input type="radio"/>

Question #85

Topic 5

**HOTSPOT -**

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

Section1.

```
{  
  "$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 statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

**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"/>

Question #86

Topic 5

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

Name	Account kind	Size
contosostorage1	General Purpose v1	15 TB
contosostorage2	General Purpose v1	1 TB
contosostorage3	General Purpose v2	15 TB
contosostorage4	General Purpose v2	1 TB
contosostorage5	blobstorage	5 TB

All storage accounts contain blobs only.

You need to implement several lifecycle management rules for all storage accounts.

What should you do first?

- A. Upgrade contosostorage1 and contosostorage2 to General Purpose V2 accounts.
- B. Move 5 TB of blob data from contosostorage3 to contosostorage4.
- C. Move 5 TB of blob data from contosostorage1 to contosostorage2.
- D. Recreate contosostorage5 as a General Purpose V2 account.

Question #87

Topic 5

**HOTSPOT -**

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

Name	Region
RG1	East US
RG2	West 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 availability 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.

Hot Area:

**Answer Area**

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"/>

Question #88

Topic 5

**DRAG DROP -**

You have an Azure virtual machine named VM1 that runs Windows Server 2016.

You install a line-to-business application on VM1.

You need to create an Azure virtual machine by using VM1 as a custom image.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

<b>Actions</b>	<b>Answer Area</b>
Run <code>sysprep.exe</code> on VM1.	
Install Network Load Balancing (NLB) on VM1.	
From Azure CLI, deallocate VM1 and mark VM1 as generalized.	◀ ▶
From Azure CLI, apply a custom script extension.	
Create a virtual machines scale set.	

Question #89

Topic 5

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 the Admin1 can create access reviews in contoso.com.

Solution: You consent to Azure AD Privileged Identity Management (PIM).

Does this meet the goal?

A. Yes

B. No

## Question #90

Topic 5

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 the Admin1 can create access reviews in contoso.com.

Solution: You assign the Global administrator role to Admin1.

Does this meet the goal?

A. Yes

B. No

## Question #91

Topic 5

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 the Admin1 can create access reviews in contoso.com.

Solution: You purchase an Azure Directory Premium P2 license for contoso.com.

Does this meet the goal?

A. Yes

B. No

## Question #92

Topic 5

You have a resource group named RG1 that contains the following:

A virtual network that contains two subnets named Subnet1 and Subnet2

An Azure Storage account named contososa1

An Azure firewall deployed to Subnet2

You need to ensure that contososa1 is accessible from Subnet1 over the Azure backbone network.

What should you do?

A. Deploy an Azure firewall to Subnet1.

B. Remove the Azure firewall.

C. Implement a virtual network service endpoint.

D. Create a stored access policy for contososa1.

Question #93

Topic 5

Your company has the groups shown in the following table.

Group	Number of members
Managers	10
Sales	100
Development	15

The company has an Azure subscription that contains an Azure Active Directory (Azure AD) tenant named contoso.com.

An administrator named Admin1 attempts to enable Enterprise State Roaming for all the users in the Managers group.

Admin1 reports that the options for Enterprise State Roaming are unavailable from Azure AD.

You verify that Admin1 is assigned the Global administrator role.

You need to ensure that Admin1 can enable Enterprise State Roaming.

What should you do?

- A. Enforce Azure Multi-Factor Authentication (MFA) for Admin1.
- B. Purchase an Azure AD Premium P1 license for each user in the Managers group.
- C. Assign an Azure AD Privileged Identity Management (PIM) role to Admin1.
- D. Purchase an Azure Rights Management (Azure RMS) license for each user in the Managers group.

Question #94

Topic 5

**HOTSPOT -**

You plan to deploy an Azure virtual machine named VM1 by using an Azure Resource Manager template.

You need to complete the template.

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

```
{  
    "type": "Microsoft.Compute/virtualMachines",  
    "apiVersion": "2018-10-01",  
    "name": "VM1",  
    "location": "[parameters('location')]",  
    "dependsOn": [  
        "[resourceId('Microsoft.Storage/storageAccounts/', variables('Name3'))]",  
        "[resourceId(  
            'Microsoft.Network/publicIPAddresses/'  
            'Microsoft.Network/virtualNetworks/  
            'Microsoft.Network/networkInterfaces/  
            'Microsoft.Network/virtualNetworks/subnets'  
            'Microsoft.Storage/storageAccounts/'  
        ), variables('Name4'))]"  
    ],  
    {  
        "type": "Microsoft.Network/networkInterfaces",  
        "apiVersion": "2018-11-01",  
        "name": "NIC1",  
        "location": "[parameters('location')]",  
        "dependsOn": [  
            "[resourceId('Microsoft.Network/publicIPAddresses/', variables('Name1'))]",  
            "[resourceId(  
                'Microsoft.Network/publicIPAddresses/'  
                'Microsoft.Network/virtualNetworks/  
                'Microsoft.Network/networkInterfaces/  
                'Microsoft.Network/virtualNetworks/subnets'  
                'Microsoft.Storage/storageAccounts/'  
            ), variables('Name2'))]"  
        ],  
    },  
}
```

Question #95

Topic 5

**HOTSPOT -**

You plan to create a virtual machine as shown in the following exhibit.

**Summary**

Validation passed

**Basics**

Subscription	Microsoft Azure Sponsorship
Resource group	confcompute
Location	East US

Image	Windows Server 2016 Datacenter
Name	vm1
Username	labadmin
Password	*****

**Virtual Machine Settings**

Virtual machine size	Standard_DC2s
OS disk type	Premium SSD
Virtual network	vnet1
Subnet	subnet1
Subnet address prefix	10.0.0.0/24
Select public inbound ports	None
Boot diagnostics	Enabled
Diagnostic storage account	wmconf1a6f712e904

**OK**[Download template and parameters](#)

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

The performance of the operating system disk **[answer choice]**.

will decrease over time
will increase over time
is guaranteed to remain the same

Vm1 will use **[answer choice]** for data protection.

dm-crypt
secure enclaves
secure shell (SSH)

Question #96

Topic 5

**HOTSPOT -**

A company runs multiple Windows virtual machines (VMs) in Azure.

The IT operations department wants to apply the same policies as they have for on-premises VMs to the VMs running in Azure, including domain administrator permissions and schema extensions.

You need to recommend a solution for the hybrid scenario that minimizes the amount of maintenance required.

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Component	Action
Domain	<ul style="list-style-type: none"><li>Join the VMs to the existing on-premises domain.</li><li>Join the VMs to a new domain controller VM in Azure.</li><li>Join the VMs to Azure Active Directory Domain Services (AD DS).</li></ul>
Connectivity	<ul style="list-style-type: none"><li>Set up VPN connectivity.</li><li>Set up HTTPS connectivity.</li><li>Set up Azure Relay Service.</li></ul>

Question #97

Topic 5

**HOTSPOT -**

Your company has an Azure Container Registry named Registry1.

You have an Azure virtual machine named Server1 that runs Windows Server 2019.

From Server1, you create a container image named image1.

You need to add image1 to Registry1.

Which command should you run on Server1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

<input type="checkbox"/> docker	<input type="checkbox"/> push	<input type="checkbox"/> /image1
<input type="checkbox"/> AzCopy		
<input type="checkbox"/> Robocopy		
<input type="checkbox"/> esentutl		

## Question #98

Your company has an office in Seattle.

You have an Azure subscription that contains a virtual network named VNET1.

You create a site-to-site VPN between the Seattle office and VNET1.

VNET1 contains the subnets shown in the following table.

Name	IP address space
Subnet1	10.1.1.0/24
GatewaySubnet	10.1.200.0/28

You need to route all Internet-bound traffic from Subnet1 to the Seattle office.

What should you create?

- A. a route for GatewaySubnet that uses the virtual network gateway as the next hop
- B. a route for GatewaySubnet that uses the local network gateway as the next hop
- C. a route for Subnet1 that uses the local network gateway as the next hop
- D. a route for Subnet1 that uses the virtual network gateway as the next hop

## Question #99

HOTSPOT -

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

Name	Region	In resource group
Sq11	West US	RG1
Sq12	West US	RG1

The subscription contains the elastic pools shown in the following table.

Name	On Azure SQL server
Pool1	Sq11
Pool2	Sq11
Pool3	Sq12

The subscription contains the Azure SQL databases shown in the following table.

Name	On Azure SQL server	Pool
DB1	Sq11	Pool1
DB2	Sq11	Pool2
DB3	Sq11	None

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Statements	Yes	No
DB1 can be removed from Pool1 and added to Pool2	<input type="radio"/>	<input type="radio"/>
DB2 can be removed from Pool2 and added to Pool3	<input type="radio"/>	<input type="radio"/>
DB3 can be added to Pool1	<input type="radio"/>	<input type="radio"/>

## Question #100

*Topic 5*

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 create an access package.

Does this meet the goal?

A. Yes

B. No

## Question #101

*Topic 5*

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

Question #102

Topic 5

**HOTSPOT -**

You have an Azure Resource Manager template for a virtual machine named Template1. Template1 has the following parameters section.

```
"parameters": {  
    "adminUsername": {  
        "type": "string"  
    },  
    "adminPassword": {  
        "type": "securestring"  
    },  
    "dnsLabelPrefix": {  
        "type": "string"  
    },  
    "windowsOSVersion": {  
        "type": "string"  
        "defaultValue": "2016-Datacenter",  
        "allowedValues": [  
            "2016-Datacenter",  
            "2019-Datacenter"  
        ]  
    },  
    "location": {  
        "type": "String",  
        "allowedValues": [  
            "eastus",  
            "centralus",  
            "westus" ]  
    }  
},
```

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Statements	Yes	No
When you deploy Template1, you are prompted for a resource group.	<input type="radio"/>	<input type="radio"/>
When you deploy Template1, you are prompted for the Windows operating system version.	<input type="radio"/>	<input type="radio"/>
When you deploy Template1, you are prompted for a location.	<input type="radio"/>	<input type="radio"/>

Question #103

Topic 5

**HOTSPOT -**

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.

Hot Area:

**Answer Area****Statements****Yes****No**

If User1 modifies the desktop background of Computer1, User1 will see the changed background when signing in to Computer3.

If User2 modifies the desktop background of Computer1, User2 will see the changed background when signing in to Computer2.

If User1 modifies the desktop background of Computer3, User1 will see the changed background when signing in to Computer2.

Question #104

Topic 5

**DRAG DROP -**

You have an Azure virtual machine named VM1 that runs Windows Server 2016.

You install a line-of-business application on VM1.

You need to create a scale set by using VM1 as a custom image.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

**Actions****Answer Area**

From Azure CLI, apply a custom script extension.

Run sysprep.exe on VM1.

From Azure CLI, deallocate VM1 and mark VM1 as generalized.

Install Network Load Balancing (NLB) on VM1.

Create a virtual machine scale set.



Question #105

Topic 5

**HOTSPOT -**

You have an Azure web app named App1 that has the following configurations:

- The app runs on three instances.
- The minimum number of instances is one.
- The maximum number of instances is five.

You create the following autoscale rules for App1:

- Decrease the instance count by one when the CPU percentage is less than 30.
- Decrease the instance count by one when the memory percentage is less than 50.
- Increase the instance count by one when the CPU percentage is greater than 80.
- Increase the instance count by one when the memory percentage is greater than 75.

You expect App1 to be utilized as shown in the following table.

Day	Hours	CPU	Memory
Monday to Friday	08:00 to 23:59	85%	40%
Monday to Friday	00:00 to 07:59	25%	60%
Saturday to Sunday	00:00 to 23:59	30%	55%

You need to identify the maximum number of instances that will be used by App1 during the expected periods of utilization.

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Monday to Friday 00:00–07:59:

1
2
3
4
5

Monday to Friday 08:00–23:59:

1
2
3
4
5

Saturday to Sunday 00:00-23:59:

1
2
3
4
5

## Question #106

Topic 5

You have an Azure subscription named Subscription1 that contains an Azure virtual network named VNet1. VNet1 connects to your on-premises network by using Azure ExpressRoute.

You plan to prepare the environment for automatic failover in case of ExpressRoute failure.

You need to connect VNet1 to the on-premises network by using a site-to-site VPN. The solution must minimize cost.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Create a VPN gateway that uses the VpnGw1 SKU.
- B. Create a connection.
- C. Create a local site VPN gateway.
- D. Create a gateway subnet.
- E. Create a VPN gateway that uses the Basic SKU.

## Question #107

Topic 5

You have an Azure web app named App1 that is configured to run between two and five instances. There are currently three instances of App1 running.

App1 has the following autoscale rules:

Increase the instance count by one when the CPU percentage is greater or equal to 80.

Decrease the instance count by one when the CPU percentage is less than or equal to 60.

You are evaluating the following CPU percentage of utilization for App1:

- 60%
- 55%
- 50%
- 45%

You need to identify which utilizations will cause App1 to scale in.

- A. 45% only
- B. 45% and 50% only
- C. 50% and 55% only
- D. 45%, 50%, and 55% only

## Question #108

Topic 5

You monitor Azure virtual machines by using Azure Monitor.

You plan to restart the virtual machines when CPU usage exceeds 95 percent for more than 30 minutes.

You need to create an alert in Azure Monitor to restart the virtual machines. The solution must minimize administrative effort.

Which type of action should you use in the alert?

- A. ITSM
- B. Webhook
- C. Automation Runbook
- D. Logic App

Question #109

*Topic 5*

You have a server named Server1 that runs Windows Server 2019. Server1 is a container host.

You plan to create a container image.

You create the following instructions in a text editor.

```
FROM mcr.microsoft.com/windows/servercore:lts2019
LABEL maintainer="User1@contoso.com"
RUN dism.exe /online /enable-feature /all /featurename:iis-webserver /NoRestart
RUN echo "Hello World!" > c:\inetpub\wwwroot\index.html
```

You need to be able to automate the container image creation by using the instructions.

To which file should you save the instructions?

- A. dockerconfig.json
- B. Dockerfile
- C. daemon.json
- D. Build.ini

Question #110

*Topic 5*

You have an Azure subscription that contains a resource group named RG1. RG1 contains multiple resources.

You need to trigger an alert when the resources in RG1 consume \$1,000 USD.

What should you do?

- A. From Cost Management + Billing, add a cloud connector.
- B. From the subscription, create an event subscription.
- C. From Cost Management + Billing create a budget.
- D. From RG1, create an event subscription.

Question #111

Topic 5

**HOTSPOT -**

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

Name	Type	Azure region
Vault1	Recovery Services vault	West US
KeyVault1	Azure key vault	Central US

You plan to deploy an Azure virtual machine that will have the following configurations:

- Name: VM1
- Azure region: Central US
- Image: Ubuntu Server 18.04 LTS
- Operating system disk size: 1 TB
- Virtual machine generation: Gen 2
- Operating system disk type: Standard SSD

You need to protect VM1 by using Azure Disk Encryption and Azure Backup.

On VM1, which configurations should you change? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

For Azure Disk Encryption, change:

Azure region
Image
Operating system disk type
Operating system disk size
Virtual machine generation

For Azure Backup, change:

Azure region
Image
Operating system disk type
Operating system disk size
Virtual machine generation

**Topic 6 - Question Set 6**

Question #1

Topic 6

You have an Azure subscription named Subscription1. Subscription1 contains a virtual machine named VM1. You have a computer Computer1 that runs Windows.

10. Computer1 is connected to the Internet.

You add a network interface named Interface1 to VM1 as shown in the exhibit. (Click the Exhibit tab.)

**Network Interface: Interface1**

Virtual network/subnet: VMRD-vnet/default      Public IP: IP2      Private IP: 10.0.0.6  
Accelerated networking: Disabled

**INBOUND PORT RULES**

PRIORITY	NAME	PORT	PROTOCOL	SOURCE	DESTINA...	ACTION	...
1000	default-allow-3389	3389	TCP	Any	Any	Allow	...
65000	AllowVnetInBound	Any	Any	VirtualN...	VirtualN...	Allow	...
65001	AllowAzureLoadB...	Any	Any	AzureLo...	Any	Allow	...
65500	DenyAllInBound	Any	Any	Any	Any	Deny	...

**OUTBOUND PORT RULES**

PRIORITY	NAME	PORT	PROTOCOL	SOURCE	DESTINA...	ACTION	...
65000	AllowVnetOutBo...	Any	Any	VirtualN...	VirtualN...	Allow	...
65001	AllowInternetOut...	Any	Any	Any	Internet	Allow	...
65500	DenyAllOutBound	Any	Any	Any	Any	Deny	...

From Computer1, you attempt to connect to VM1 by using Remote Desktop, but the connection fails.

You need to establish a Remote Desktop connection to VM1.

What should you do first?

- A. Attach a network interface
- B. Start VM1
- C. Delete the DenyAllOutBound outbound port rule
- D. Delete the DenyAllInBound inbound port rule

## Question #2

*Topic 6*

You are designing an Azure solution.

The solution must meet the following requirements:

Distribute traffic to different pools of dedicated virtual machines (VMs) based on rules

Provide SSL offloading capabilities

You need to recommend a solution to distribute network traffic.

Which technology should you recommend?

- A. server-level firewall rules
- B. Azure Application Gateway
- C. Azure Traffic Manager
- D. Azure Load Balancer

Question #3

Topic 6

**HOTSPOT -**

You have an Azure subscription named Subscription1.

In Subscription1, you create an alert rule named Alert1. The Alert1 action group is configured as shown in the following exhibit.

PS Azure:\> Get-AzureRmActionGroup

```
ResourceGroupName      : default-activitylogalerts
GroupShortName         : AG1
Enabled                : True
EmailReceivers         : {Action1_-EmailAction-}
SmsReceivers           : {Action1_-SMSAction-}
WebhookReceivers       : {}
Id: /subscriptions/a4fde29b-d56a-4f6c-8298-6c53cd0b720c/resourceGroups/default-
activitylogalerts/providers/microsoft.insights/actionGroups/ActionGroup1
Name                  : ActionGroup1
Type                  : Microsoft.Insights/ActionGroups
Location              : Global
Tags                  : {}
```

Alert1 alert criteria is triggered every minute.

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

The number of email messages that Alert1 will send in an hour is [answer choice].

0
4
6
12
60

The number of SMS messages that Alert1 will send in an hour is [answer choice].

0
4
6
12
60

## Question #4

## HOTSPOT -

You have an Azure subscription named Subscription1 that contains the resources in the following table.

Name	Type
VM1	Virtual machine
VM2	Virtual machine
LB1	Load balancer

A web server runs on VM1 and VM2.

When you request a webpage named Page1.htm from the Internet, LB1 balances the web requests to VM1 and VM2., and you receive a response.

On LB1, you have a rule named Rule1 as shown in the Rule1 exhibit. (Click the Exhibit tab.)

\*Name

\* IP Version  
 IPv4  IPv6

\*Frontend IP address

Protocol  
 TCP  UDP

\*Port

\*Backend port

Backend pool

Health probe

Session persistence

Idle timeout (minutes)  
 4

Floating IP (direct server return)

Disabled

You have a health probe named Probe1 as shown in the Probe1 exhibit. (Click the Exhibit tab.)

\*Name

\* IP Version  
 IPv4

Protocol  
 HTTP  TCP

\*Port

\*Path

\*Interval  
 seconds

\*Unhealthy threshold  
 consecutive failures

Used by

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

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

#### Statements

	<b>Yes</b>	<b>No</b>
If a user is served Page1.htm from VM1, and then the user refreshes the web browser, Page1.htm will be refreshed from VM1 always.	<input type="radio"/>	<input type="radio"/>
If you change the protocol of Rule1, all the web requests will fail.	<input type="radio"/>	<input type="radio"/>
If you delete Probe1.htm from VM2, LB1 will route all the web requests to VM1.	<input type="radio"/>	<input type="radio"/>

Question #5

Topic 6

You develop an entertainment application where users can buy and trade virtual real estate. The application must scale to support thousands of users.

The current architecture includes five Azure virtual machines (VM) that connect to an Azure SQL Database for account information and Azure Table Storage for backend services. A user interacts with these components in the cloud at any given time.

- Routing Service "" Routes a request to the appropriate service and must not persist data across sessions.
- Account Service "" Stores and manages all account information and authentication and requires data to persist across sessions
- User Service "" Stores and manages all user information and requires data to persist across sessions.
- Housing Network Service "" Stores and manages the current real-estate economy and requires data to persist across sessions.
- Trade Service "" Stores and manages virtual trade between accounts and requires data to persist across sessions.

Due to volatile user traffic, a microservices solution is selected for scale agility.

You need to migrate to a distributed microservices solution on Azure Service Fabric.

Solution: Deploy a Windows container to Azure Service Fabric for each component.

Does the solution meet the goal?

- A. Yes
- B. No

Question #6

Topic 6

**SIMULATION -**

Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.

The screenshot shows two browser windows. The top window displays the Microsoft Azure sign-in page, which includes fields for 'Email, phone, or Skype', links for 'Can't access your account?' and 'No account? Create one!', and a 'Next' button. The bottom window shows the Microsoft Azure dashboard, featuring a sidebar with various service icons like 'Create a resource', 'All services', 'FAVORITES' (which includes 'Dashboard', 'All resources', 'Resource groups', 'App Services', 'Function Apps', 'SQL databases', 'Azure Cosmos DB', 'Virtual machines', 'Load balancers', 'Storage accounts', 'Virtual networks', 'Azure Active Directory', 'Monitor', 'Advisor', 'Security Center', and 'Cost Management + Bill...'), and a main area titled 'Dashboard' with sections for 'All resources' and 'Azure getting started made easy!'. It also lists 'Quickstarts + tutorials' for 'Windows Virtual Machines', 'Linux Virtual Machines', 'App Service', 'Functions', and 'SQL Database'.

## Create storage account

✓ Validation passed

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)

### BASICS

Subscription	Microsoft AZ-300 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

### ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

[Create](#)

[Previous](#)

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[Download a template for automation](#)

## Create storage account

[Basics](#) [Advanced](#) [Tags](#) [Review + create](#)**BASICS**

Subscription	Microsoft AZ-300 5
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Performance	Standard
Access tier (default)	Hot

**ADVANCED**

Secure transfer required	Enabled
Hierarchical namespace	Disabled

## Microsoft.StorageAccount-20181011170335 - Overview

## Deployment

Search (Ctrl+ /) Delete Cancel Redeploy Refresh

- Overview
- Outputs
- Inputs
- Template

**... Your deployment is underway**

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

Deployment  
 name: Microsoft.StorageAccount-20181011170335  
 Subscription: Microsoft AZ-300 5  
 Resource group: corpdatalod7523690

**DEPLOYMENT DETAILS** (Download)

Start time: 10/11/2018 5:04:06 PM  
Duration: 17 seconds  
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

RESOURCE	TYPE	STATUS	OPERATI...
No results.			

## Create a virtual machine

! Validation failed. Required information is missing or not valid.

[Basics](#) • [Disks](#) [Networking](#) [Management](#) [Guest config](#) [Tags](#) [Review + create](#)

### PRODUCT DETAILS

Ubuntu Server 18.04 LTS

by Canonical

[Terms of use](#) | [Privacy policy](#)

Pricing not available for this offering

View [Pricing details](#) for more information.

Standard D2s v3

by Microsoft

[Terms of use](#) | [Privacy policy](#)

Subscription credits apply ⓘ

**0.0960 USD/hr**

[Pricing for other VM sizes](#)

### TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

When you are finished performing all the tasks, click the "Next" button.

Note that you cannot return to the lab once you click the "Next" button. Scoring occurs in the background while you complete the rest of the exam.

### Overview -

The following section of the exam is a lab. In this section, you will perform a set of tasks in a live environment. While most functionality will be available to you as it would be in a live environment, some functionality (e.g., copy and paste, ability to navigate to external websites) will not be possible by design.

Scoring is based on the outcome of performing the tasks stated in the lab. In other words, it doesn't matter how you accomplish the task, if you successfully perform it, you will earn credit for that task.

Labs are not timed separately, and this exam may have more than one lab that you must complete. You can use as much time as you would like to complete each lab. But, you should manage your time appropriately to ensure that you are able to complete the lab(s) and all other sections of the exam in the time provided.

Please note that once you submit your work by clicking the Next button within a lab, you will NOT be able to return to the lab.

### To start the lab -

You may start the lab by clicking the Next button.

You plan to create several virtual machines in different availability zones, and then to configure the virtual machines to load balanced connections from the Internet.

You need to create an IP address resource named ip1006 to support the planned load balancing solution.

The solution must minimize costs.

What should you do from the Azure portal?

## Question #7

*Topic 6*

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

Name	Contains
Storagecontoso1	A blob service and a table service
Storagecontoso2	A blob service and a file service
Storagecontoso3	A queue service
Storagecontoso4	A file service and a queue service
Storagecontoso5	A table service

You enable Storage Advanced Threat Protection (ATP) for all the storage accounts.

You need to identify which storage accounts will generate Storage ATP alerts.

Which two storage accounts should you identify? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. storagecontoso1
- B. storagecontoso2
- C. storagecontoso3
- D. storagecontoso4
- E. storagecontoso5

**Topic 7 - Testlet 1**

Question #1

## Introductory Info

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

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

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

To start the case study -

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Overview -

Contoso, Ltd. is a manufacturing company that has offices worldwide. Contoso works with partner organizations to bring products to market. Contoso products are manufactured by using blueprint files that the company authors and maintains.

Existing Environment -

Currently, Contoso uses multiple types of servers for business operations, including the following:

File servers

Domain controllers

Microsoft SQL Server servers

Your network contains an Active Directory forest named contoso.com. All servers and client computers are joined to Active Directory.

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.

Requirements -

Planned Changes -

Contoso plans to implement the following changes to the infrastructure:

Move all the tiers of App1 to Azure.

Move the existing product blueprint files to Azure Blob storage.

Create a hybrid directory to support an upcoming Microsoft Office 365 migration project.

Technical Requirements -

Contoso must meet the following technical requirements:

Move all the virtual machines for App1 to Azure.

Minimize the number of open ports between the App1 tiers.

Ensure that all the virtual machines for App1 are protected by backups.

Copy the blueprint files to Azure over the Internet.

Ensure that the blueprint files are stored in the archive storage tier.

Ensure that partner access to the blueprint files is secured and temporary.

Prevent user passwords or hashes of passwords from being stored in Azure.

Use unmanaged standard storage for the hard disks of the virtual machines.

Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity.

Minimize administrative effort whenever possible.

User Requirements -

Contoso identifies the following requirements for users:

Ensure that only users who are part of a group named Pilot can join devices to Azure AD.

Designate a new user named Admin1 as the service admin for the Azure subscription.

Admin1 must receive email alerts regarding service outages.

Ensure that a new user named User3 can create network objects for the Azure subscription.

#### Question

HOTSPOT -

You need to identify the storage requirements for Contoso.

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

NOTE: Each correct selection is worth one point.

Hot Area:

#### Answer Area

Statements	Yes	No
Contoso requires a storage account that supports Blob storage.	<input type="radio"/>	<input type="radio"/>
Contoso requires a storage account that supports Azure Table storage.	<input type="radio"/>	<input type="radio"/>
Contoso requires a storage account that supports Azure File Storage.	<input type="radio"/>	<input type="radio"/>

Question #2

### Introductory Info

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Requirements -

Planned Changes -

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Create a hybrid directory to support an upcoming Microsoft Office 365 migration project.

Technical Requirements -

Contoso must meet the following technical requirements:

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Copy the blueprint files to Azure over the Internet.

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Ensure that partner access to the blueprint files is secured and temporary.

Prevent user passwords or hashes of passwords from being stored in Azure.

Use unmanaged standard storage for the hard disks of the virtual machines.

Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity.

Minimize administrative effort whenever possible.

User Requirements -

Contoso identifies the following requirements for users:

Ensure that only users who are part of a group named Pilot can join devices to Azure AD.

Designate a new user named Admin1 as the service admin for the Azure subscription.

Admin1 must receive email alerts regarding service outages.

Ensure that a new user named User3 can create network objects for the Azure subscription.

### Question

You need to move the blueprint files to Azure.

What should you do?

- A. Use the Azure Import/Export service.
- B. Generate a shared access signature (SAS). Map a drive, and then copy the files by using File Explorer.
- C. Use Azure Storage Explorer to copy the files.
- D. Generate an access key. Map a drive, and then copy the files by using File Explorer.

Question #3

## Introductory Info

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Requirements -

Planned Changes -

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Use unmanaged standard storage for the hard disks of the virtual machines.

Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity.

Minimize administrative effort whenever possible.

User Requirements -

Contoso identifies the following requirements for users:

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Designate a new user named Admin1 as the service admin for the Azure subscription.

Admin1 must receive email alerts regarding service outages.

Ensure that a new user named User3 can create network objects for the Azure subscription.

### Question

You need to implement a backup solution for App1 after the application is moved.

What should you create first?

- A. an Azure Backup Server
- B. a Recovery Services vault
- C. a recovery plan
- D. a backup policy

### Topic 8 - Testlet 2

Question #1

## Introductory Info

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Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity.

Minimize administrative effort whenever possible.

User Requirements -

Contoso identifies the following requirements for users:

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Designate a new user named Admin1 as the service admin for the Azure subscription.

Admin1 must receive email alerts regarding service outages.

Ensure that a new user named User3 can create network objects for the Azure subscription.

### Question

You need to recommend an identity solution that meets the technical requirements.

What should you recommend?

- A. password hash synchronization and single sign-on (SSO)
- B. federated single sign-on (SSO) and Active Directory Federation Services (AD FS)
- C. Pass-thorough Authentication and single sign-on (SSO)
- D. cloud-only user accounts

**Topic 9 - Testlet 3**

Question #1

## Introductory Info

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

Requirements -

Planned Changes -

Contoso plans to implement the following changes to the infrastructure:

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Designate a new user named Admin1 as the service admin for the Azure subscription.

Admin1 must receive email alerts regarding service outages.

Ensure that a new user named User3 can create network objects for the Azure subscription.

### Question

HOTSPOT -

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.

Hot Area:

### Answer Area

Number of virtual networks:

	▼
1	
2	
3	

Number of subnets per virtual network:

	▼
1	
2	
3	

Topic 10 - Testlet 4

Question #1

Topic 10

## Introductory Info

### Case Study -

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### Overview -

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

### Existing Environment -

#### Active Directory Environment -

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

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

#### Network Infrastructure -

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

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

#### Active Directory Issue -

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

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

#### Licensing Issue -

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

You verify that the Azure subscription has the available licenses.

#### Requirements -

#### Planned Changes -

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

#### Planned Azure AD Infrastructure -

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

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

#### Planned Azure Networking Infrastructure

You plan to create the following networking resources in a resource group named All\_Resources:

- Default Azure system routes that will be the only routes used to route traffic
- A virtual network named Paris-VNet that will contain two subnets named Subnet1 and Subnet2
- A virtual network named ClientResources-VNet that will contain one subnet named ClientSubnet
- A virtual network named AllOffices-VNet that will contain two subnets named Subnet3 and Subnet4

You plan to enable peering between Paris-VNet and AllOffices-VNet. You will enable the Use remote gateways setting for the Paris-VNet peerings. You plan to create a private DNS zone named humongousinsurance.local and set the registration network to the ClientResources-VNet virtual network.

#### Planned Azure Computer Infrastructure

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

#### Department Requirements -

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

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

#### Authentication Requirements -

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

#### Question

HOTSPOT -

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

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

Hot Area:

## Answer Area

Statements	Yes	No
The virtual machines on Subnet1 will be able to connect to the virtual machines on Subnet3.	<input type="radio"/>	<input type="radio"/>
The virtual machines on ClientSubnet will be able to connect to the Internet.	<input type="radio"/>	<input type="radio"/>
The virtual machines on Subnet3 and Subnet4 will be able to connect to the Internet.	<input type="radio"/>	<input type="radio"/>

Question #2

Topic 10

## Introductory Info

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#### Requirements -

#### Planned Changes -

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#### Planned Azure AD Infrastructure -

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#### Authentication Requirements -

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#### Question

DRAG DROP -

You need to prepare the environment to ensure that the web administrators can deploy the web apps as quickly as possible.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

#### Actions

#### Answer Area

From the Automation script blade of the resource group, click **Deploy**.



From the Templates service, select the template, and then share the template to the web administrators.

From the Automation script blade of the resource group, click **Add to library**.



From the Automation Accounts service, add an automation account.

Create a resource group, and then deploy a web app to the resource group.

From the Automation script blade of the resource group, click the **Parameters** tab.



Question #3

Topic 10

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Requirements -

Planned Changes -

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#### Authentication Requirements -

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

#### Question

You need to resolve the licensing issue before you attempt to assign the license again.

What should you do?

- A. From the Directory role blade, modify the directory role
- B. From the Groups blade, invite the user accounts to a new group
- C. From the Profile blade, modify the usage location

Question #4

Topic 10

## Introductory Info

### Case Study -

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### Overview -

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

### Existing Environment -

#### Active Directory Environment -

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

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

#### Network Infrastructure -

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

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

#### Active Directory Issue -

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

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

#### Licensing Issue -

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

You verify that the Azure subscription has the available licenses.

#### Requirements -

#### Planned Changes -

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

#### Planned Azure AD Infrastructure -

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

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

#### Planned Azure Networking Infrastructure

You plan to create the following networking resources in a resource group named All\_Resources:

- Default Azure system routes that will be the only routes used to route traffic
- A virtual network named Paris-VNet that will contain two subnets named Subnet1 and Subnet2
- A virtual network named ClientResources-VNet that will contain one subnet named ClientSubnet
- A virtual network named AllOffices-VNet that will contain two subnets named Subnet3 and Subnet4

You plan to enable peering between Paris-VNet and AllOffices-VNet. You will enable the Use remote gateways setting for the Paris-VNet peerings. You plan to create a private DNS zone named humongousinsurance.local and set the registration network to the ClientResources-VNet virtual network.

#### Planned Azure Computer Infrastructure

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

#### Department Requirements -

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

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

#### Authentication Requirements -

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

#### Question

You need to define a custom domain name for Azure AD to support the planned infrastructure.

Which domain name should you use?

- A. ad.humongousinsurance.com
- B. humongousinsurance.local
- C. humongousinsurance.com
- D. humongousinsurance.onmicrosoft.com

#### Topic 11 - Testlet 5

Question #1

Topic 11

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Overview -

Contoso, Ltd. is a consulting company that has a main office in Montreal and two branch offices in Seattle and New York.

The Montreal office has 2,000 employees. The Seattle office has 1,000 employees. The New York office has 200 employees.

All the resources used by Contoso are hosted on-premises.

Contoso creates a new Azure subscription. The Azure Active Directory (Azure AD) tenant uses a domain named contoso.onmicrosoft.com. The tenant uses the

P1 pricing tier.

Existing Environment -

The network contains an Active Directory forest named contoso.com. All domain controllers are configured as DNS servers and host the contoso.com DNS zone.

Contoso has finance, human resources, sales, research, and information technology departments. Each department has an organizational unit (OU) that contains all the accounts of that respective department. All the user accounts have the department attribute set to their respective department. New users are added frequently.

Contoso.com contains a user named User1.

All the offices connect by using private links.

Contoso has data centers in the Montreal and Seattle offices. Each data center has a firewall that can be configured as a VPN device.

All infrastructure servers are virtualized. The virtualization environment contains the servers in the following table.

Name	Role	Contains virtual machine
Server1	VMWare vCenter server	VM1
Server2	Hyper-V host	VM2

Contoso uses two web applications named App1 and App2. Each instance on each web application requires 1GB of memory.

The Azure subscription contains the resources in the following table.

Name	Type
VNet1	Virtual network
VM3	Virtual machine
VM4	Virtual machine

The network security team implements several network security groups (NSGs).

Planned Changes -

Contoso plans to implement the following changes:

- Deploy Azure ExpressRoute to the Montreal office.
- Migrate the virtual machines hosted on Server1 and Server2 to Azure.
- Synchronize on-premises Active Directory to Azure Active Directory (Azure AD).
- Migrate App1 and App2 to two Azure web apps named WebApp1 and WebApp2.

Technical Requirements -

Contoso must meet the following technical requirements:

- Ensure that WebApp1 can adjust the number of instances automatically based on the load and can scale up to five instances.
- Ensure that VM3 can establish outbound connections over TCP port 8080 to the applications servers in the Montreal office.
- Ensure that routing information is exchanged automatically between Azure and the routers in the Montreal office.
- Enable Azure Multi-Factor Authentication (MFA) for the users in the finance department only.
- Ensure that webapp2.azurewebsites.net can be accessed by using the name app2.contoso.com
- Connect the New York office to VNet1 over the Internet by using an encrypted connection.
- Create a workflow to send an email message when the settings of VM4 are modified.
- Create a custom Azure role named Role1 that is based on the Reader role.
- Minimize costs whenever possible.

**Question**

HOTSPOT -

You need to meet the connection requirements for the New York office.

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

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

From the Azure portal:

- |                                                                   |
|-------------------------------------------------------------------|
| Create an ExpressRoute circuit only.                              |
| Create a virtual network gateway only.                            |
| Create a virtual network gateway and a local network gateway.     |
| Create an ExpressRoute circuit and an on-premises data gateway.   |
| Create a virtual network gateway and an on-premises data gateway. |

In the New York office:

- |                                          |
|------------------------------------------|
| Deploy ExpressRoute.                     |
| Deploy a DirectAccess server.            |
| Implement a Web Application Proxy.       |
| Configure a site-to-site VPN connection. |

Topic 12 - Testlet 6

Question #1

Topic 12

## Introductory Info

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### Overview -

ADatum Corporation is a financial company that has two main offices in New York and Los Angeles. ADatum has a subsidiary named Fabrikam, Inc. that shares the Los Angeles office.

ADatum is conducting an initial deployment of Azure services to host new line-of-business applications and is preparing to migrate its existing on-premises workloads to Azure.

ADatum uses Microsoft Exchange Online for email.

### Existing Environment -

#### On-Premises Environment -

The on-premises workloads run on virtual machines hosted in a VMware vSphere 6 infrastructure. All the virtual machines are members of an Active Directory forest named adatum.com and run Windows Server 2016.

The New York office uses an IP address space of 10.0.0.0/16. The Los Angeles office uses an IP address space of 10.10.0.0/16.

The offices connect by using a VPN provided by an ISP. Each office has one Azure ExpressRoute circuit that provides access to Azure services and Microsoft

Online Services. Routing is implemented by using Microsoft peering.

The New York office has a virtual machine named VM1 that has the vSphere console installed.

### Azure Environment -

You provision the Azure infrastructure by using the Azure portal. The infrastructure contains the resources shown in the following table.

Name	Type	Azure region
ASRV1	Azure Site Recovery vault	East US
ASRV2	Azure Site Recovery vault	West US
ASE1	Azure App Service Environment	East US
AG1	Azure Application Gateway (internal)	East US
AG2	Azure Application Gateway (Internet-facing)	West US
ER1	ExpressRoute circuit	East US
ER2	ExpressRoute circuit	West US

AG1 has two backend pools named Pool11 and Pool12. AG2 has two backend pools named Pool21 and Pool22.

### Requirements -

#### Planned Changes -

ADatum plans to migrate the virtual machines from the New York office to the East US Azure region by using Azure Site Recovery.

#### Infrastructure Requirements -

ADatum identifies the following infrastructure requirements:

- A new web app named App1 that will access third-parties for credit card processing must be deployed.

- A newly developed API must be implemented as an Azure function named App2. App2 will use a blob storage trigger. App2 must process new blobs immediately.
- The Azure infrastructure and the on-premises infrastructure must be prepared for the migration of the VMware virtual machines to Azure.
- The sizes of the Azure virtual machines that will be used to migrate the on-premises workloads must be identified.
- All migrated and newly deployed Azure virtual machines must be joined to the adatum.com domain.
- AG1 must load balance incoming traffic in the following manner:
  - [http://corporate.adatum.com/video/\\*](http://corporate.adatum.com/video/*) will be load balanced across Pool11.
  - [http://corporate.adatum.com/images/\\*](http://corporate.adatum.com/images/*) will be load balanced across Pool12.
- AG2 must load balance incoming traffic in the following manner:
  - <http://www.adatum.com> will be load balanced across Pool21.
  - <http://fabrikam.com> will be load balanced across Pool22.
- ER1 must route traffic between the New York office and platform as a service (PaaS) services in the East US Azure region, as long as ER1 is available.
- ER2 must route traffic between the Los Angeles office and the PaaS services in the West US region, as long as ER2 is available.
- ER1 and ER2 must be configured to fail over automatically.

#### Application Requirements -

App2 must be available to connect directly to the private IP addresses of the Azure virtual machines. App2 will be deployed directly to an Azure virtual network.

Inbound and outbound communications to App1 must be controlled by using NSGs.

#### Pricing Requirements -

ADatum identifies the following pricing requirements:

- The cost of App1 and App2 must be minimized
- The transactional charges of Azure Storage accounts must be minimized

#### Question

What should you create to configure AG2?

- A. multi-site listeners
- B. URL path-based routing rules
- C. basic routing rules
- D. an additional public IP address
- E. basic listeners

#### Topic 13 - Testlet 7

Question #1

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Overview -

Contoso, Ltd. is a manufacturing company that has offices worldwide. Contoso works with partner organizations to bring products to market. Contoso products are manufactured by using blueprint files that the company authors and maintains.

Existing Environment -

Currently, Contoso uses multiple types of servers for business operations, including the following:

File servers

Domain controllers

Microsoft SQL Server servers

Your network contains an Active Directory forest named contoso.com. All servers and client computers are joined to Active Directory.

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.

Requirements -

Planned Changes -

Contoso plans to implement the following changes to the infrastructure:

Move all the tiers of App1 to Azure.

Move the existing product blueprint files to Azure Blob storage.

Create a hybrid directory to support an upcoming Microsoft Office 365 migration project.

Technical Requirements -

Contoso must meet the following technical requirements:

Move all the virtual machines for App1 to Azure.

Minimize the number of open ports between the App1 tiers.

Ensure that all the virtual machines for App1 are protected by backups.

Copy the blueprint files to Azure over the Internet.

Ensure that the blueprint files are stored in the archive storage tier.

Ensure that partner access to the blueprint files is secured and temporary.

Prevent user passwords or hashes of passwords from being stored in Azure.

Use unmanaged standard storage for the hard disks of the virtual machines.

Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity.

Minimize administrative effort whenever possible.

User Requirements -

Contoso identifies the following requirements for users:

Ensure that only users who are part of a group named Pilot can join devices to Azure AD.

Designate a new user named Admin1 as the service admin for the Azure subscription.

Admin1 must receive email alerts regarding service outages.

Ensure that a new user named User3 can create network objects for the Azure subscription.

### Question

You need to implement a backup solution for App1 after the application is moved.

What should you create first?

- A. an Azure Backup Server
- B. a Recovery Services vault
- C. a backup policy
- D. a recovery plan

Question #2

Topic 13

## Introductory Info

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Requirements -

Planned Changes -

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Technical Requirements -

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Ensure that all the virtual machines for App1 are protected by backups.

Copy the blueprint files to Azure over the Internet.

Ensure that the blueprint files are stored in the archive storage tier.

Ensure that partner access to the blueprint files is secured and temporary.

Prevent user passwords or hashes of passwords from being stored in Azure.

Use unmanaged standard storage for the hard disks of the virtual machines.

Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity.

Minimize administrative effort whenever possible.

User Requirements -

Contoso identifies the following requirements for users:

Ensure that only users who are part of a group named Pilot can join devices to Azure AD.

Designate a new user named Admin1 as the service admin for the Azure subscription.

Admin1 must receive email alerts regarding service outages.

Ensure that a new user named User3 can create network objects for the Azure subscription.

### Question

HOTSPOT -

You need to identify the storage requirements for Contoso.

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

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

Statements	Yes	No
------------	-----	----

Contoso requires a storage account that supports Blob storage.

Contoso requires a storage account that supports Azure Table storage.

Contoso requires a storage account that supports Azure File Storage.

Question #3

Topic 13

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Requirements -

Planned Changes -

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Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity.

Minimize administrative effort whenever possible.

User Requirements -

Contoso identifies the following requirements for users:

Ensure that only users who are part of a group named Pilot can join devices to Azure AD.

Designate a new user named Admin1 as the service admin for the Azure subscription.

Admin1 must receive email alerts regarding service outages.

Ensure that a new user named User3 can create network objects for the Azure subscription.

### Question

You need to move the blueprint files to Azure.

What should you do?

- A. Use the Azure Import/Export service.
- B. Use Azure Storage Explorer to copy the files.
- C. Generate a shared access signature (SAS). Map a drive, and then copy the files by using File Explorer.
- D. Generate an access key. Map a drive, and then copy the files by using File Explorer.

Question #4

Topic 13

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Ensure that a new user named User3 can create network objects for the Azure subscription.

### Question

HOTSPOT -

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.

Hot Area:

### Answer Area

Number of virtual networks:

1
2
3

Number of subnets per virtual network:

1
2
3

### Topic 14 - More Questions.

Question #1

*Topic 14*

You have an on-premises virtual machine named VM1 configured as shown in the following exhibit.