



AZ-100^{Q&As}

Microsoft Azure Infrastructure and Deployment

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QUESTION 1

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

You install the Web Server server role (IIS) on VM1 and VM2, and then add VM1 and VM2 to LB1. LB1 is configured as shown in the LB1 exhibit. (Click the Exhibit button.)

Essentials ▾

Resource group (change)

VMRG

Location

West Europe

Subscription name (change)

Azure Pass

Subscription ID

e66d2b22-fde8-4af2-9323-d43516f6eb3e

SKU

Basic

Backend pool

Backend1 (2 virtual machines)

Health probe

Probe1 (HTTP:80/Probe1.htm)

Load balancing rule

Rule1 (TCP/80)

NAT rules

-

Public IP address

104.40.178.194 (LB1)

Rule1 is configured as shown in the Rule1 exhibit. (Click the Exhibit button.)



*Name

Rule1

* IP Version

IPv4 IPv6

*Frontend IP address

104.40.178.194 (LoadBalancerFrontEnd) v

Protocol

TCP UDP

*Port

80

*Backend port

80

Backend pool

BackEnd1 (2 virtual machines) v

Health probe

Probe1(HTTP:80/Probe1.htm) v

Session persistence

None v

Idle timeout (minutes)

4

Floating IP (direct server return)

Disabled

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 in the same availability set as VM2.	<input type="radio"/>	<input type="radio"/>
If Probe1.htm is present on VM1 and VM2, LB1 will balance TCP port 80 between VM1 and VM2.	<input type="radio"/>	<input type="radio"/>
If you delete Rule1, LB1 will balance all the requests between VM1 and VM2 for all the ports.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Answer Area

Statements

	Yes	No
VM1 is in the same availability set as VM2.	<input checked="" type="radio"/>	<input type="radio"/>
If Probe1.htm is present on VM1 and VM2, LB1 will balance TCP port 80 between VM1 and VM2.	<input checked="" type="radio"/>	<input type="radio"/>
If you delete Rule1, LB1 will balance all the requests between VM1 and VM2 for all the ports.	<input type="radio"/>	<input checked="" type="radio"/>

QUESTION 2

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

Correct Answer:

Answer Area

Number of virtual networks:

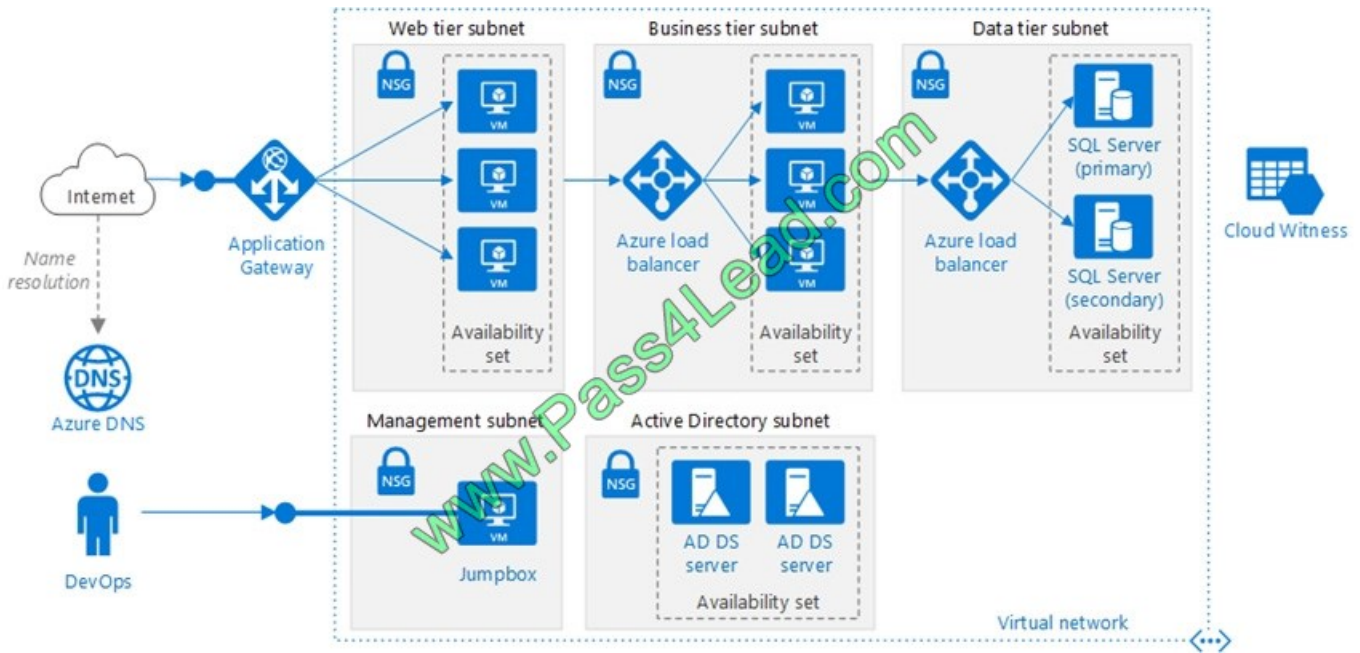
1
2
3

Number of subnets per virtual network:

1
2
3

Explanation:

This reference architecture shows how to deploy VMs and a virtual network configured for an N-tier application, using SQL Server on Windows for the data tier.



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

A SQL database

A web front end

A processing middle tier

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

Technical requirements include:

Move all the virtual machines for App1 to Azure.

Minimize the number of open ports between the App1 tiers.

References: <https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/n-tier/n-tier-sql-server>

QUESTION 3

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



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

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

- A. DC1
- B. FS1
- C. CA1
- D. SQL1

Correct Answer: D

QUESTION 4

HOTSPOT

You have an Azure subscription named Subscription1. Subscription1 contains two Azure virtual machines named VM1 and VM2. VM1 and VM2 run Windows Server 2016.

VM1 is backed up daily by Azure Backup without using the Azure Backup agent.

VM1 is affected by ransomware that encrypts data.

You need to restore the latest backup of VM1.

To which location can you restore the backup? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area

You can perform a file recovery of VM1 to:

	▼
VM1 only	
VM2 only	
VM1 and VM2 only	
A new Azure virtual machine only	
Any Windows computer that has Internet connectivity	

You can restore VM1 to:

	▼
VM1 only	
VM2 only	
VM1 and VM2 only	
A new Azure virtual machine only	
Any Windows computer that has Internet connectivity	

Correct Answer:

Answer Area

You can perform a file recovery of VM1 to:

	▼
VM1 only	
VM2 only	
VM1 and VM2 only	
A new Azure virtual machine only	
Any Windows computer that has Internet connectivity	

You can restore VM1 to:

	▼
VM1 only	
VM2 only	
VM1 and VM2 only	
A new Azure virtual machine only	
Any Windows computer that has Internet connectivity	

Explanation:

Box 1: VM1 only

To restore files or folders from the recovery point, go to the virtual machine and choose the desired recovery point.

Box 2: A new Azure virtual machine only

On the Restore configuration blade, you have two choices:



Create virtual machine

Restore disks

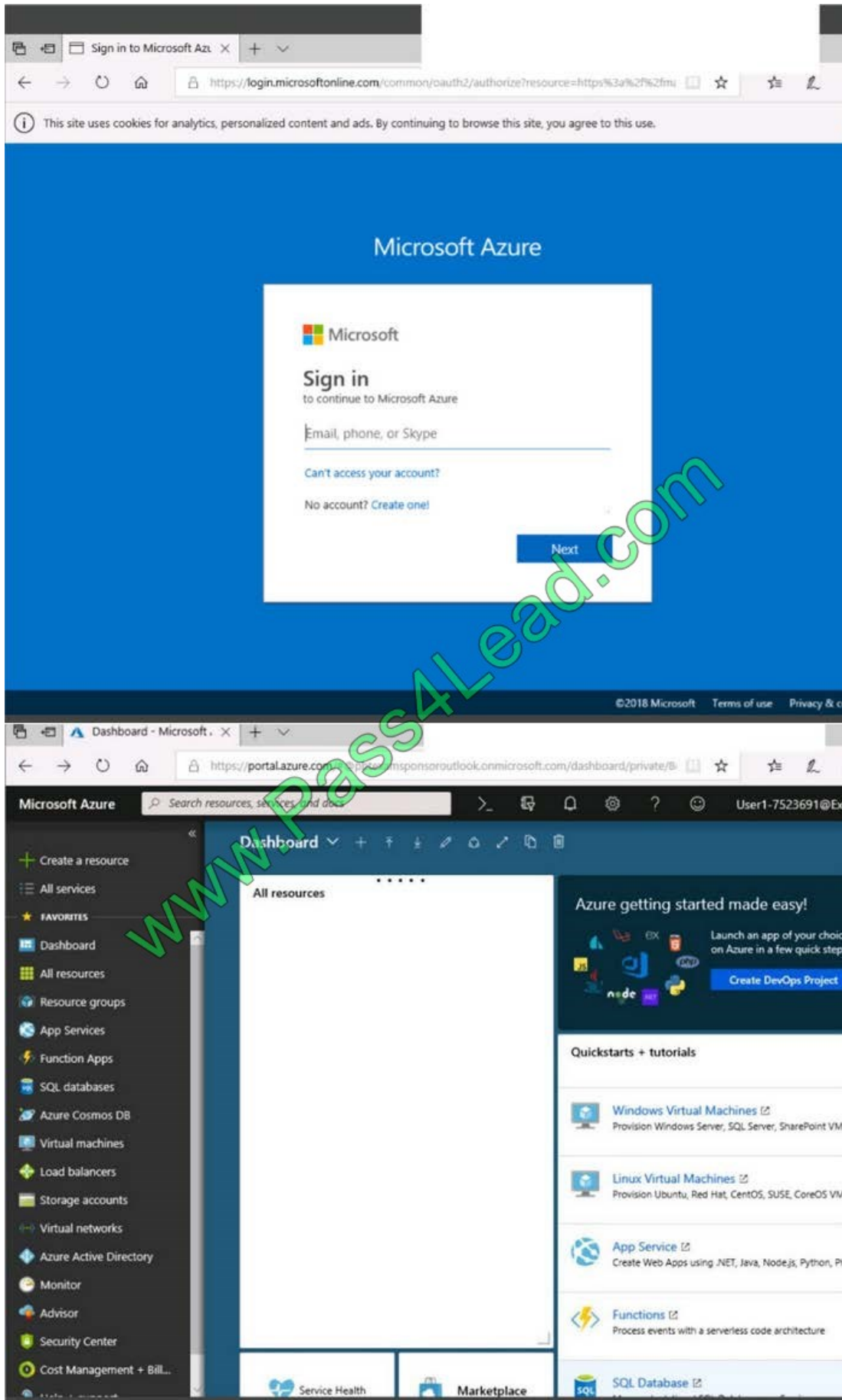
References: <https://docs.microsoft.com/en-us/azure/backup/backup-azure-restore-files-from-vm>

<https://docs.microsoft.com/en-us/azure/backup/backup-azure-arm-restore-vm>

QUESTION 5

SIMULATION

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





Home > Storage accounts > Create storage account

Create storage account

✓ Validation passed

Basics Advanced Tags **Review + create**

BASICS

Subscription	Microsoft AZ-100 5
Resource group	corpdata7523690
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

Home > Storage accounts > Create storage account

Create storage account

*** Submitting deployment...
Submitting the deployment template for resource 'corpdata7523690'.

Basics Advanced Tags **Review + create**

BASICS

Subscription	Microsoft AZ-100 5
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Access tier (default)	Hot

ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

Home > Microsoft.StorageAccount-20181011170335 - Overview

Microsoft.StorageAccount-20181011170335 - Overview

Deployment

Search (Ctrl+F) Delete Cancel Deploy Refresh

Overview

- Overview
- Outputs
- Inputs
- Template

••• Your deployment is underway

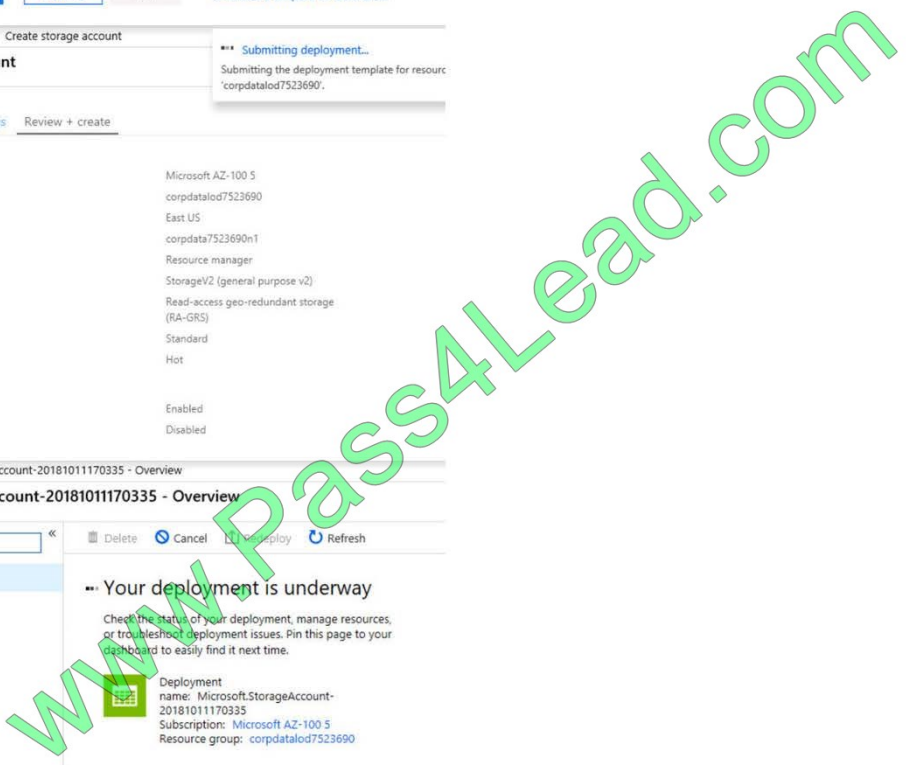
Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

Deployment name: Microsoft.StorageAccount-20181011170335
Subscription: Microsoft AZ-100 5
Resource group: corpdata7523690

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

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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 100 Azure virtual machines on each of the following three virtual networks:



VNET1005a

VNET1005b

VNET1005c All the network traffic between the three virtual networks will be routed through VNET1005a. You need to create the virtual networks, and then to ensure that all the Azure virtual machines can connect to other virtual machines by using their private IP address. The solution must NOT require any virtual network gateways and must

minimize costs.

What should you do from the Azure portal before you configure IP routing?

Correct Answer:

Step 1: Click Create a resource in the portal.

Step 2: Enter Virtual network in the Search the Marketplace box at the top of the New pane that appears. Click Virtual network when it appears in the search results.

Step 3: Select Classic in the Select a deployment model box in the Virtual Network pane that appears, then click Create.

Step 4: Enter the following values on the Create virtual network (classic) pane and then click Create:

Name: VNET1005a

Address space: 10.0.0.0/16

Subnet name: subnet0

Resource group: Create new

Subnet address range: 10.0.0.0/24

Subscription and location: Select your subscription and location.

Step 5: Repeat steps 3-5 for VNET1005b (10.1.0.0/16, 10.1.0.0/24), and for VNET1005c 10.2.0.0/16, 10.2.0.0/24).

References: <https://docs.microsoft.com/en-us/azure/virtual-network/create-virtual-network-classic>

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