



AZ-120^{Q&As}

Planning and Administering Microsoft Azure for SAP Workloads

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**QUESTION 1**

You have an Azure subscription.

You deploy Active Directory domain controllers to Azure virtual machines.

You plan to deploy Azure for SAP workloads.

You plan to segregate the domain controllers from the SAP systems by using different virtual networks.

You need to recommend a solution to connect the virtual networks. The solution must minimize costs.

What should you recommend?

- A. a site-to-site VPN
- B. virtual network peering
- C. user-defined routing
- D. ExpressRoute

Correct Answer: B

<https://github.com/MicrosoftDocs/azure-docs/issues/32537> <https://azure.microsoft.com/en-us/blog/vnet-peering-and-vpn-gateways/>

QUESTION 2

You plan to migrate an SAP environment to Azure.

You need to design an Azure network infrastructure to meet the following requirements:

1.

Prevent end users from accessing the database servers.

2.

Isolate the application servers from the database servers.

3.

Ensure that end users can access the SAP systems over the Internet.

4.

Minimize the costs associated to the communications between the application servers and database servers. Which two actions should you include in the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. In the same Azure virtual network, segregate the SAP application servers and database servers by using different



subnets and network security groups.

- B. Segregate the SAP application servers and database servers by using Azure virtual networks.
- C. Create a site-to-site VPN between the on-premises network and Azure.
- D. Configure an internal Azure Standard Load Balancer for incoming connections.
- E. Configure Azure Traffic Manager to route incoming connections.

Correct Answer: AC

QUESTION 3

HOTSPOT

You are designing a four-node SAP Web Dispatcher deployment for an SAP on Azure landscape.

You need to recommend a resiliency solution and a load-balancing solution for the deployment. The solution must meet the following requirements;

Receive the highest SLA from Microsoft.

Load balance client connections.

Minimize administrative effort

What should include in the recommendation for each solution? To answer, select the appropriate options in the answer area. NOTE Each correct selection is worth one point.

Hot Area:

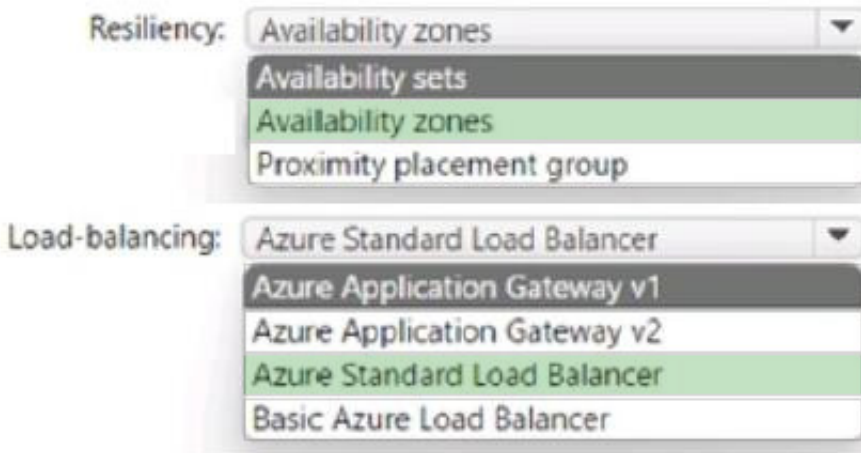
Resiliency:

- Availability sets
- Availability zones
- Proximity placement group

Load-balancing:

- Azure Application Gateway v1
- Azure Application Gateway v2
- Azure Standard Load Balancer
- Basic Azure Load Balancer

Correct Answer:



QUESTION 4

HOTSPOT

You are planning replication of the SAP HANA database for the disaster recovery environment in Azure.

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 must use synchronous replication.	<input type="radio"/>	<input type="radio"/>
You must use delta data shipping for operation mode.	<input type="radio"/>	<input type="radio"/>
You must configure an Azure Directory (Azure AD) application to manage the failover.	<input type="radio"/>	<input type="radio"/>

Correct Answer:



Answer Area

Statements	Yes	No
You must use synchronous replication.	<input type="radio"/>	<input checked="" type="radio"/>
You must use delta data shipping for operation mode.	<input type="radio"/>	<input checked="" type="radio"/>
You must configure an Azure Directory (Azure AD) application to manage the failover.	<input checked="" type="radio"/>	<input type="radio"/>

Box 1: No

SAP HANA Replication consists of one primary node and at least one secondary node. Changes to the data on the primary node are replicated to the secondary node synchronously or asynchronously.

Box 2: No

Since SPS11 SAP HANA system replication can be run in two different operation

modes:

delta_datashipping

logreplay

Box 3: Yes

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/sap-hana-high-availability-rhel>

<https://blogs.sap.com/2018/01/08/your-sap-on-azure-part-4-high-availability-for-sap-hana-using-system-replication/>

QUESTION 5

DRAG DROP

You have an SAP environment on Azure.

You use Azure Site Recovery to protect an SAP production landscape.

You need to validate whether you can recover the landscape in the event of a failure. The solution must minimize the impact on the landscape.

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.

Select and Place:



Actions

- Validate the SAP production landscape
- Create a virtual network that has the same subnets as the SAP production landscape
- Create a network security group (NSG) that restricts traffic to the primary region
- Shut down production virtual machines
- Select **Test failover** from the Recovery Plans blade
- Add a public IP address to a management server in the disaster recovery region

Answer Area



Correct Answer:

Actions

- Validate the SAP production landscape
-
- Create a network security group (NSG) that restricts traffic to the primary region
-
-
-

Answer Area



- Create a virtual network that has the same subnets as the SAP production landscape
- Add a public IP address to a management server in the disaster recovery region
- Shut down production virtual machines
- Select **Test failover** from the Recovery Plans blade

Step 1: Create a virtual network...



We recommended that for test failover, you choose a network that's isolated from the production recovery site network specific in the Compute and Network settings for each VM. By default, when you create an Azure virtual network, it is

isolated from other networks. The test network should mimic your production network:

The test network should have same number of subnets as your production network. Subnets should have the same names.

The test network should use the same IP address range.

Step 2: Add a public IP address...

Because Site Recovery does not replicate the cloud witness, we recommend that you deploy the cloud witness in the disaster recovery region.

Step 3: Shut down production virtual machines

Make sure that the primary VM is shut down when you run the test failover. Otherwise there will be two VMs with the same identity, running in the same network at the same time. This can lead to unexpected consequences.

Step 4: Select Test failover from the Recovery Plans blade

References:

<https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-test-failover-to-azure>

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