AZ-120 Q&As

Planning and Administering Microsoft Azure for SAP Workloads

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QUESTION 1

You have an SAP production landscape on-premises and an SAP development landscape on Azure.

You deploy a network virtual appliance to act as a firewall between the Azure subnet and the on- premises network.

Solution: You configure a user-defined route table.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 2

You plan to migrate an SAP HANA instance to Azure.

You need to gather CPU metrics from the last 24 hours from the instance.

Solution: You run SAP HANA Quick Sizer.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

The SAP HANA cockpit provides a single point of access to a range of SAP HANA administration and monitoring tasks. It is used to monitor and ensure the overall health of the system.

The HANA Monitoring dashboard also visualizes key HANA Metrics of SAP HANA system.

Reference: https://developers.sap.com/tutorials/dt-monitoring-hana-part1.html https://www.hanatutorials.com/p/hana-monitoring-dashboard.html

QUESTION 3

HOTSPOT

You have SAP ERP on Azure.

For SAP high availability, you plan to deploy ASCS/ERS instances across Azure Availability Zones and to use failover clusters.

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
To create a failover solution, you can use an Azure Basic Load Balancer for Azure virtual machines deployed across the Azure Availability Zones.	○	○
You can deploy Azure Availability Sets within an Azure Availability Zone.	○	○
The solution must use Azure managed disks.	○	○

Correct Answer:

Answer Area

Statements	Yes	No
To create a failover solution, you can use an Azure Basic Load Balancer for Azure virtual machines deployed across the Azure Availability Zones.	○	●
You can deploy Azure Availability Sets within an Azure Availability Zone.	●	○
The solution must use Azure managed disks.	●	○

Box 1: No

You can\\'t use an Azure Basic Load Balancer to create failover cluster solutions based on Windows Server Failover Clustering or Linux Pacemaker. Instead, you need to use the Azure Standard Load Balancer SKU.

Box 2: Yes

Azure Availability Zones is one of the high-availability features that Azure provides. Using Availability Zones improves the overall availability of SAP workloads on Azure.

The SAP application layer is deployed across one Azure availability set. For high availability of SAP Central Services, you can deploy two VMs in a separate availability set.

Box 3: Yes

You must use Azure Managed Disks when you deploy to Azure Availability Zones.

Reference:

https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/sap-ha-availability-zones

QUESTION 4

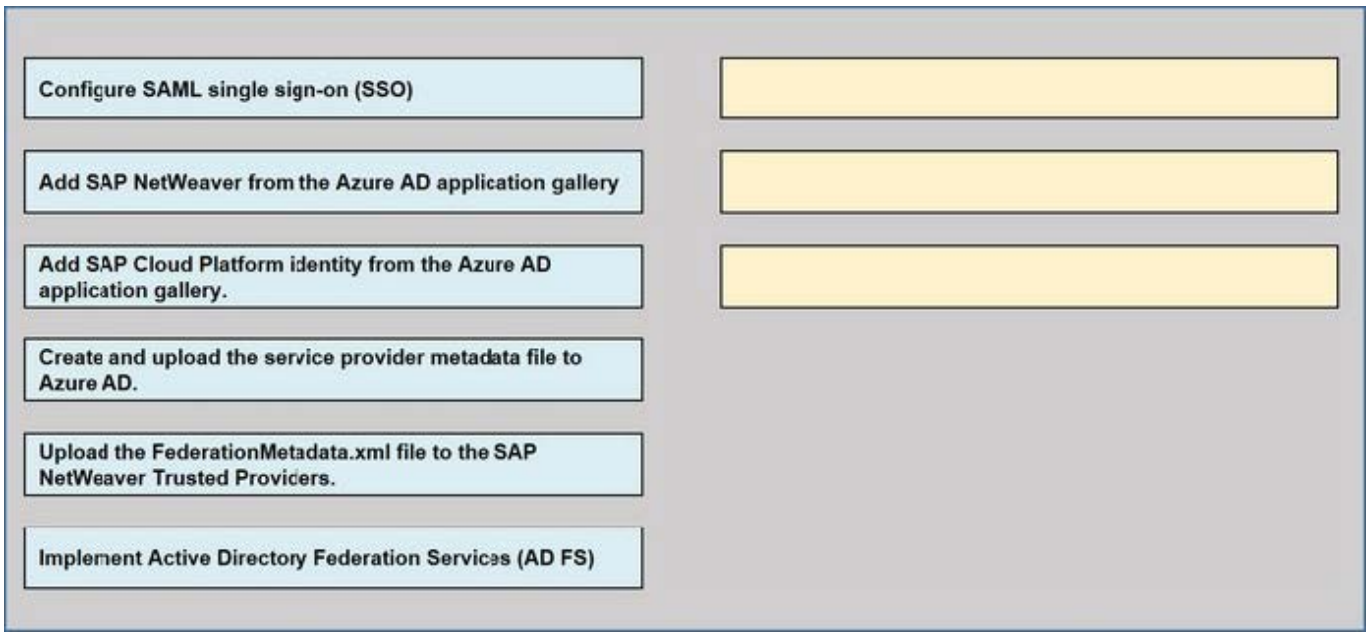
DRAG DROP

You deploy an SAP environment on Azure.

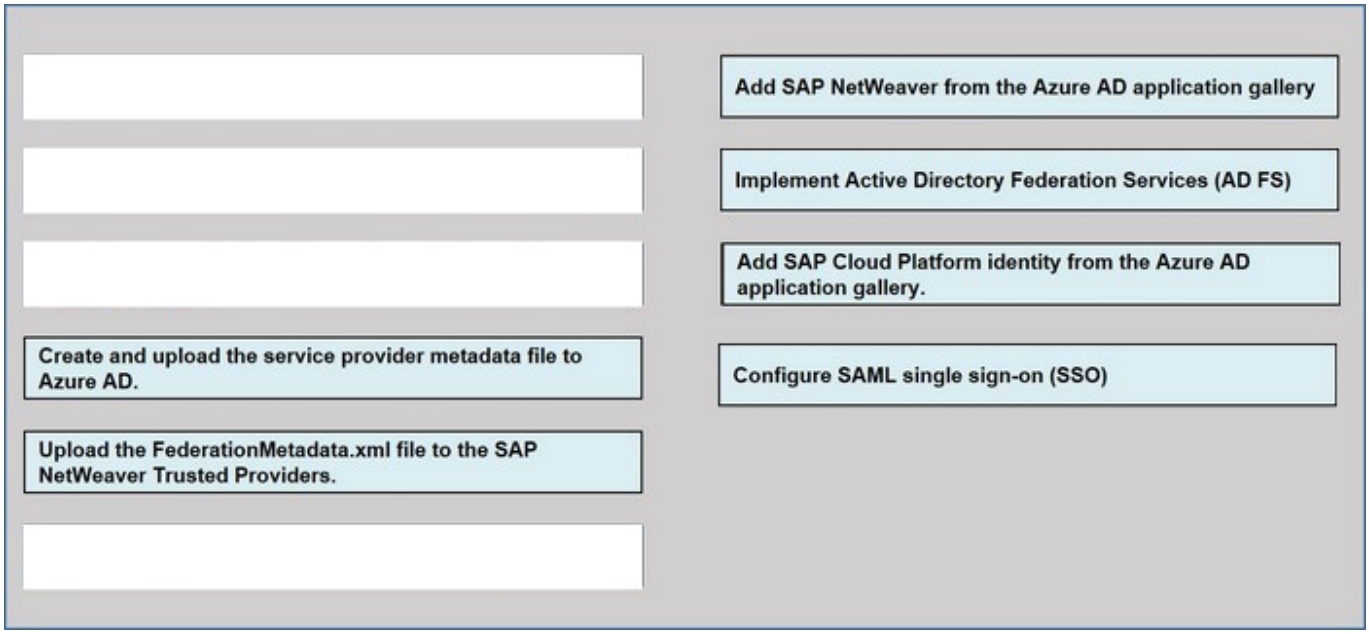
You need to configure SAP NetWeaver to authenticate by using Azure Active Directory (Azure AD).

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:



Correct Answer:



QUESTION 5

You are migrating SAP to Azure. The ASCS application servers are in one Azure zone, and the SAP database server in in a different Azure zone. ASCS/ERS is configured for high availability.

During performance testing, you discover increased response times in Azure, even though the Azure environment has better computer and memory configurations than the on-premises environment.

During the initial analysis, you discover an increased wait time for Enqueue.

What are three possible causes of the increased wait time? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. a missing Enqueue profile

B. disk I/O during Enqueue backup operations

C. misconfigured load balancer rules and health check probes for Enqueue and ASCS

D. active Enqueue replication

E. network latency between the database server and the SAP application servers

Correct Answer: CDE

E: The network latency across Availability Zones is not the same in all Azure regions. In some cases, you can deploy and run the SAP application layer across different zones because the network latency from one zone to the active DBMS VM is acceptable. But in some Azure regions, the latency between the active DBMS VM and the SAP application instance, when deployed in different zones, might not be acceptable for SAP business processes.

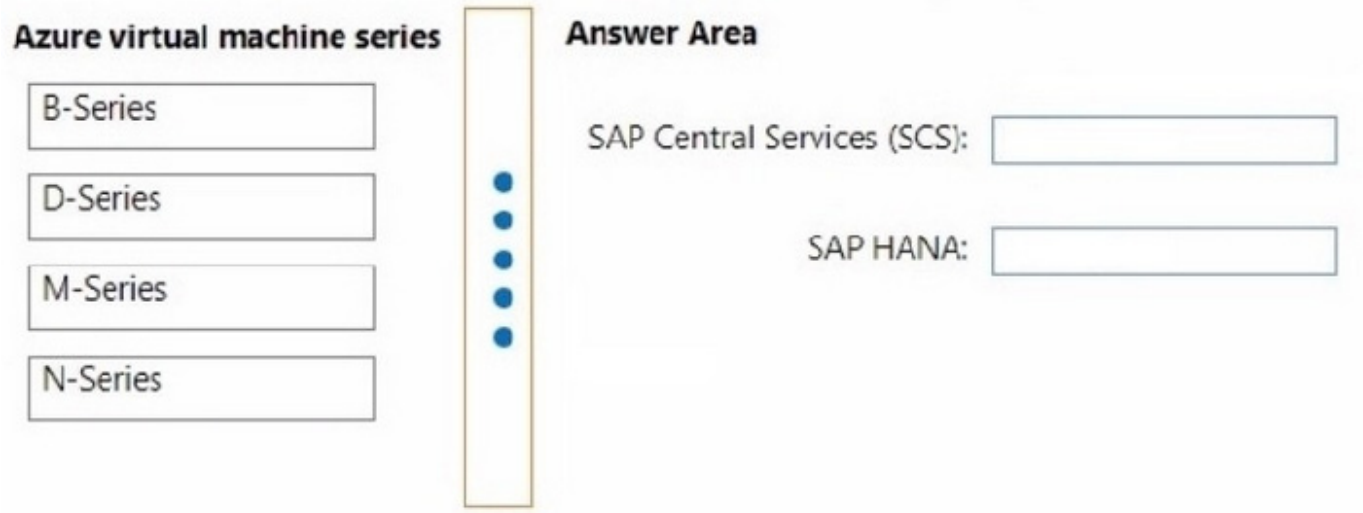
References: https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/sap-ha-availability-zones

QUESTION 6

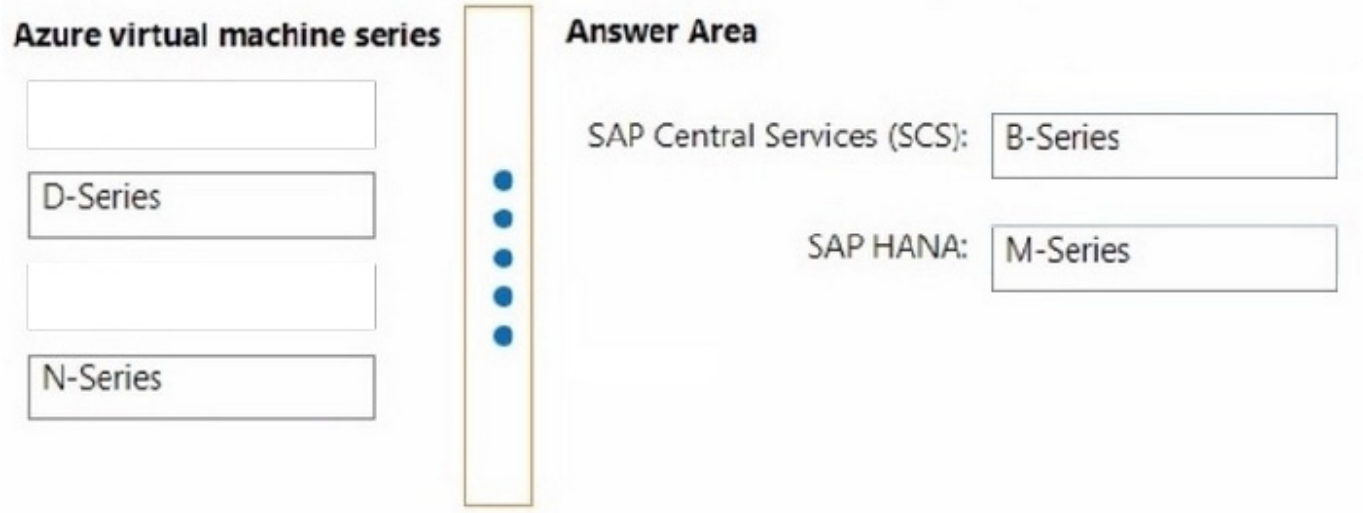
DRAG DROP You need to deploy an SAP production landscape on Azure. The solution must be supported by the SAP production landscape and must minimize costs. Which Azure virtual machine series should you use for each SAP workload? To answer, drag the appropriate series to the correct workloads. Each series 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:



Correct Answer:



QUESTION 7

HOTSPOT

You are planning an SAP NetWeaver deployment on Azure. The database her will consist of Two Azure virtual machines that have Microsoft SQL Server 2017 installed. Each virtual machine will be deployed to a separate availability zone.

You need to perform the following:

1.

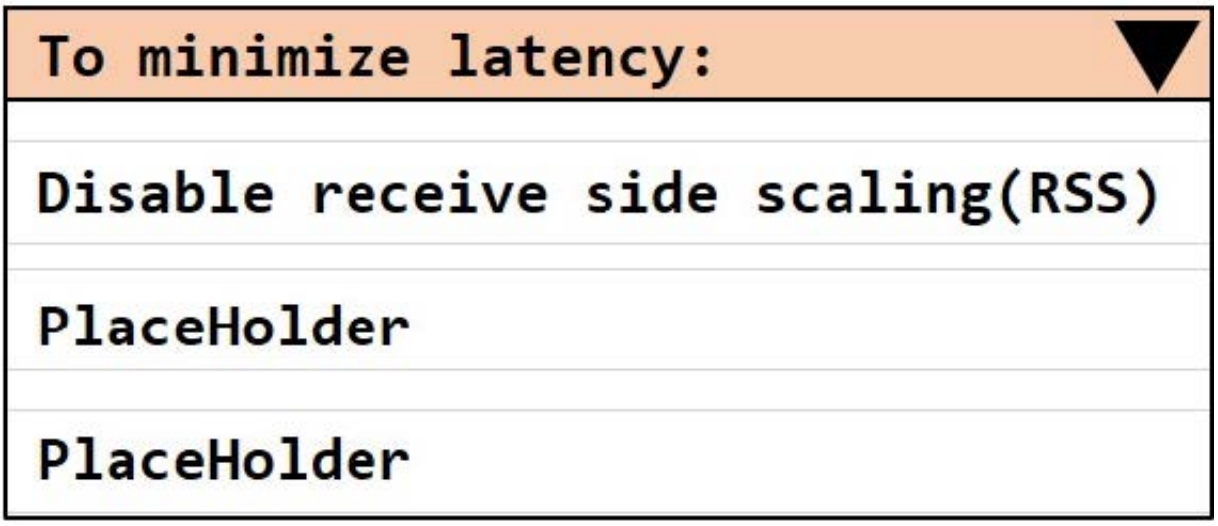
Minimize network latency between the virtual machines.

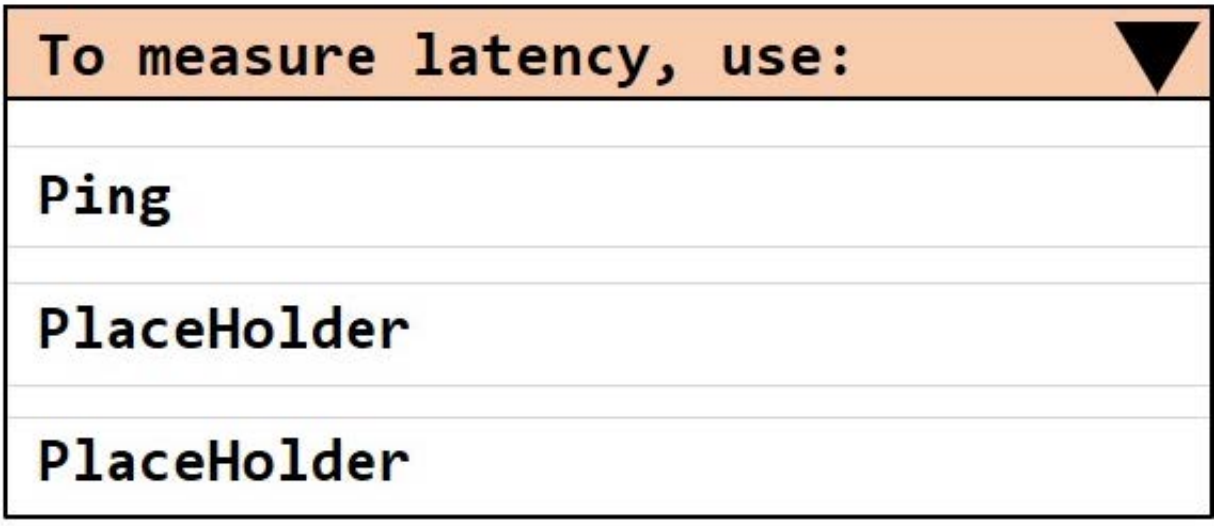
2.

Measure network latency between the virtual machines.

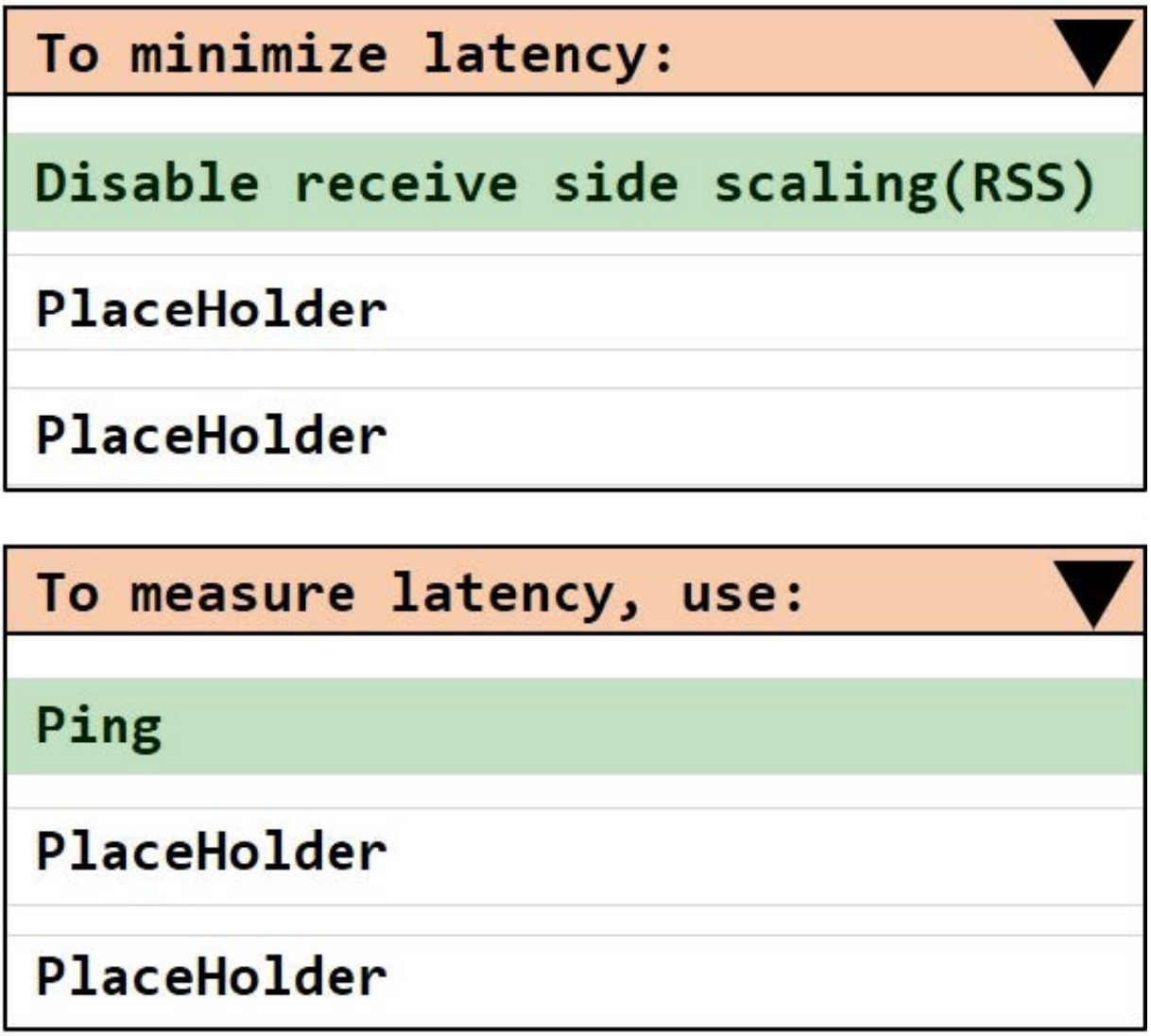
What should you do? To answer, select the appropriate options in the answer area.

Hot Area:





Correct Answer:



QUESTION 8

You are designing an SAP production landscape on Azure.

The landscape must ensure service availability in the event of an Azure datacenter failure

What should you include in the design?

A. an availability zone

B. an availability set

C. a fusion group

D. a proximity placement group

Correct Answer: A

QUESTION 9

You have an SAP production landscape that uses SAP HANA databases on Azure.

You need to deploy a disaster recovery solution to the SAP HANA databases. The solution must meet the following requirements:

1.

Support failover between Azure regions.

2.

Minimize data loss in the event of a failover. What should you deploy?

A. Azure Site Recovery

B. Always On availability group

C. HANA system replication that uses asynchronous replication

D. HANA system replication that uses synchronous replication

Correct Answer: C

QUESTION 10

You have a n SAP environment on Azure.

Your on-premises network uses a 1-Gbps ExpresRoute circuit to connect to Azure Private peering is enabled on the circuit. The default route (0.0.0.0/0) from the on-premises network is advertised You need to resolve the issue without

modifying the ExpresRoute circuit.

The solution must minimize administrative effort.

What should you do?

A. Create a user-defined route tint redirects traffic to the Blob storage.

B. Create an application security group.

C. Change the backup solution to use a third-party software that can write to the Blob storage.

D. Enable virtual network service endpoints.

Correct Answer: D

Private endpoint enables connectivity between the consumers from the same ExpressRoute.

Note: Consult with SAP HANA on Microsoft Service Management. If they advise you to increase the bandwidth of the SAP HANA on Azure (Large Instances) ExpressRoute circuit, create an Azure support request. (You can request an increase for a single circuit bandwidth up to a maximum of 10 Gbps.)

Reference: https://docs.microsoft.com/en-us/azure/private-link/private-endpoint-overview https://docs.microsoft.com/bs-

cyrl-ba/azure/virtual-machines/workloads/sap/hana-additional-network-requirements#increase-expressroute-circuit-bandwidth

QUESTION 11

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 complex SAP environment that has both ABAP- and Java-based systems. The current on-premises landscapes are based on SAP NetWeaver 7.0 (Unicode and Non- Unicode) running on Windows Server and Microsoft SQL

Server.

You need to migrate the SAP environment to an Azure environment.

Solution: You migrate the SAP environment as is to Azure by using Azure Site Recovery.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

We need upgrade to SAP NetWeaver 7.4 before the migration.

Reference: https://docs.microsoft.com/en-us/azure/site-recovery/vmware-azure-architecture

QUESTION 12

You deploy an SAP environment on Azure.

You need to monitor the performance of the SAP NetWeaver environment by using Azure Extension for SAP.

What should you do first?

A. From Azure CLI, install the Linux Diagnostic Extension

B. From the Azure portal, enable the Custom Script Extension

C. From Azure CLI, run the az vm aem setcommand

D. From the Azure portal, enable the Azure Network Watcher Agent

Correct Answer: D

This solution requires the VM Agent to be installed in the Azure Virtual Machines you want to run SAP systems.

Reference: https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/vm-extension-for-sap

QUESTION 13

DRAG DROP

You are validating an SAP HANA on Azure (Large Instances) deployment.

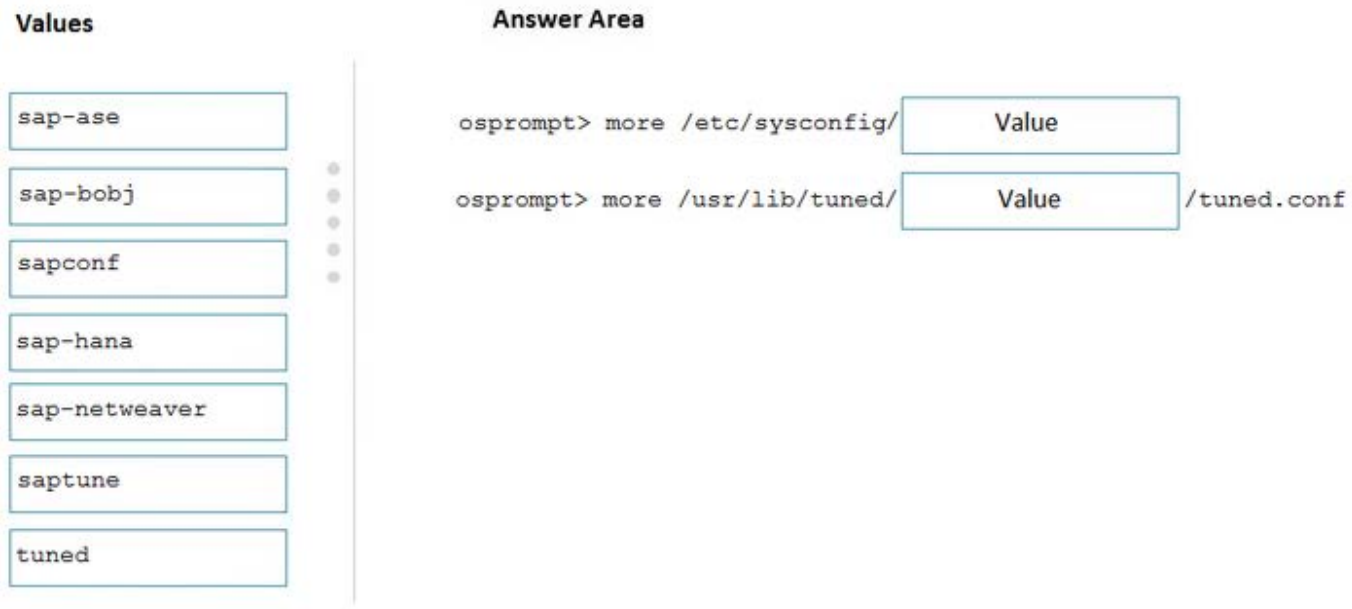
You need to ensure that sapconf is installed and the kernel parameters are set appropriately for the active profile.

How should you complete the commands? To answer, drag the appropriate values to the correct targets. Each value 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

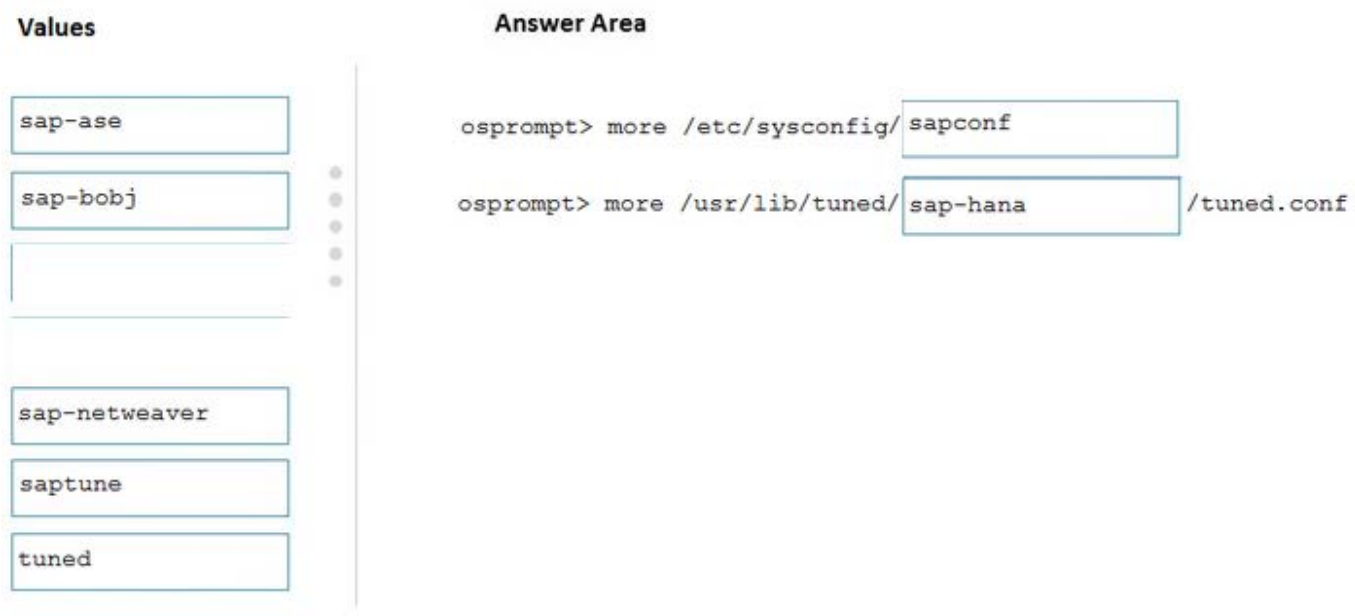
content.

NOTE: Each correct selection is worth one point.

Select and Place:



Correct Answer:



Box 1: sapconf The configuration is split into two parts: /etc/sysconfig/sapconf /usr/lib/tuned//tuned.conf

Box 2: sap-hana

References: https://blogs.sap.com/2017/12/22/prepare-your-linux-for-your-sap-solution-with-saptune/

QUESTION 14

HOTSPOT

You plan to deploy two Azure virtual machines that will host an SAP HANA database for an SAP landscape. The virtual machines will be deployed to the same availability set. You need to meet the following requirements:

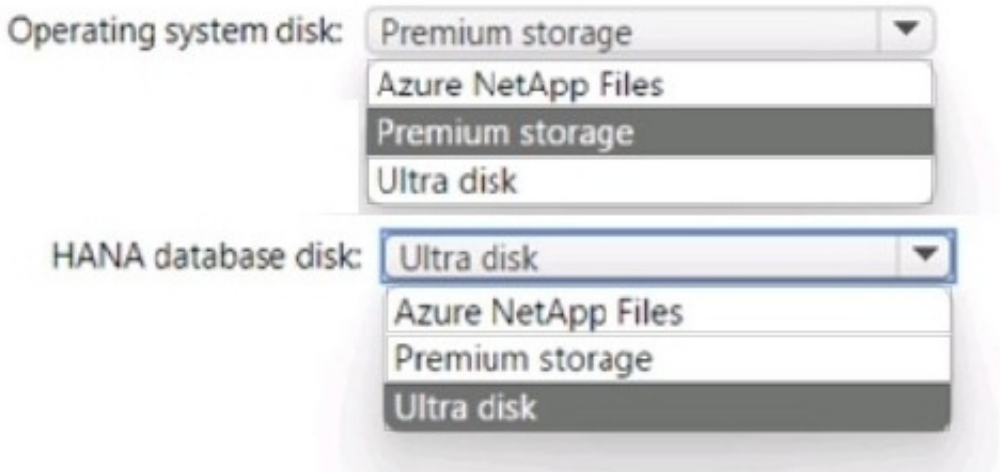
Ensure that the virtual machines support disk snapshots.

Ensure that the virtual machine disks provide submillisecond latency for writes.

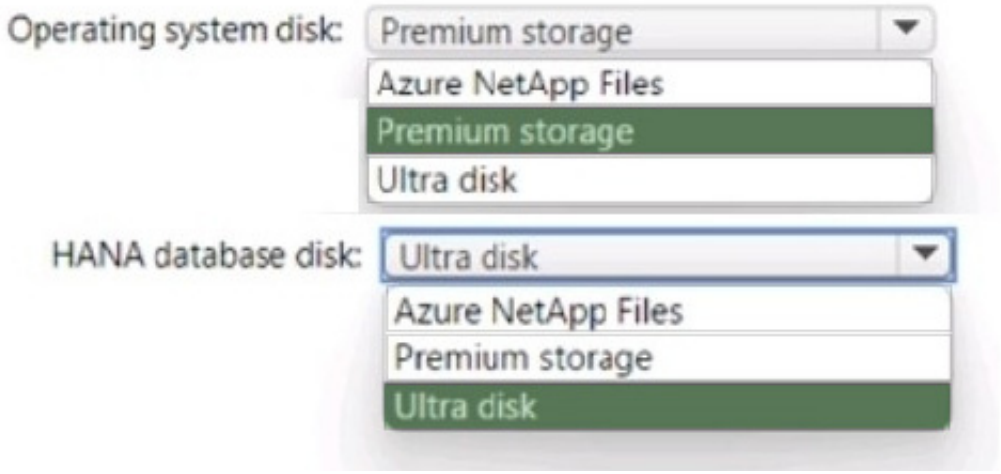
Ensure that each virtual machine can be allocated disks from a different storage cluster.

Which type of operating system disk and HANA database disk should you use? To answer, select the appropriate options in the answer area. NOTE Each correct selection is worth one point.

Hot Area:



Correct Answer:



QUESTION 15

HOTSPOT

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:

Statements	Yes	No
The Azure Extension for SAP stores performance data in an Azure Storage account.	○	○
You can enable the Azure Extension for SAP on a SUSE Linux Enterprise Server 12 (SLES 12) server by running the `Set-AzVMAEMExtension` cmdlet.	○	○
You can enable the Azure Extension for SAP on a server that runs Windows Server 2016 by running the `Set-AzVMAEMExtension` cmdlet.	○	○

Correct Answer:

Statements	Yes	No
The Azure Extension for SAP stores performance data in an Azure Storage account.	●	○
You can enable the Azure Extension for SAP on a SUSE Linux Enterprise Server 12 (SLES 12) server by running the `Set-AzVMAEMExtension` cmdlet.	●	○
You can enable the Azure Extension for SAP on a server that runs Windows Server 2016 by running the `Set-AzVMAEMExtension` cmdlet.	●	○