Microsoft

Exam Questions AZ-120

Planning and Administering Microsoft Azure for SAP Workloads

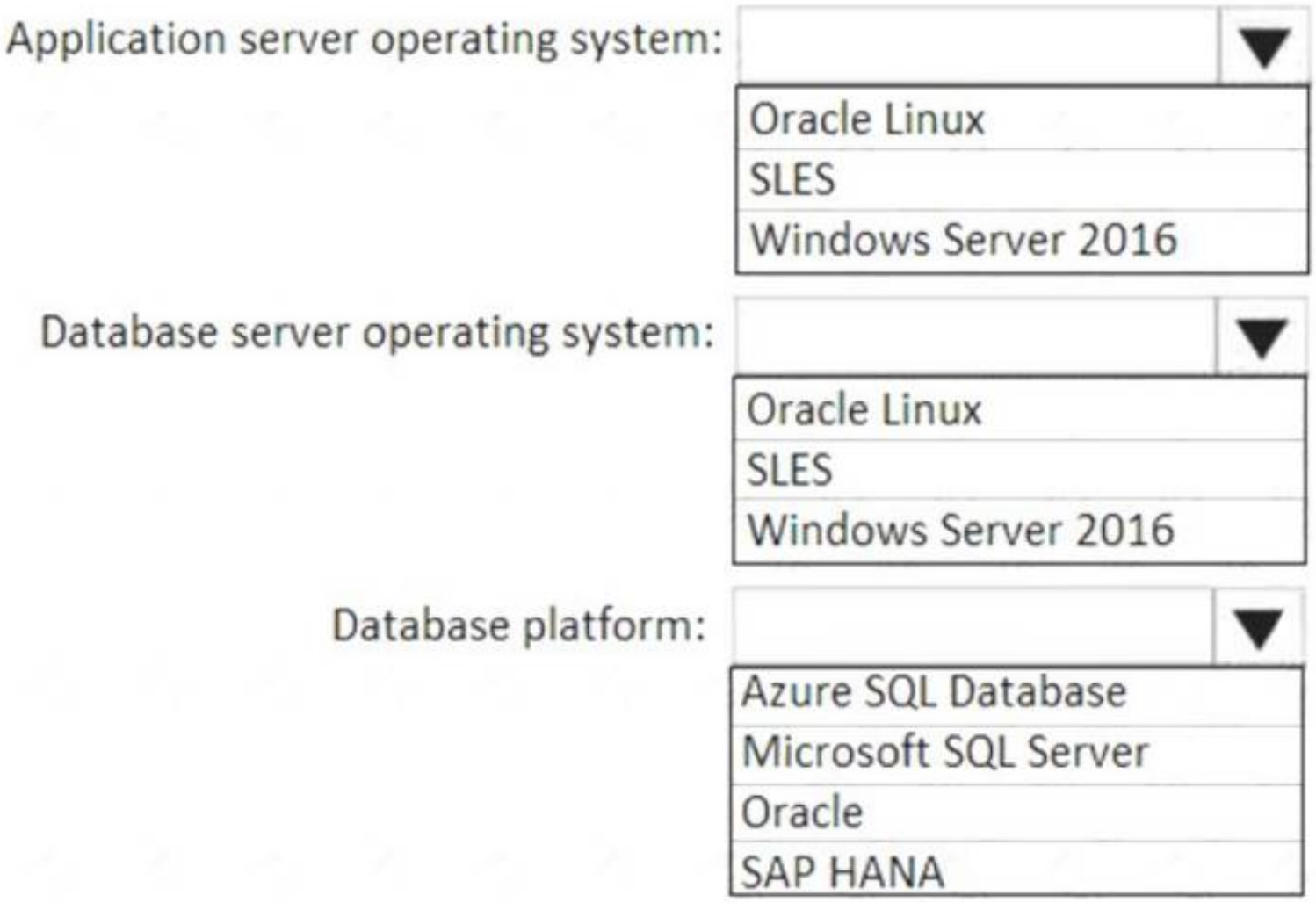
NEW QUESTION 1
- (Exam Topic 1)
You need to ensure that you can receive technical support to meet the technical requirements. What should you deploy to Azure?

A. SAP Landscape Management (LaMa)
B. SAP Gateway
C. SAP Web Dispatcher
D. SAPRouter

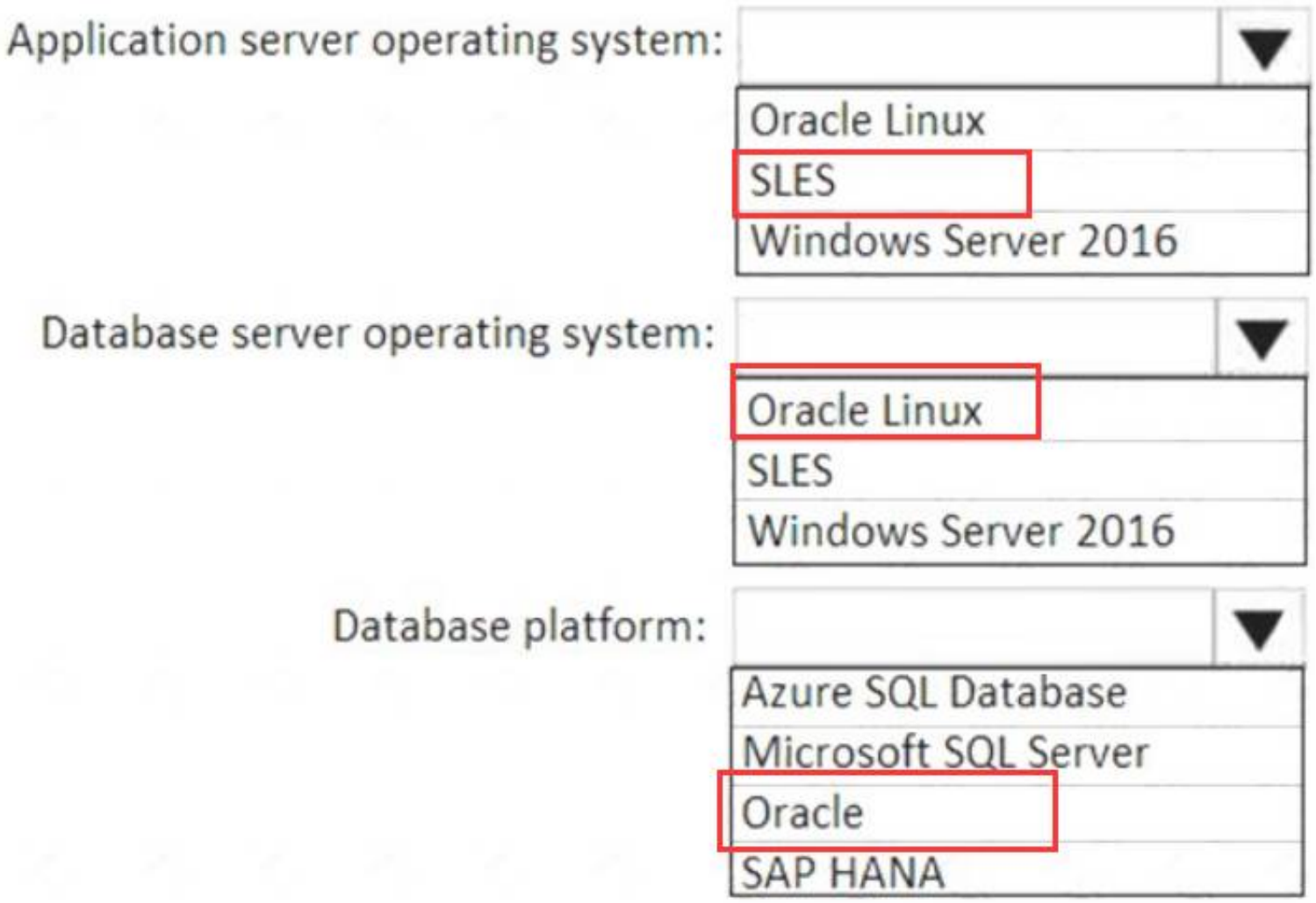
Answer: A

Explanation:
Scenario: Ensure that SAP can provide technical support for all the SAP landscapes deployed to Azure. References:
https://blogs.sap.com/2019/07/22/sap-landscape-management-on-microsoft-azure-part-1/

NEW QUESTION 2
- (Exam Topic 2)
You have an on-premises SAP environment. Application servers run on SUSE Linux Enterprise Server (SLES) servers. Databases run on SLES servers that have Oracle installed.
You need to recommend a solution to migrate the environment to Azure. The solution must use currently
deployed technologies whenever possible and support high availability.
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.



Solution:



Does this meet the goal?

A. Yes
B. No

Answer: A

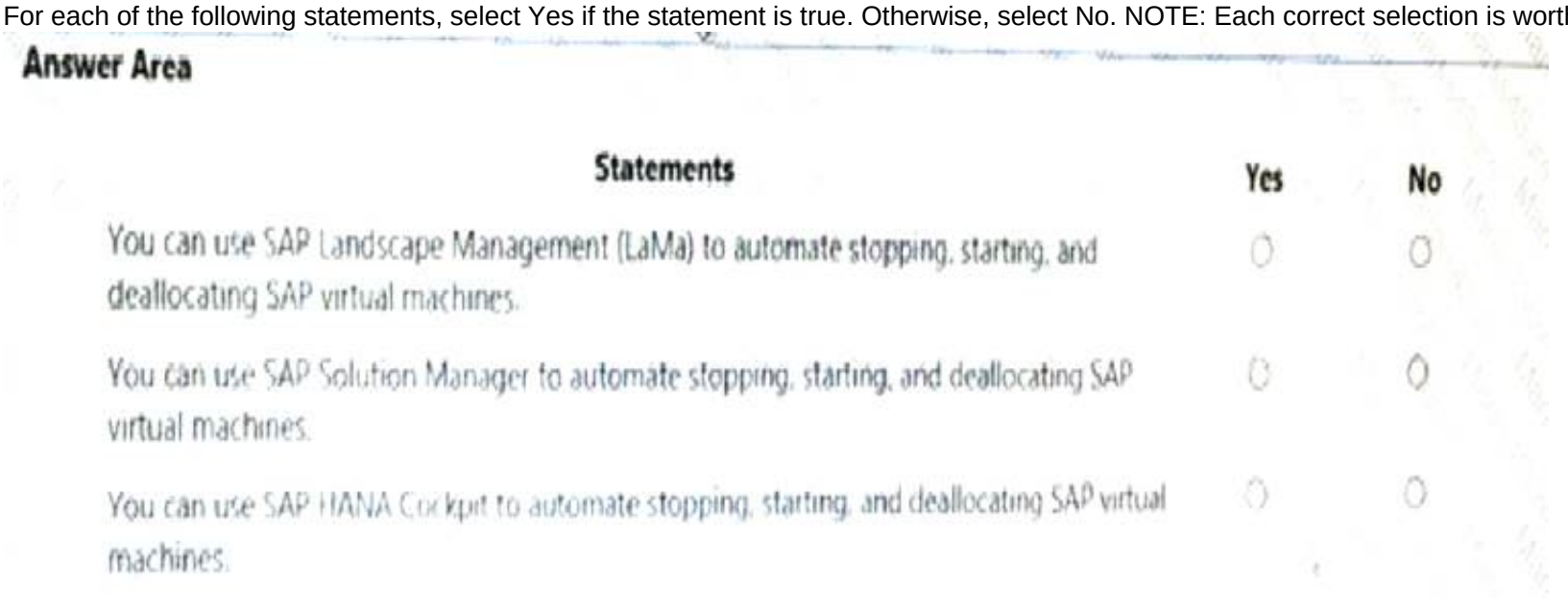
NEW QUESTION 3
- (Exam Topic 2)
You plan to deploy an SAP environment on Azure.
During a bandwidth assessment, you identify that connectivity between Azure and an on-premises datacenter requires up to 5 Gbps.
You need to identify which connectivity method you must implement to meet the bandwidth requirement. The solution must minimize costs.
Which connectivity method should you identify?

A. an ExpressRoute connection
B. an Azure site-to-site VPN that is route-based
C. an Azure site-to-site VPN that is policy-based
D. Global VNet peering

Answer: B

Explanation:
Azure site-to-site VPN is cheaper. References:
https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/vpn

NEW QUESTION 4
- (Exam Topic 2)
You have an SAP development landscape on 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.



Solution:

Answer Area

Statements	Yes	No
You can use SAP Landscape Management (LaMa) to automate stopping, starting, and deallocating SAP virtual machines.	○	○
You can use SAP Solution Manager to automate stopping, starting, and deallocating SAP virtual machines.	○	○
You can use SAP HANA Cockpit to automate stopping, starting, and deallocating SAP virtual machines.	○	○

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 5
- (Exam Topic 2)
You have an Azure alert rule and action group as shown in the following exhibit.

```
PS Azure:\> Get-AzMetricAlertRuleV2 | Select WindowSize, EvaluationFrequency, Actions -ExpandProperty Criteria

WindowSize            : 00:05:00
EvaluationFrequency   : 00:01:00
Actions               : {/subscriptions/6dce0667-3896-4f0b-bcc4-1ea4da2de0dc/resourcegroups/resourcegroup1/
                        providers/microsoft.insights/actiongroups/admins}
Name                  : Metric1
MetricName            : Percentage CPU
MetricNamespace       : Microsoft.Compute/virtualMachines
OperatorProperty      : GreaterThan
TimeAggregation       : Average
Threshold             : 85
Dimensions            : {}
AdditionalProperties  :

PS Azure:\> Get-AzActionGroup | Select -ExcludeProperty ResourceGroupName, Tags, Location

GroupShortName     : admins
Enabled            : True
EmailReceivers     : {admins_-EmailAction-}
SmsReceivers       : {}
WebhookReceivers   : {}
Id                 : /subscriptions/6dce0667-3896-4f0b-bcc4-1ea4da2de0dc/resourceGroups/resourcegroup1/providers/
                     microsoft.insights/actionGroups/admins
Name               : admins
Type               : Microsoft.Insights/ActionGroups

GroupShortName     : restartVM
Enabled            : True
EmailReceivers     : {}
SmsReceivers       : {}
WebhookReceivers   : {}
Id                 : /subscriptions/6dce0667-3896-4f0b-bcc4-1ea4da2de0dc/resourceGroups/resourcegroup1/providers/
                     microsoft.insights/actionGroups/restartVM
Name               : restartVM
Type               : Microsoft.Insights/ActionGroups
```

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.

Answer Area

The admins action group will be notified if the average CPU usage rises above 85% for **[answer choice]**. (one minute / five minutes / one second)

The **[answer choice]** when the alert is triggered. (admins action group will be emailed / restartVM action group will be emailed / virtual machines will restart)

Solution:

Answer Area

The admins action group will be notified if the average CPU usage rises above 85% for **[answer choice]**. (one minute / five minutes / one second)

The **[answer choice]** when the alert is triggered. (admins action group will be emailed / restartVM action group will be emailed / virtual machines will restart)

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 6
- (Exam Topic 2)
You plan to migrate an SAP environment to Azure.
You need to recommend a solution to migrate the SAP application servers to Azure. The solution must minimize downtime and changes to the environments.
What should you include in the recommendation?

A. Azure Storage Explorer
B. Azure Import/Export service
C. AzCopy
D. Azure Site Recovery

Answer: D

Explanation:
Site Recovery is used to manage and orchestrate disaster recovery of on-premises machines and Azure VMs. However, it can also be used for migration.
Migration uses the same steps as disaster recovery with one exception. In a migration, failing machines over from your on-premises site is the final step. Unlike disaster recovery, you can't fail back to on-premises in a migration scenario.
References:
https://docs.microsoft.com/en-us/azure/site-recovery/migrate-tutorial-on-premises-azure

NEW QUESTION 7
- (Exam Topic 2)
You plan to deploy an SAP environment on Azure. The SAP environment will have landscapes for production, development. and quality assurance.
You need to minimize the costs associated with running the development and quality assurance landscapes on Azure. What should you do?

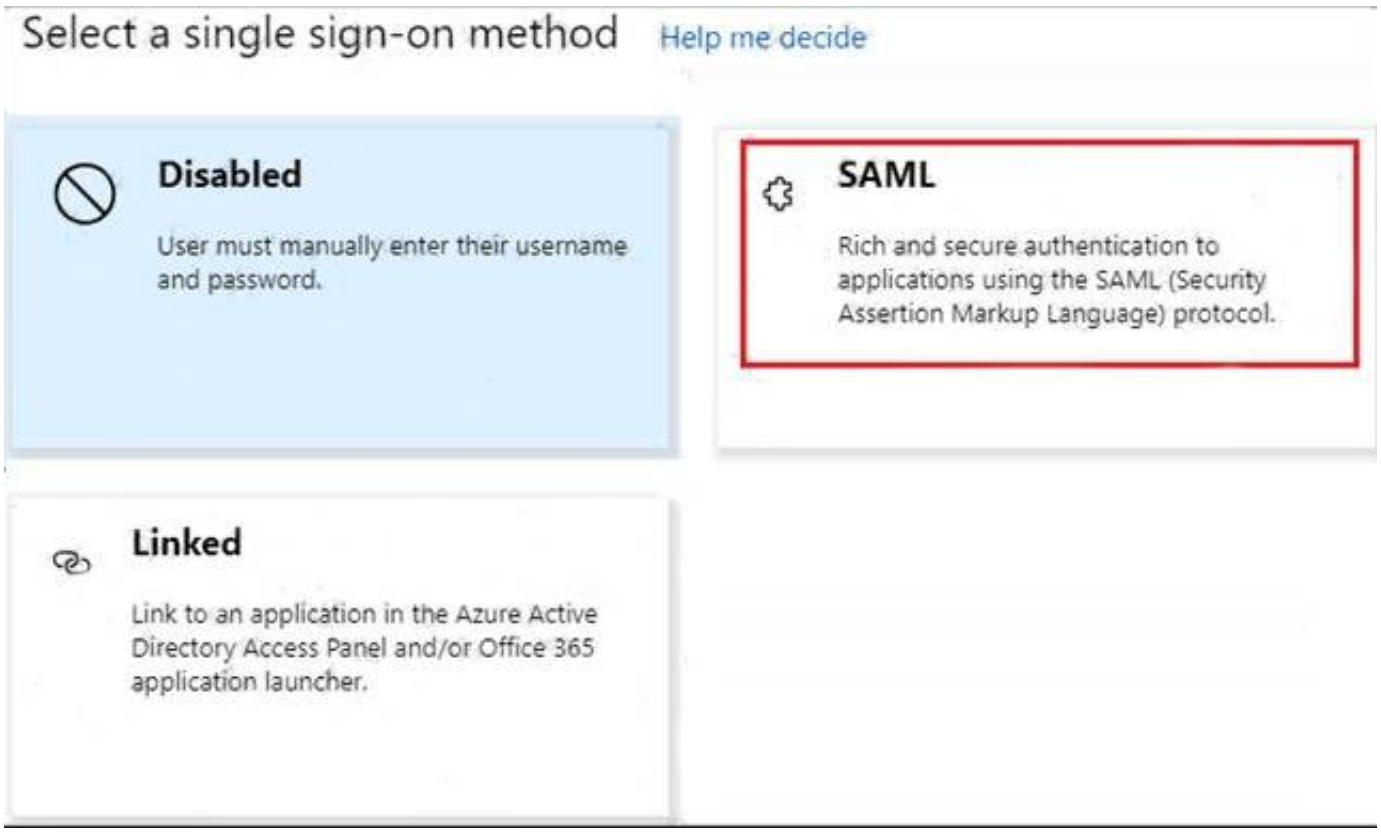
A. Create Azure Automation runbooks to stop, deallocate, and start Azure virtual machines.
B. Create a scheduled task that runs the stopsap command.
C. Configure scaling for Azure App Service.
D. Configure Azure virtual machine scales sets.

Answer: B

NEW QUESTION 8
- (Exam Topic 2)
You are integrating SAP HANA and Azure Active Directory (Azure AD).
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Statements	Yes	No
SAP HANA supports SAML authentication for single-sign on (SSO).	○	○
SAP HANA supports OAuth2 authentication for single-sign on (SSO).	○	○
You can use Azure role-based access control (RBAC) to provide users with the ability to sign in to SAP HANA.	○	○

Solution:
Box 1: Yes
To configure Azure AD single sign-on with SAP HANA, perform the following steps:
*1. In the Azure portal, on the SAP HANA application integration page, select Single sign-on.
*2. On the Select a Single sign-on method dialog, select SAML/WS-Fed mode to enable single sign-on.



Box 2: No
Box 3: No
Key security considerations for deploying SAP on Azure References:
https://docs.microsoft.com/en-us/azure/active-directory/saas-apps/saphana-tutorial

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 9
- (Exam Topic 2)
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
Oracle Real Application Clusters (RAC) can be used to provide high availability of SAP databases on Azure.	○	○
You can host SAP databases on Azure by using Oracle on a virtual machine that runs Windows Server 2016.	○	○
You can host SAP databases on Azure by using Oracle on a virtual machine that runs SUSE Linux Enterprise Server 12 (SLES 12).	○	○

Solution:
Box 1: Yes
Box 2: Yes
Oracle Database 12c Release 2 (12.2) is certified on Microsoft Windows Server 2016 (Standard, Datacenter, and Essentials Editions), which includes support for the database client, server, and Oracle Real Application Clusters.
Organizations can run SAP applications with Oracle databases on the same code base on Unix, Linux, and Windows operating systems.
Box 3: Yes References:
https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/oracle/oracle-overview https://docs.oracle.com/en/database/oracle/oracle-database/12.2/ntdbn/index.html#

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 10
- (Exam Topic 2)
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 route filters for Microsoft peering. Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 11
- (Exam Topic 2)
You plan to deploy an SAP environment on Azure.
You plan to store all SAP connection strings securely in Azure Key Vault without storing credentials on the Azure virtual machines that host SAP.
What should you configure to allow the virtual machines to access the key vault?

A. Azure Active Directory (Azure AD) Privilege Identity Manager (PIM)
B. role-based access control (RBAC)
C. a Managed Service Identity (MSI)
D. the Custom Script Extension

Answer: C

Explanation:
To reference a credential stored in Azure Key Vault, you need to:
*1. Retrieve data factory managed identity
*2. Grant the managed identity access to your Azure Key Vault
*3. Create a linked service pointing to your Azure Key Vault.
*4. Create data store linked service, inside which reference the corresponding secret stored in key vault.
References:
https://docs.microsoft.com/bs-latn-ba/azure/data-factory/store-credentials-in-key-vault

NEW QUESTION 12
- (Exam Topic 2)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You deploy SAP HANA on Azure (Large Instances). You need to back up the SAP HANA database to Azure.
Solution: You configure DB13 to back up directly to a local disk. Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
You need to back up the SAP HANA database to Azure, not to a local disk. References:
https://docs.microsoft.com/en-us/azure/backup/sap-hana-db-about
https://docs.microsoft.com/en-us/azure/backup/backup-azure-sap-hana-database#configure-backup

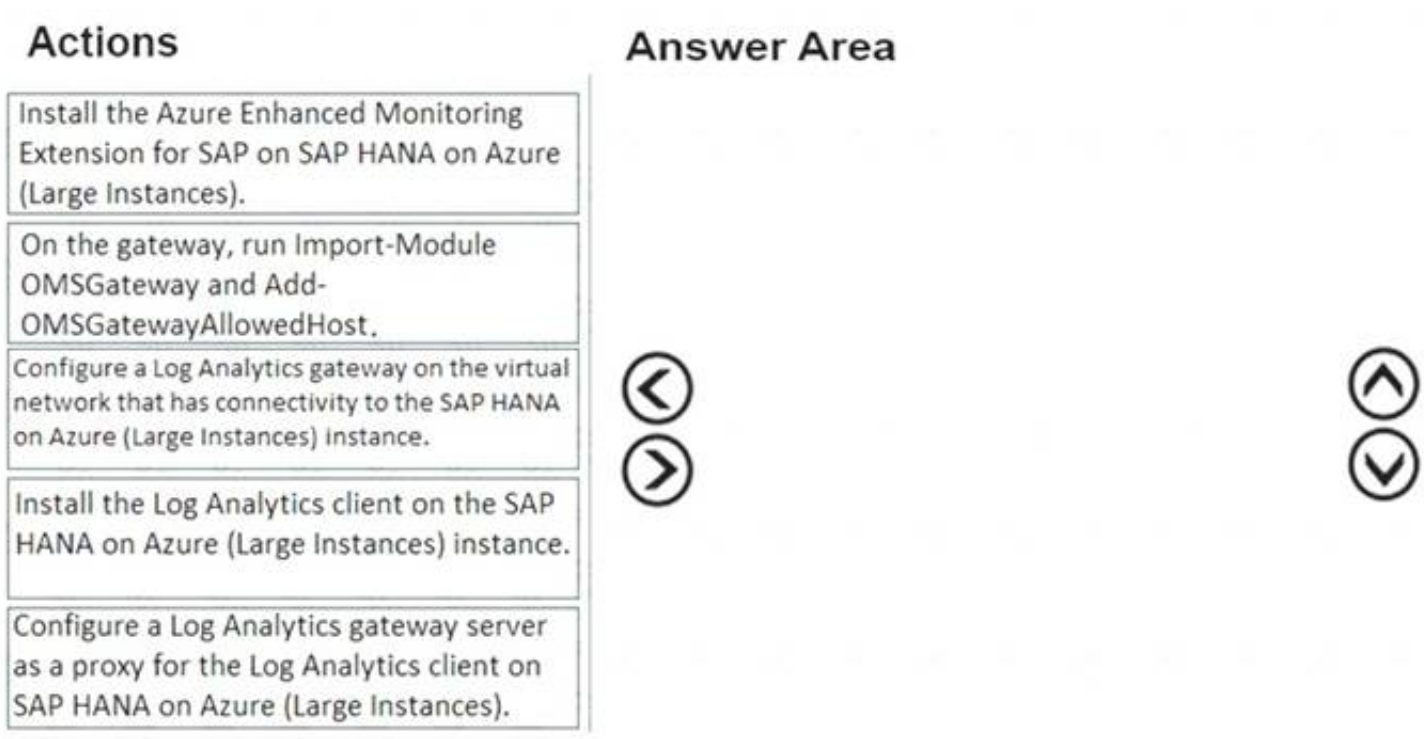
NEW QUESTION 13
- (Exam Topic 2)
You plan to migrate an SAP HANA instance to Azure.
You need to gather CPU metrics from the last 24 hours from the instance.
Solution: You query views from SAP HANA Studio. Does this meet the goal?

A. Yes
B. No

Answer: B

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

NEW QUESTION 14
- (Exam Topic 2)
You need to connect SAP HANA on Azure (Large Instances) to an Azure Log Analytics workspace.
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.



Solution:
Step 1: Install the Azure Enhanced Monitoring.
The SAP Azure Enhanced Monitoring Extension allows for collecting diagnostic data including OS and Application performance counters from Azure VMs running SAP workloads.
Step 2: Install the Log Analytics client on the SAP HANA on Azure (Large Instances) instance. Step 3: Configure a Log Analytics gateway on the virtual network.
Step 4: On the gateway, run. References:
http://www.deployazure.com/compute/virtual-machines/sap-azure-enhanced-monitoring-extension/
https://docs.microsoft.com/en-us/azure/azure-monitor/platform/gateway

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 15
- (Exam Topic 2)
You are planning high availability for an SAP environment on Azure. The SAP environment will use datacenters in to different zones.
Testing shows that the latency between the two zones supports synchronous DBMS replication.
You need to design a solution to ensure that SAP services are available if an Azure datacenter within a zone fails. The solution must meet the following requirements:
* Provide automatic failover
* Minimize costs
Which high availability configuration meet the requirements?

A. Azure Availability Zones with an active/passive deployment
B. Azure Site Recovery
C. Azure Availability Sets with active/passive clustering
D. Azure Availability Sets with active/active clustering

Answer: D

NEW QUESTION 16
- (Exam Topic 2)
You need direct connectivity from an on-premises network to SAP HANA (Large Instances). The solution must meet the following requirements:
- Minimize administrative effort.
- Provide the highest level of resiliency. What should you use?

A. ExpressRoute Global Reach
B. Linux IPTables
C. ExpressRoute
D. NGINX as a reverse proxy

Answer: C

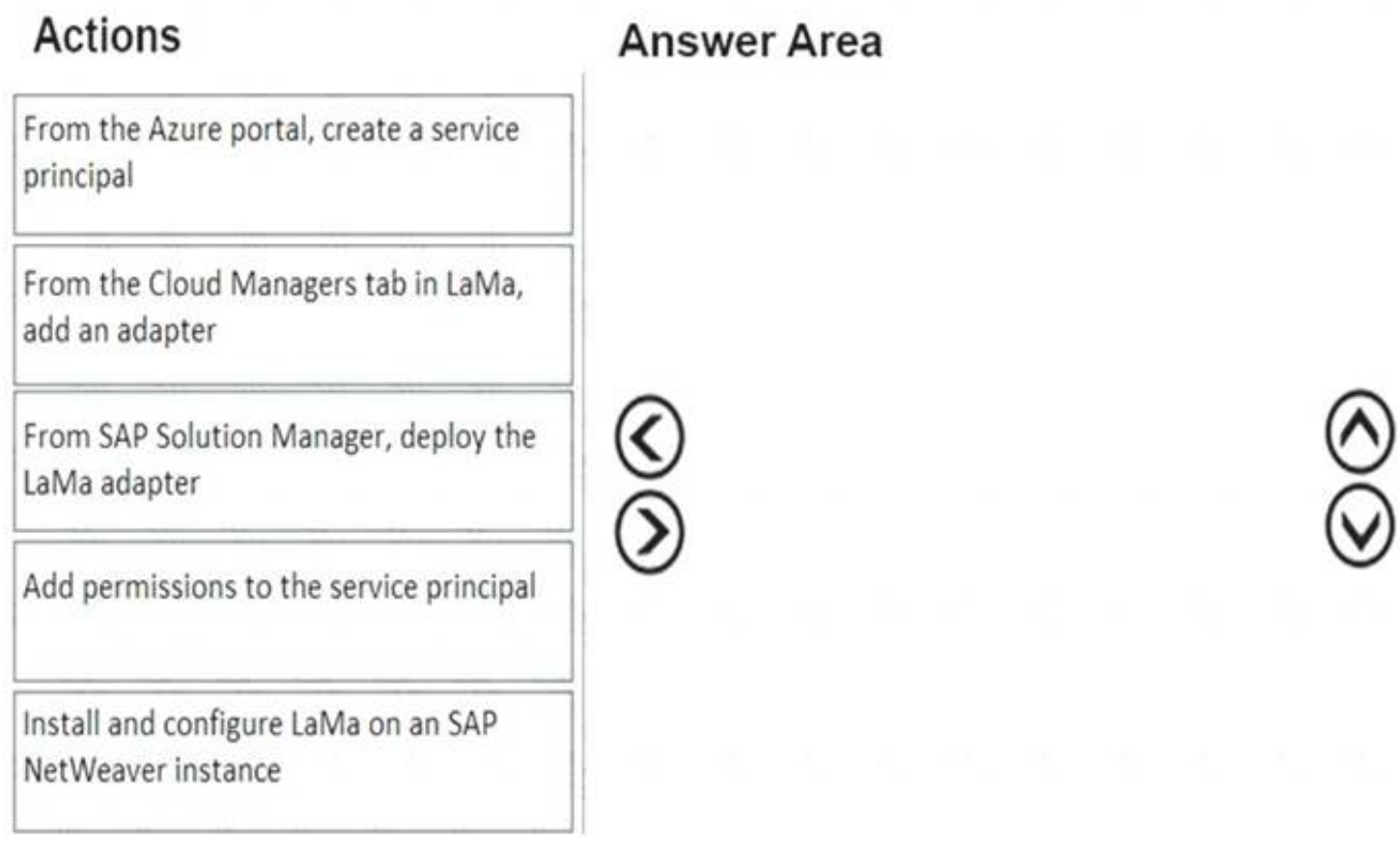
Explanation:
The Azure network functionality used is:
Azure virtual networks are connected to the ExpressRoute circuit that connects to your on-premises network assets.
An ExpressRoute circuit that connects on-premises to Azure should have a minimum bandwidth of 1 Gbps or higher. This minimal bandwidth allows adequate bandwidth for the transfer of data between on-premises systems and systems that run on VMs. It also allows adequate bandwidth for connection to Azure systems from on-premises users.
All SAP systems in Azure are set up in virtual networks to communicate with each other. References:
https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/hana-network-architecture

NEW QUESTION 17
- (Exam Topic 2)
You are building an SAP environment by using Azure Resource Manager templates. The SAP environment will use Linux virtual machines.
You need to correlate the LUN of the data disks in the template to the volume of the virtual machines. Which command should you run/

A. Is /dev/ disk/azure/root
B. Is /dev/ disk/azure/scsil
C. Tree /dev/ disk/azure/root
D. Tree /dev/disk/azure/resource

Answer: C

NEW QUESTION 18
- (Exam Topic 2)
You migrate SAP ERP Central Component (SAP ECC) production and non-production landscapes to Azure. You are licensed for SAP Landscape Management (LaMa).
You need to refresh from the production landscape to the non-production 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.



Solution:
Step 1: From the Azure portal, create a service principal
The Azure connector can use a Service Principal to authorize against Microsoft Azure. Follow these steps to create a Service Principal for SAP Landscape Management (LaMa).
Step 2: Add permissions to the service principal
The Service Principal does not have permissions to access your Azure resources by default. You need to give the Service Principal permissions to access them.
Step 3: From the Cloud Managers tab in LaMa, add an adapter Create a new connector in SAP LaMa
Open the SAP LaMa website and navigate to Infrastructure. Go to tab Cloud Managers and click on Add. Select the Microsoft Azure Cloud Adapter
Step 4: Install and configure LaMA on an SAP NetWeater instance Provision a new adaptive SAP system
You can manually deploy a new virtual machine or use one of the Azure templates in the quickstart repository. It contains templates for SAP NetWeaver ASCS, SAP NetWeaver application servers, and the database. You can also use these templates to provision new hosts as part of a system copy/clone etc.
Note: To support customers on their journey into a cloud model (hybrid or entirely public cloud), SAP and Microsoft partnered to create an adapter that integrates the SAP management capabilities of LaMa with the IaaS advantages of Microsoft Azure.
References:
https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/lama-installation

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 19
- (Exam Topic 2)
Your on-premises network contains SAP and non-SAP applications.
You have JAVA-based SAP systems that use SPNEGO for single-sign on (SSO) authentication. Your external portal uses multi-factor authentication (MFA) to authenticate users.
You plan to extend the on-premises authentication features to Azure and to migrate the SAP applications to 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.

Statements	Yes	No
Azure Active Directory (Azure AD) pass-through authentication can be used to enable MFA for on-premises users.	○	○
Azure Active Directory (Azure AD) password hash synchronization ensures that users can use on their on-premise credentials to authenticate to ABAP-based SAP systems on Azure.	○	○
Active Directory Federation Services (AD FS) can be used to enable MFA for on-premises users.	○	○

Solution:
Box 1: No
Need AD FS for MFA. See box 3.
Note: Azure Active Directory (Azure AD) Pass-through Authentication allows your users to sign in to both on-premises and cloud-based applications using the same passwords. This feature is an alternative to Azure AD Password Hash Synchronization (see Box 2).
Box 2: Yes
Password hash synchronization is one of the sign-in methods used to accomplish hybrid identity. Azure AD Connect synchronizes a hash, of the hash, of a users password from an on-premises Active Directory instance to a cloud-based Azure AD instance.
Password hash synchronization is an extension to the directory synchronization feature implemented by Azure AD Connect sync. You can use this feature to sign in to Azure AD services like Office 365. You sign in to the service by using the same password you use to sign in to your on-premises Active Directory instance.
Box 3: Yes
If your organization is federated with Azure AD, you can use Azure Multi-Factor Authentication to secure AD FS resources, both on-premises and in the cloud.
Azure MFA enables you to eliminate passwords and provide a more secure way to authenticate.
References:
https://docs.microsoft.com/en-us/azure/active-directory/hybrid/whatis-phs
https://docs.microsoft.com/en-us/windows-server/identity/ad-fs/operations/configure-ad-fs-and-azure-mfa

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 20
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