



Microsoft

Exam Questions AZ-120

Planning and Administering Microsoft Azure for SAP Workloads

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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)

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
The Azure Enhanced Monitoring Extension for SAP stores performance data in an Azure Storage account.	<input type="radio"/>	<input type="radio"/>
You can enable the Azure Enhanced Monitoring Extension for SAP on a SUSE Linux Enterprise Server 12 (SLES 12) server by running the Set-AzVMAEMExtension cmdlet.	<input type="radio"/>	<input type="radio"/>
You can enable the Azure Enhanced Monitoring Extension for SAP on a server that runs Windows Server 2016 by running the Set-AzVMAEMExtension cmdlet.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

The SAP Azure Enhanced Monitoring Extension builds on top of the Azure Diagnostic extension, which stores its data in an Azure Storage account that you specify.

Box 2: Yes

The Set-AzVMAEMExtension cmdlet updates the configuration of a virtual machine to enable or update the support for monitoring for SAP systems that are installed on the virtual machine. The cmdlet installs the Azure Enhanced Monitoring (AEM) extension that collects the performance data and makes it discoverable for the SAP system.

The -OSType specifies the OS. Either Windows or Linux.

Box 3: Yes References:

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/diagnostics-extension-overview> <https://docs.microsoft.com/en-us/powershell/module/az.compute/set-azvmaemextension>

NEW QUESTION 3

- (Exam Topic 2)

This question requires that you evaluate the underlined BOLD text to determine if it is correct.

You have an Azure resource group that contains the virtual machines for an SAP environment.

You must be assigned the Contributor role to grant permissions to the resource group.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

- A. No change is needed
- B. User Access Administrator
- C. Managed Identity Contributor
- D. Security Admin

Answer: B

Explanation:

Contributor - Can create and manage all types of Azure resources but can't grant access to others. User Access Administrator - Lets you manage user access to Azure resources.

References:

<https://docs.microsoft.com/en-us/azure/role-based-access-control/overview>

NEW QUESTION 4

- (Exam Topic 2)

You plan to migrate an on-premises SAP environment to Azure.

You need to identify whether any SAP application servers host multiple SAP system identifiers (SIDs). What should you do?

- A. Run SAP HANA A sizing report.
- B. From the SAP EarlyWatch Alert report, compare the physical host names to the virtual host names.
- C. Run the SAP Report from ABAPMeter.
- D. From the SAP EarlyWatch Alert report, compare the services to the reference objects

Answer: C

NEW QUESTION 5

- (Exam Topic 2)

You have an Azure subscription.

Your company has an SAP environment that runs on SUSE Linux Enterprise Server (SLES) servers and SAP HANA. The environment has a primary site and a disaster recovery site. Disaster recovery is based on SAP HANA system replication. The SAP ERP environment is 4 TB and has a projected growth of 5% per month. The company has an uptime Service Level Agreement (SLA) of 99.99%, a maximum recovery time objective (RTO) of four hours, and a recovery point objective (RPO) of 10 minutes.

You plan to migrate to Azure.

You need to design an SAP landscape for the company. Which options meet the company's requirements?

- A. Azure virtual machines and SLES for SAP application serversSAP HANA on Azure (Large Instances) that uses SAP HANA system replication for high availability anddisaster recovery
- B. ASCS/ERS and SLES clustering that uses the Pacemaker fence agent SAP application servers deployed to an Azure Availability ZoneSAP HANA on Azure (Large Instances) that uses SAP HANA system replication for database high availability and disaster recovery
- C. SAP application instances deployed to an Azure Availability SetSAP HANA on Azure (Large Instances) that uses SAP HANA system replication for database high availability and disaster recovery
- D. ASCS/ERS and SLES clustering that uses the Azure fence agent SAP application servers deployed to an Azure Availability SetSAP HANA on Azure (Large Instances) that uses SAP HANA system replication for database high availability and disaster recovery

Answer: B

Explanation:

With Availability Zones, Azure offers industry best 99.99% VM uptime SLA. References:

<https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-faqs>

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>

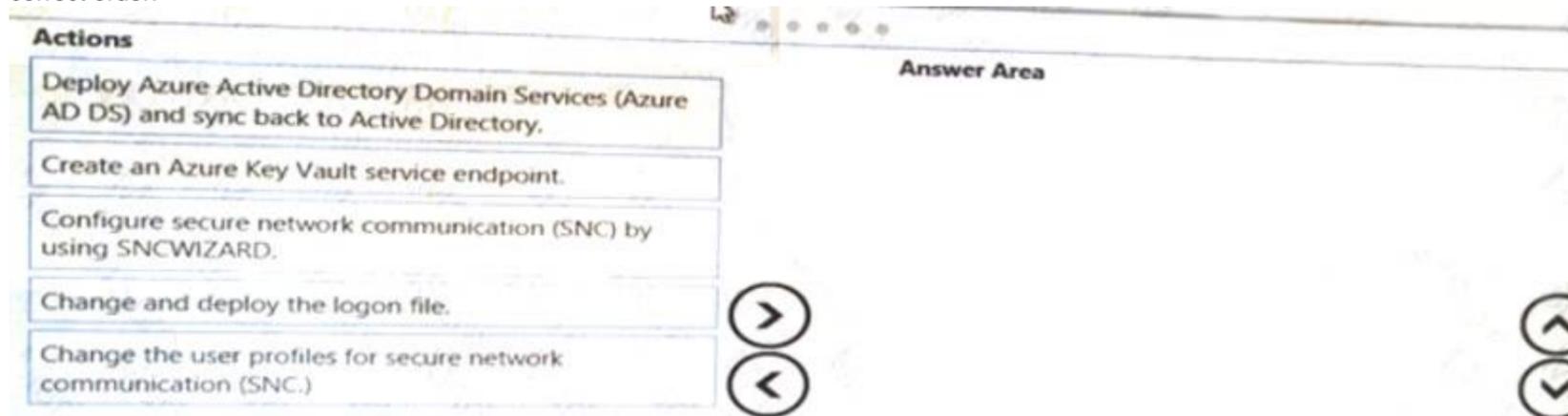
NEW QUESTION 7

- (Exam Topic 2)

Your on-premises network contains an Active Directory domain. You are deploying a new SAP environment on Azure.

You need to configure SAP Single Sign-On to ensure that users can authenticate lo SAP GUI and SAP WebGUI.

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.



The screenshot shows an exam interface with two main sections: 'Actions' and 'Answer Area'. The 'Actions' list contains five items:

- Deploy Azure Active Directory Domain Services (Azure AD DS) and sync back to Active Directory.
- Create an Azure Key Vault service endpoint.
- Configure secure network communication (SNC) by using SNCWIZARD.
- Change and deploy the logon file.
- Change the user profiles for secure network communication (SNC.)

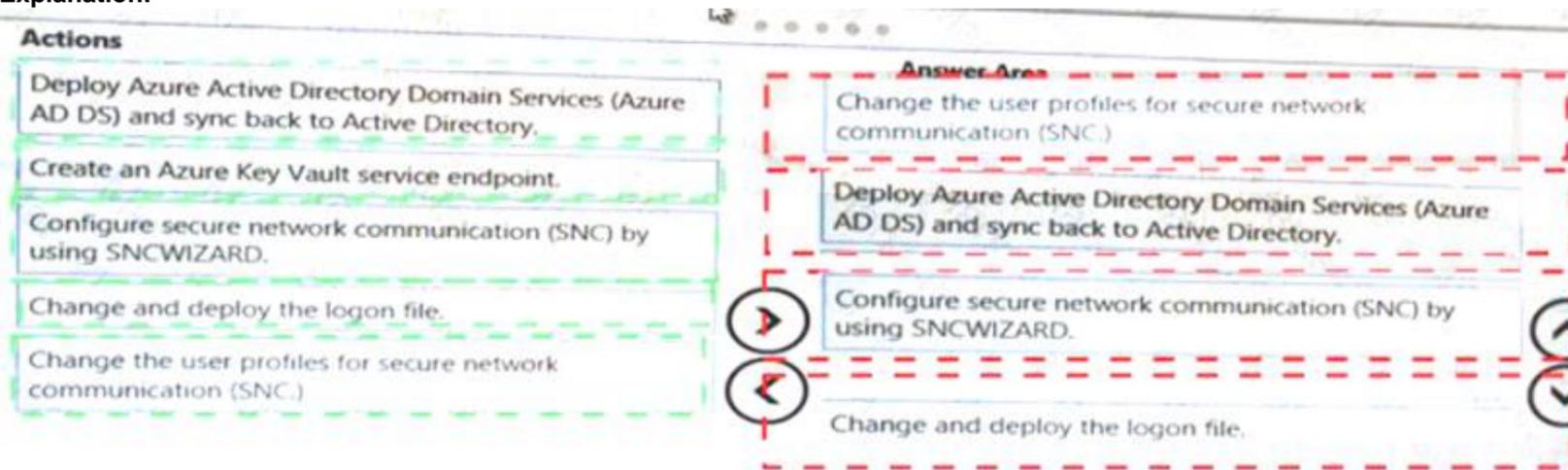
Below the 'Actions' list are two circular arrows, one pointing right and one pointing left, indicating that the actions can be moved and ordered. The 'Answer Area' is currently empty.

A. Mastered

B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 8

- (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 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 a HANA-certified Azure environment.

Solution: You migrate SAP to Azure by using Azure Site Recovery, and then you upgrade to SAP NetWeaver 7.4.

Does this meet the goal?

A. Yes

B. No

Answer: B

Explanation:

We need upgrade to SAP NetWeaver 7.4 before the migration. Reference:

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

NEW QUESTION 9

- (Exam Topic 2)

You plan to deploy SAP application servers that run Windows Server 2016.

You need to use PowerShell Desired State Configuration (DSC) to configure the SAP application server once the servers are deployed.

Which Azure virtual machine extension should you install on the servers?

A. the Azure DSC VM Extension

B. the Azure virtual machine extension

C. the Azure Chef extension

D. the Azure Enhanced Monitoring Extension for SAP

Answer: A

Explanation:

The Azure Desired State Configuration (DSC) VM Extension is updated as-needed to support enhancements and new capabilities delivered by Azure, Windows Server, and the Windows Management Framework (WMF) that includes Windows PowerShell.

References:

<https://docs.microsoft.com/en-us/powershell/scripting/dsc/getting-started/azuredscexthistory>

NEW QUESTION 10

- (Exam Topic 2)

This question requires that you evaluate the underlined text to determine if it is correct.

When deploying SAP HANA to an Azure virtual machine, you can enable Write Accelerator to reduce the latency between the SAP application servers and the database layer.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

A. No change is needed

B. install the Mellanox driver

C. start the NIPING service

D. enable Accelerated Networking

Answer: D

Explanation:

To further reduce network latency between Azure VMs, we [Microsoft] recommend that you choose Azure Accelerated Networking. Use it when you deploy Azure VMs for an SAP workload, especially for the SAP application layer and the SAP DBMS layer.

NEW QUESTION 10

- (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 use a third-party tool that uses backint to back up the SAP HANA database to Azure storage. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

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 11

- (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 16

- (Exam Topic 2)

You have an on-premises SAP environment.

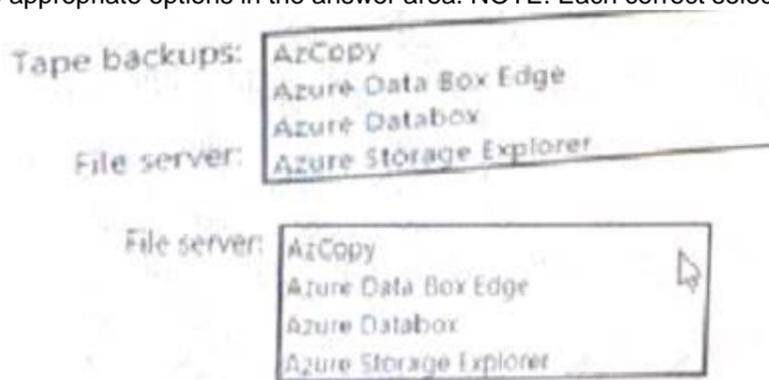
Backups are performed by using tape backups. There are 50 TB of backups.

A Windows file server has BMP images of checks used by SAP Finance. There are 9 TB of images.

You need to recommend a method to migrate the images and the tape backups to Azure. The solution must maintain continuous replication of the images.

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.

Answer Area

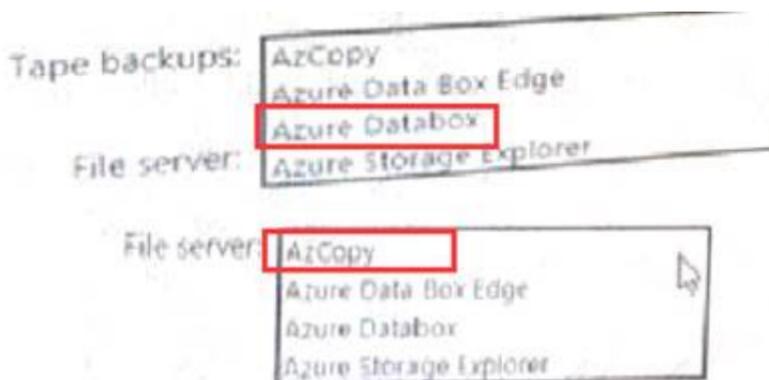


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 21

- (Exam Topic 2)

You are deploying an SAP environment across Azure Availability Zones. The environment has the following components:

- > ASCS/ERS instances that use a failover cluster
- > SAP application servers across the Azure Availability Zones
- > Database high availability by using a native database solution

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
Network latency is a limiting factor when deploying DBMS instances that use synchronous replication across the Azure Availability Zones.	<input type="radio"/>	<input type="radio"/>
The performance of SAP systems can be validated by using ABAPMeter.	<input type="radio"/>	<input type="radio"/>
To help identify the best Azure Availability Zones for deploying the SAP components, you can use NIPING to verify network latency between the zones.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No

Azure Availability Zones are physically separate locations within an Azure region protecting customers' applications and data from datacenter-level failures. It is good for applications that require low-latency synchronous replication with protection from datacenter-level failures.

Box 2: Yes

AAP application server to database server latency can be tested with ABAPMeter report /SSA/CAT. Box 3: Yes

To analyze network issue or measure network metrics you can test the connection using SAP's NIPING program. You can use NIPING to analyze the network connection between any two machines running SAP software.

Reference:

<https://azure.microsoft.com/sv-se/blog/azure-availability-zones-expand-with-new-services-and-to-new-regions-i> <https://azure.microsoft.com/en-us/blog/sap-on-azure-architecture-designing-for-performance-and-scalability/> <https://wiki.scn.sap.com/wiki/pages/viewpage.action?pageId=360974069>

NEW QUESTION 24

- (Exam Topic 2)

A company named Contoso, Ltd. has users across the globe. Contoso is evaluating whether to migrate SAP to Azure.

The SAP environment runs on SUSE Linux Enterprise Server (SLES) servers and SAP HANA databases. The Suite on HANA database is 4 TB.

You need to recommend a migration solution to migrate SAP application servers and the SAP HANA databases. The solution must minimize downtime.

Which migration solutions should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

SAP application servers:

<input type="checkbox"/>	AzCopy
<input type="checkbox"/>	Azure Site Recovery
<input type="checkbox"/>	SAP HANA system replication
<input type="checkbox"/>	System Copy for SAP Systems

SAP HANA databases:

<input type="checkbox"/>	AzCopy
<input type="checkbox"/>	Azure Site Recovery
<input type="checkbox"/>	SAP HANA system replication
<input type="checkbox"/>	System Copy for SAP Systems

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Site Recovery

Microsoft Azure Site Recovery (ASR) now supports SUSE Linux Enterprise Server 11 SP3/SP4 and SUSE Linux Enterprise Server 12 SP1/SP2/SP3. This is great for customers that are planning to migrate systems to Microsoft Azure or customers who need to have a business continuity strategy for their Azure deployments.

Azure Site Recovery enables SUSE customers to migrate their non-Azure virtual machines or physical servers to Microsoft Azure virtual machines.

Box 2: System Copy for SAP Systems

In order to migrate an existing SAP HANA system into Azure, a SAP homogeneous system copy can be performed.

Reference: https://www.suse.com/c/asr_supports_suse/ <https://www.netapp.com/us/media/tr-4746.pdf>

NEW QUESTION 27

- (Exam Topic 2)

You have an on-premises SAP environment.

Backups are performed by using tape backups. There are 50 TB of backups.

A Windows file server has BMP images of checks used by SAP Finance. There are 9 TB of images. You need to recommend a method to migrate the images and the tape backups to Azure. The solution must maintain continuous replication of the images. 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.

Tape backups:

- AzCopy
- Azure Data Box Edge
- Azure Databox
- Azure Storage Explorer

File server:

- AzCopy
- Azure Data Box Edge
- Azure Databox
- Azure Storage Explorer

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Tape backups: Azure DataBox

The Microsoft Azure Data Box cloud solution lets you send terabytes of data into Azure in a quick, inexpensive, and reliable way. The secure data transfer is accelerated by shipping you a proprietary Data Box storage device. Each storage device has a maximum usable storage capacity of 80 TB and is transported to your datacenter through a regional carrier. The device has a rugged casing to protect and secure data during the transit.

File server: Azure Storage Explorer

Azure Storage Explorer is an application which helps you to easily access the Azure storage account through any device on any platform, be it Windows, MacOS, or Linux. You can easily connect to your subscription and manipulate your tables, blobs, queues, and files.

NEW QUESTION 30

- (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.

Answer Area

Statements	Yes	No
You must split data files and database logs between different Azure virtual disks to increase the database read/write performance.	<input type="radio"/>	<input type="radio"/>
Enabling Accelerate Networking on virtual NICs for all SAP servers will reduce network latency between the servers.	<input checked="" type="radio"/>	<input type="radio"/>
When you use SAP HANA on Azure (Large Instances), you should set the MTU on the primary network interface to match the MTU on SAP application servers to reduce CPU utilization and network latency.	<input checked="" type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
You must split data files and database logs between different Azure virtual disks to increase the database read/write performance.	<input type="radio"/>	<input type="radio"/>
Enabling Accelerate Networking on virtual NICs for all SAP servers will reduce network latency between the servers.	<input checked="" type="radio"/>	<input type="radio"/>
When you use SAP HANA on Azure (Large Instances), you should set the MTU on the primary network interface to match the MTU on SAP application servers to reduce CPU utilization and network latency.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 35

- (Exam Topic 2)

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.

Values

Answer Area

- sap-ase
- sap-bobj
- sapconf
- sap-hana
- sap-netweaver
- saptune
- tuned

```
osprompt> more /etc/sysconfig/ Value
osprompt> more /usr/lib/tuned/ Value /tuned.conf
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: sapconf

The configuration is split into two parts:

/etc/sysconfig/sapconf

/usr/lib/tuned//tuned.conf

Box 2: tuned References:

<https://www.suse.com/c/sapconf-a-way-to-prepare-a-sles-system-for-sap-workload-part-2/>

NEW QUESTION 36

- (Exam Topic 2)

You plan to migrate an on-premises SAP development system to Azure.

Before the migration, you need to check the usage of the source system hardware, such as CPU, memory, network, etc.

Which transaction should you run from SAP GUI?

- A. SM51
- B. DB01
- C. DB12
- D. OS07N

Answer: D

Explanation:

SAP transaction OS07N (Remote Operating System Activity) is classified in the Basis Component module under application component Operating System Monitors and runs Monitoring Operating System program RSHOST1N upon execution.

NEW QUESTION 38

- (Exam Topic 2)

You are designing the backup for an SAP database.

You have an Azure Storage account that is configured as shown in the following exhibit.

The cost of your storage account depends on the usage and the options you choose below.
 Learn more

Account kind
 StorageV2 (general purpose v2)

Performance ⓘ
 Standard Premium

* Secure transfer required ⓘ
 Disabled Enabled

Access tier (default) ⓘ
 Cool Hot

Replication ⓘ
 Geo-redundant storage (GRS) ▼

Azure Active Directory authentication for Azure Files (Preview) ⓘ
 Disabled Enabled

Data Lake Storage Gen2
 Hierarchical namespace ⓘ
 Disabled 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.

Data in the storage account is stored on
[answer choice].

▼

- hard disk drives (HDDs)
- premium solid-state drives (SSDs)
- standard solid-state drives (SSDs)

Backups will be replicated
[answer choice].

▼

- to a storage cluster in the same datacenter
- to another Azure region
- to another zone within the same Azure region

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: standard solid-state drives (SSDs)

Standard SSD Managed Disks, a low-cost SSD offering, are optimized for test and entry-level production workloads requiring consistent latency.

Box 2: to another Azure region

Geo-redundant storage (GRS) copies your data synchronously three times within a single physical location in the primary region using LRS. It then copies your data asynchronously to a single physical location in a secondary region that is hundreds of miles away from the primary region.

References:

<https://azure.microsoft.com/en-us/pricing/details/managed-disks/>

<https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy#geo-redundant-storage>

NEW QUESTION 39

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