



**Microsoft**

## **Exam Questions AZ-120**

Planning and Administering Microsoft Azure for SAP Workloads

NEW QUESTION 1

- (Exam Topic 1)

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
After the migration, you can use Azure Site Recovery to back up the SAP HANA databases.	<input type="radio"/> <input type="radio"/>
After the migration, you can use SAP HANA Cockpit to back up the SAP ECC databases.	<input type="radio"/> <input type="radio"/>
After the migration, you can use SAP HANA Cockpit to back up SAP BW.	<input type="radio"/> <input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

YES YES NO

NEW QUESTION 2

- (Exam Topic 1)

Litware is evaluating whether to add high availability after the migration? What should you recommend to meet the technical requirements?

- A. SAP HANA system replication and Azure Availability Sets
- B. Azure virtual machine auto-restart with SAP HANA service auto-restart.
- C. Azure Site Recovery

Answer: A

NEW QUESTION 3

- (Exam Topic 1)

What should you use to perform load testing as part of the migration plan?

- A. JMeter
- B. SAP LoadRunner by Micro Focus
- C. Azure Application Insights
- D. Azure Monitor

Answer: B

Explanation:

Scenario: Upgrade and migrate SAP ECC to SAP Business Suite on HANA Enhancement Pack 8.

With the SAP LoadRunner application by Micro Focus, you can accelerate testing and development, reduce slowdowns and expenses, and gain a better understanding of performance issues. Validate software performance, virtualize your network, simulate workloads, benchmark production system performance, and optimize your deployment of SAP HANA software

References: <https://www.sap.com/products/loadrunner.html>

NEW QUESTION 4

- (Exam Topic 2)

You have the following Azure Resource Manager template.

```
{
  "$schema": "https://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#",
  "contentVersion": "1.0.0.0",
  "parameters": {},
  "resources": [
    {
      "apiVersion": "2016-01-01",
      "type": "Microsoft.Storage/storageAccounts",
      "name": "[concat(copyIndex(), 'storage', uniqueString(resourceGroup().id))]",
      "location": "[resourceGroup().location]",
      "sku": {
        "name": "Premium_LRS"
      },
      "kind": "Storage",
      "properties": {},
      "copy": {
        "name": "storagecopy",
        "count": 6,
        "mode": "Serial",
        "batchSize": 1
      }
    }
  ]
}
```

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
Six storage accounts will be created.	<input type="radio"/>	<input type="radio"/>
The storage accounts will be created in parallel.	<input type="radio"/>	<input type="radio"/>
The storage accounts will be replicated to multiple regions.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes  
Count is 6.  
Box 2: No Mode is serial. Box 3: Yes References:  
<https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/copy-resources>

NEW QUESTION 5

- (Exam Topic 2)  
You are deploying SAP Fiori to an SAP environment on Azure.  
You are configuring SAML 2.0 for an SAP Fiori instance named FPP that uses client 100 to authenticate to an Azure Active Directory (Azure AD) tenant.  
Which provider name should you use to ensure that the Azure AD tenant recognizes the SAP fiori instance?

- A. ldap://FPP
- B. https://FPP
- C. ldap://FPP-100
- D. https://FPP100

Answer: D

Explanation:

By default, the provider name is in the format <sid><client>. Azure AD expects the name in the format <protocol>://<name>. We recommend that you maintain the provider name as https://<sid><client> so you can configure multiple SAP Fiori ABAP engines in Azure AD.  
Example:

**SAML 2.0 Configuration of ABAP System: T01/122** Logoff

Local Provider | Trusted Providers | Policies | Name ID Management

Edit **Save** Cancel | Disable | Metadata | Delete Configuration | Export Configuration

Provider Name:

Operation Mode:

Status: ☒ Enabled

General Settings | Authentication Contexts | Service Provider Settings

**Signature and Encryption**

Signing Keypair:

Encryption Keypair:

☒ Include Certificate in Signature

☒ Sign Metadata

**Miscellaneous**

Clock Skew Tolerance:  Seconds

Reference:  
<https://docs.microsoft.com/en-us/azure/active-directory/saas-apps/sap-fiori-tutorial>

**NEW QUESTION 6**

- (Exam Topic 2)

You recently migrated an SAP HANA environment to Azure.

You plan to back up SAP HANA databases to disk on the virtual machines, and then move the backup tiles to Azure Blob storage for retention.

Which command should you run to move the backups to the Blob storage?

- A. backint
- B. robocopy
- C. azcopy
- D. scp

**Answer: C**

**Explanation:**

To store directories and files on Azure storage, one could use CLI or PowerShell. There is also a ready-to-use utility, AzCopy, for copying data to Azure storage.

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/sap-hana-backup-file-level>

**NEW QUESTION 7**

- (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.

Answer Area		
Statements	Yes	No
You can use SAP Landscape Management (LaMa) to automate stopping, starting, and deallocating SAP virtual machines.	<input type="radio"/>	<input type="radio"/>
You can use SAP Solution Manager to automate stopping, starting, and deallocating SAP virtual machines.	<input type="radio"/>	<input type="radio"/>
You can use SAP HANA Cockpit to automate stopping, starting, and deallocating SAP virtual machines.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer: A**



### Answer Area

Statements	Yes	No
You can use SAP Landscape Management (LaMa) to automate stopping, starting, and deallocating SAP virtual machines.	<input checked="" type="radio"/>	<input type="radio"/>
You can use SAP Solution Manager to automate stopping, starting, and deallocating SAP virtual machines.	<input type="radio"/>	<input checked="" type="radio"/>
You can use SAP HANA Cockpit to automate stopping, starting, and deallocating SAP virtual machines.	<input type="radio"/>	<input checked="" type="radio"/>

- (Exam Topic 2)

You have an on-premises SAP environment that uses AIX servers and IBM DB2 as the database platform. You plan to migrate SAP to Azure. In Azure, the SAP workloads will use Windows Server and Microsoft SQL Server as the database platform.

What should you use to export from DB2 and import the data to SQL Server?

- A. R3load  
B. Azure SQL Data Warehouse  
C. SQL Server Management Studio (SSMS)  
D. R3trans

**Explanation:**

References:

<https://docs.microsoft.com/en-us/sql/ssma/db2/connecting-to-db2-database-db2tosql?view=sql-server-ver15> [https://docs.microsoft.com/en-us/biztalk/adapters-and-accelerators/adapters-sap/import-sap-data-using-sql-server](https://docs.microsoft.com/en-us/biztalk/adapters-and-accelerators/adapters/adapters-sap/import-sap-data-using-sql-server)

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

**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

These are the selections for the statement. The action group will be notified if the average CPU rises above 85% for [answer choice].

The [answer choice] when the alert is triggered.

admins action group will be emailed  
restartVM action group will be emailed  
virtual machines will restart

- visit - <https://www.certshared.com>

B. Not Mastered

Answer: A

Explanation:

**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

These are the selections for the statement The ad action group will be notified if the average CPU rises above 85% for [answer choice].

The [answer choice] when the alert is triggered.

admins action group will be emailed  
restartVM action group will be emailed  
virtual machines will restart

NEW QUESTION 10

- (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 can use NIPING to examine network latency between an SAP HANA database server and an SAP application server hosted on Azure.	<input type="radio"/>	<input type="radio"/>
You can use LoadRunner to generate traffic between a client and an SAP application server hosted on Azure.	<input type="radio"/>	<input type="radio"/>
You can use the SAP HANA HW Configuration Check Tool (HWCCT) to examine network latency between an SAP HANA database server and an SAP application server hosted on Azure.	<input type="radio"/>	<input type="radio"/>

A. Mastered

B. Not Mastered

Answer: A

Explanation:

**Answer Area**

Statements	Yes	No
You can use NIPING to examine network latency between an SAP HANA database server and an SAP application server hosted on Azure.	<input checked="" type="radio"/>	<input type="radio"/>
You can use LoadRunner to generate traffic between a client and an SAP application server hosted on Azure.	<input type="radio"/>	<input checked="" type="radio"/>
You can use the SAP HANA HW Configuration Check Tool (HWCCT) to examine network latency between an SAP HANA database server and an SAP application server hosted on Azure.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 10

- (Exam Topic 2)

Your on-premises network contains an Active Directory domain.

You have an SAP environment on Azure that runs on SUSE Linux Enterprise Server (SLES) servers. You configure the SLES servers to use domain controllers as their NTP servers and their DNS servers. You need to join the SLES servers to the Active Directory domain.

Which three 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.

Actions

Add realm details to /etc/krb5.conf and /etc/samba/smb.conf

Shut down the following services: smbd, nmbd, and winbindd

Run net ads join -U administrator

Run net rpc join -U administrator

Install the samba-winbind package

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Install the samba-winbind package  
Install samba-winbind  
Step 2: Add realm details to /etc/krb5.conf and /etc/samba/smb.conf  
Edit files - best way to do this is to use yast on test machine and copy files from it  
In following examples you need to replace EXAMPLE/EXAMPLE.COM/.example.com with your values/settings  
/etc/samba/smb.conf [global]  
workgroup = EXAMPLE  
usershare allow guests = NO #disallow guests from sharing idmap gid = 10000-20000  
idmap uid = 10000-20000  
kerberos method = secrets and keytab realm = EXAMPLE.COM  
security = ADS  
template homedir = /home/%D/%U template shell = /bin/bash  
winbind offline logon = yes winbind refresh tickets = yes  
/etc/krb5.conf [libdefaults]  
default\_realm = EXAMPLE.COM clocks skew = 300  
[realms] EXAMPLE.COM = {  
kdc = PDC.EXAMPLE.COM  
default\_domain = EXAMPLE.COM admin\_server = PDC.EXAMPLE.COM  
}  
Step 3: Run net ads join -U administrator  
Join the SLES 12 Server to the AD domain  
References:  
<https://www.suse.com/support/kb/doc/?id=7018461>

NEW QUESTION 15

- (Exam Topic 2)  
You deploy SAP HANA by using SAP HANA on Azure (Large Instances).  
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
You can use SAP HANA Studio to monitor CPU, memory, network, and storage usage for SAP HANA on Azure (Large Instances).	<input type="radio"/>	<input type="radio"/>
Azure Enhanced Monitoring is required to monitor the performance of SAP HANA on Azure (Large Instances).	<input type="radio"/>	<input type="radio"/>
You can use the SAP HANA HW Configuration Check Tool (HWCCT) to monitor SAP HANA running on SAP HANA on Azure (Large Instances).	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No  
Box 2: Yes  
The SAP Azure Enhanced Monitoring Extension allows for collecting diagnostic data including OS and Application performance counters from Azure VMs running



SAP workloads.

Box 3: No References:

<http://www.deployazure.com/compute/virtual-machines/sap-azure-enhanced-monitoring-extension/>

#### NEW QUESTION 17

- (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 22

- (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 a user-defined route table. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### NEW QUESTION 24

- (Exam Topic 2)

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

**Answer:** CDE

#### Explanation:

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>

#### NEW QUESTION 28

- (Exam Topic 2)

You are planning the Azure network infrastructure for an SAP environment.

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
You can segregate the SAP application layer and the DBMS layer into different virtual networks that are peered by using Global Vnet peering.	<input type="radio"/>	<input type="radio"/>
You can segregate the SAP application layer and the DBMS layer into different subnets in the same virtual network.	<input type="radio"/>	<input type="radio"/>
If you segregate the SAP application layer and the DBMS layer into different peered virtual networks, you will incur costs for the data transferred between the virtual networks.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Yes

Box 2: No

A design that's not supported is the segregation of the SAP application layer and the DBMS layer into different Azure virtual networks that aren't peered with each other. We recommend that you segregate the SAP application layer and DBMS layer by using subnets within an Azure virtual network instead of by using different Azure virtual networks.

Box 3: Yes

Be aware that network traffic between two peered Azure virtual networks is subject to transfer costs. Huge data volume that consists of many terabytes is exchanged between the SAP application layer and the DBMS layer. You can accumulate substantial costs if the SAP application layer and DBMS layer are segregated between two peered Azure virtual networks.

References:

[https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/dbms\\_guide\\_general](https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/dbms_guide_general)

**NEW QUESTION 32**

- (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 33**

- (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 37**

- (Exam Topic 2)

You plan to migrate an SAP environment to Azure.

You need to create a design to facilitate end-user access to SAP applications over the Internet, while restricting user access to the virtual machines of the SAP application servers. What should you include in the design?

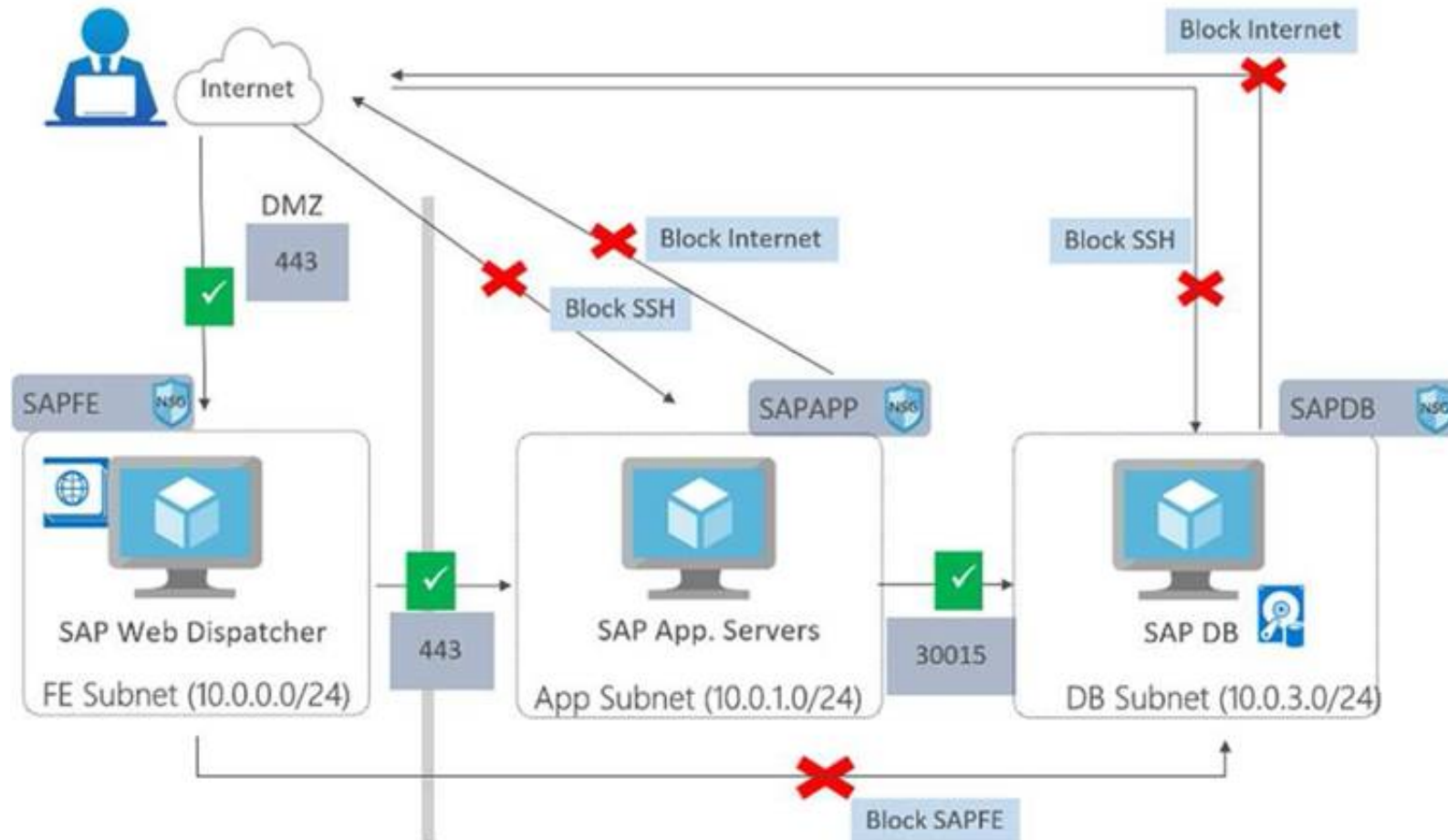
- A. Configure a public IP address for each SAP application server

- B. Deploy an internal Azure Standard Load Balancer for incoming connections
- C. Use an SAP Web Dispatcher to route all incoming connections
- D. Configure point-to-site VPN connections for each user

**Answer: C**

**Explanation:**

- > A public internet user can reach the SAP Web-Dispatcher over port 443
- > The SAP Web-Dispatcher can reach the SAP Application server over port 443
- > The App Subnet accepts traffic on port 443 from 10.0.0.0/24
- > The SAP Application server sends traffic on port 30015 to the SAP DB server
- > The DB subnet accepts traffic on port 30015 from 10.0.1.0/24.
- > Public Internet Access is blocked on both App Subnet and DB Subnet.



**References:**

<https://azure.microsoft.com/en-in/blog/sap-on-azure-architecture-designing-for-security/>

**NEW QUESTION 40**

- (Exam Topic 2)

A customer has an on-premises SAP environment. The customer plans to migrate SAP to Azure.

You need to prepare the environment for the planned migration.

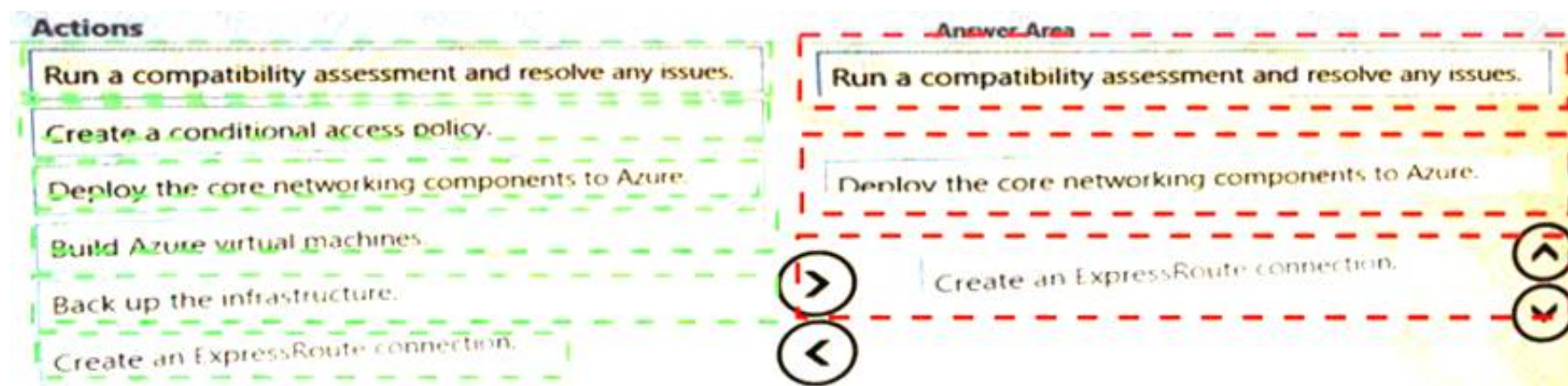
Which three actions should you perform in sequence before the migration? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Run a compatibility assessment and resolve any issues.	
Create a conditional access policy.	
Deploy the core networking components to Azure.	
Build Azure virtual machines.	
Back up the infrastructure.	
Create an ExpressRoute connection.	

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**



#### NEW QUESTION 43

- (Exam Topic 2)

You plan to migrate an SAP environment to Azure.

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

- \* Prevent end users from accessing the database servers.
- \* Isolate the application servers from the database servers.
- \* Ensure that end users can access the SAP systems over the internet

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

**Answer:** DE

#### NEW QUESTION 47

- (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 50

- (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 create a Recovery Services vault and a backup policy. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

#### Explanation:

Backup architecture

- The backup process begins by creating a Recovery services vault in Azure. This vault will be used to store the backups and recovery points created over time.
- The Azure VM running SAP HANA server is registered with the vault, and the databases to be backed-up are discovered. To enable the Azure Backup service to discover databases, a preregistration script must be run on the HANA server as a root user.
- This script creates AZUREWLBACKUPHANAUSER DB user and a corresponding key with the same name in hdbuserstore. Refer to the setting up permissions section to understand more about what the script does.
- Azure Backup Service now installs the Azure Backup Plugin for HANA on the registered SAP HANA server.
- The AZUREWLBACKUPHANAUSER DB user created by the preregistration script is used by the Azure Backup Plugin for HANA to perform all backup and restore operations. If you attempt to configure backup for SAP HANA DBs without running this script, you might receive the following error: UserErrorHanaScriptNotRun.



- To configure backup on the databases that are discovered, choose the required backup policy and enable backups.
- Once the backup is configured, Azure Backup service sets up the Backint parameters at the DATABASE level on the protected SAP HANA server.
- The Azure Backup Plugin for HANA maintains all the backup schedules and policy details. It triggers the scheduled backups and communicates with the HANA Backup Engine through the Backint APIs.
- The HANA Backup Engine returns a Backint stream with the data to be backed up.
- All the scheduled backups and on-demand backups (triggered from the Azure portal) that are either full or differential are initiated by the Azure Backup Plugin for HANA. However, log backups are managed and triggered by HANA Backup Engine itself.

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 52

- (Exam Topic 2)

You have an SAP environment on Azure that uses multiple subscriptions.

To meet GDPR requirements, you need to ensure that virtual machines are deployed only to the West Europe and North Europe Azure regions.

Which Azure components should you use?

- A. Azure resource locks and the Compliance admin center
- B. Azure resource groups and role-based access control (RBAC)
- C. Azure management groups and Azure Policy
- D. Azure Security Center and Azure Active Directory (Azure AD) groups

**Answer: C**

### Explanation:

Azure Policy enables you to set policies to conform to the GDPR. Azure Policy is generally available today at no additional cost to Azure customers. You can use Azure Policy to define and enforce policies that help your cloud environment become compliant with internal policies as well as external regulations.

Azure Policy is deeply integrated into Azure Resource Manager and applies across all resources in Azure. Individual policies can be grouped into initiatives to quickly implement multiple rules. You can also use Azure Policy in a wide range of compliance scenarios, such as ensuring that your data is encrypted or remains in a specific region as part of GDPR compliance. Microsoft is the only hyperscale cloud provider to offer this level of policy integration built in to the platform for no additional charge.

References:

<https://azure.microsoft.com/de-de/blog/new-capabilities-to-enable-robust-gdpr-compliance/>

## NEW QUESTION 53

- (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
Azure AD Connect is required to sign into Linux virtual machines hosted in Azure.	<input type="radio"/>	<input type="radio"/>
An SAP application server that runs on a Linux virtual machine in Azure must be joined to Active Directory.	<input type="radio"/>	<input type="radio"/>
Before you can sign into an SAP application server that runs on a Linux virtual machine in Azure, you must create a Managed Service Identity (MSI).	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer: A**

### Explanation:

Box 1: No

To log in to a Linux VM with Azure AD credentials, install the Azure Active Directory login VM extension. Note: Azure AD Connect is the Microsoft tool designed to meet and accomplish your hybrid identity goals. Box 2: Yes

If you deploy SAP VMs in a cross-premises scenario, where on-premises Active Directory and DNS are extended in Azure, it is expected that the VMs are joining an on-premises domain.

Box 3: No

References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/deployment-guide>

## NEW QUESTION 57

- (Exam Topic 2)

You deploy an SAP environment on Azure.

Your company has a Service Level Agreement (SLA) of 99.99% for SAP. You implement Azure Availability Zones that have the following components: Redundant SAP application servers



ASCS/ERS instances that use a failover cluster

Database high availability that has a primary instance and a secondary instance You need to validate the high availability configuration of the ASCS/ERS cluster. What should you use?

- A. SAP Web Dispatcher
- B. Azure Traffic Manager
- C. SAPControl
- D. SAP Solution Manager

**Answer:** B

**Explanation:**

C: You can use SAPControl to start or stop an SAP system from the command line. References:  
<https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/sap/sap-netweaver>

**NEW QUESTION 61**

- (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:

	▼
AzCopy	
Azure Site Recovery	
SAP HANA system replication	
System Copy for SAP Systems	

SAP HANA databases:

	▼
AzCopy	
Azure Site Recovery	
SAP HANA system replication	
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.suse.com/c/asr_supports_suse/) <https://www.netapp.com/us/media/tr-4746.pdf>

**NEW QUESTION 66**

- (Exam Topic 2)

You deploy an SAP environment on Azure by following the SAP workload on Azure planning and deployment checklist.

You need to verify whether Azure Diagnostics is enabled. Which cmdlet should you run?

- A. Get-AzureVMAvailableExtension
- B. Get-AzVmDiagnosticsExtension
- C. Test-AzDeployment
- D. Test-VMConfigForSAP

**Answer:** B

**Explanation:**

The Get-AzVMDiagnosticsExtension cmdlet gets the settings of the Azure Diagnostics extension on a virtual machine.

**NEW QUESTION 71**

- (Exam Topic 2)

You plan to migrate an SAP ERP Central Component (SAP ECC) production system to Azure. You are reviewing the SAP EarlyWatch Alert report for the system.

You need to recommend sizes for the Azure virtual machines that will host the system.

Which two sections of the report should you review? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Hardware Capacity
- B. Patch Levels under SAP Software Configuration
- C. Hardware Configuration under Landscape
- D. Database and ABAP Load Optimization
- E. Data Volume Management

**Answer:** AD

**Explanation:**

It is important to note that there are 2 types of data collected for Hardware Capacity. Performance Data - e.g. CPU and Memory utilization data. Hardware Capacity data shown in the EWA is measuring CPU and Memory utilization data. This is known as Performance Data. Configuration Data - e.g. OS information, CPU type. It is also collecting system information about the host such as hardware manufacturer, CPU type etc. This is known as Configuration Data.

**NEW QUESTION 76**

- (Exam Topic 2)

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.

**Actions**

- Configure SAML single sign-on (SSO).
- Add SAP NetWeaver from the Azure AD application gallery.
- Add SAP Cloud Platform Identity from the Azure AD application gallery.
- Create and upload the service provider metadata file to Azure AD.
- Upload the FederationMetadata.xml file to the SAP NetWeaver Trusted Providers.
- Implement Active Directory Federation Services (AD FS).

**Answer Area**

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Actions**

- Configure SAML single sign-on (SSO).
- Add SAP NetWeaver from the Azure AD application gallery.
- Add SAP Cloud Platform Identity from the Azure AD application gallery.
- Create and upload the service provider metadata file to Azure AD.
- Upload the FederationMetadata.xml file to the SAP NetWeaver Trusted Providers.
- Implement Active Directory Federation Services (AD FS).

**Answer Area**

- Add SAP NetWeaver from the Azure AD application gallery.
- Implement Active Directory Federation Services
- Add SAP Cloud Platform Identity from the Azure
- Configure SAML single sign-on (SSO).

**NEW QUESTION 79**

- (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 81**

- (Exam Topic 2)

A customer enterprise SAP environment plans to migrate to Azure. The environment uses servers that runs Windows Server 2016 and Microsoft SQL Server. The environment is critical and requires a comprehensive business continuity and disaster recovery (BCDRJ strategy that minimizes the recovery point objective (RPO) and the recovery time objective (RTO).

The customer wants a resilient environment that has a secondary site that is at least 250 Kilometers away. You need to recommend a solution for the customer. Which two solutions should you recommend? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. an internal load balancer to route Internet traffic
- B. warm standby virtual machines in Azure Availability Zones.
- C. warm standby virtual machines in paired regions
- D. Warm standby virtual machine an Azure Availability Set that uses geo-redundant storage (GRS)
- E. Azure Traffic Manager to route incoming traffic.

**Answer:** CD

**Explanation:**

References:

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

**NEW QUESTION 86**

- (Exam Topic 2)

You are deploying an SAP production landscape to Azure.

Your company's chief information security officer (CISO) requires that the SAP deployment complies with ISO 27001.

You need to generate a compliance report for ISO 27001. What should you use?

- A. Azure Security Center
- B. Azure Log Analytics
- C. Azure Active Directory (Azure AD)
- D. Azure Monitor

**Answer:** A

**NEW QUESTION 91**

- (Exam Topic 2)

You have a large and complex SAP environment on Azure.

You are designing a training landscape that will be used 10 times a year.

You need to recommend a solution to create the training landscape. The solution must meet the following requirements:

- Minimize the effort to build the training landscape.



➤ Minimize costs.  
In which order should you recommend the actions be performed for the first training session? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Build the training landscape

Create a custom image by using the snapshot

Deliver the training

Take a snapshot of the virtual machine disks

Shut down and delete the virtual machines

Answer Area

⬅

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⬇

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
References:  
<https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/planning-guide>

NEW QUESTION 94

- (Exam Topic 2)  
You have an on- premises SAP environment hosted on VMware VSphere that in Microsoft SQL Server as the database platform. You plan to migrate the environment to Azure. The database platform will remain the same. You need gather information lo size the target Azure Environment for the migration. What should you use?  
What should you use?

- A. Azure Monitor
- B. the SAP NANA sizing report
- C. the SAP EarlyWatch Alert report
- D. Azure Advisor

Answer: D

NEW QUESTION 95

- (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.

Actions

Install the Azure Enhanced Monitoring Extension for SAP on SAP HANA on Azure (Large Instances).

On the gateway, run Import-Module OMSGateway and Add-OMSGatewayAllowedHost.

Configure a Log Analytics gateway on the virtual network that has connectivity to the SAP HANA on Azure (Large Instances) instance.

Install the Log Analytics client on the SAP HANA on Azure (Large Instances) instance.

Configure a Log Analytics gateway server as a proxy for the Log Analytics client on SAP HANA on Azure (Large Instances).

Answer Area

⬅

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⬇

- A. Mastered
- B. Not Mastered

Answer: A



**Explanation:**

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>

**NEW QUESTION 99**

- (Exam Topic 2)

You are deploying an SAP environment on Azure that will use an SAP HANA database server.

You provision an Azure virtual machine for SAP HANA by using the M64s virtual machine SKU.

You need to set the swap space by using the Microsoft Azure Linux Agent (waagent) configuration file. Which two settings should you configure? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. ResourceDisk.EnableSwapEncryption=n

B. AutoUpdate.Enabled=n

C. ResourceDisk.SwapSizeMB=229376

D. ResourceDisk.EnableSwap=y

**Answer: CD**

**Explanation:**

To create a swap file in the directory that's defined by the ResourceDisk.MountPoint parameter, you can update the /etc/waagent.conf file by setting the following three parameters:

ResourceDisk.Format=y ResourceDisk.EnableSwap=y ResourceDisk.SwapSizeMB=xx References:

<https://support.microsoft.com/en-us/help/4010058/how-to-add-a-swap-file-in-linux-azure-virtual-machines>

**NEW QUESTION 100**

- (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 105**

- (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 use Monitoring from the SAP HANA Cockpit.

Does this meet the goal?

A. Yes

B. No

**Answer: A**

**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. Reference:

<https://developers.sap.com/tutorials/dt-monitoring-hana-part1.html> <https://help.sap.com/viewer/afa922439b204e9caf22c78b6b69e4f2/2.10.0.0/en-US>

<https://www.hanatutorials.com/p/hana-monitoring-dashboard.html>

**NEW QUESTION 107**

- (Exam Topic 2)

You have an Azure Availability Set that is configured as shown in the following exhibit.

```
PS Azure:\> get-azavailabilityset | Select Sku, PlatformFaultDomainCount, PlatformUpdateDomainCount, name, type | FL
```

Sku	: Aligned
PlatformFaultDomainCount	: 2
PlatformUpdateDomainCount	: 4
Name	: SAP-Databases-AS
Type	: Microsoft.Compute/availabilitySets

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.

Virtual machines that share [answer choice] will be susceptible to a storage outage.

aligned SKUs

the same fault domain

the same update domain

Virtual machines in the Azure Availability Set can support [answer choice].

datacenter outages

managed disks

regional outages

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: the same fault domain  
Fault domains define the group of virtual machines that share a common power source and network switch. If a storage fault domain fails due to hardware or software failure, only the VM instance with disks on the storage fault domain fails.

Box 2: managed disks  
Managed disks provide better reliability for Availability Sets by ensuring that the disks of VMs in an Availability Set are sufficiently isolated from each other to avoid single points of failure. It does this by automatically placing the disks in different storage fault domains (storage clusters) and aligning them with the VM fault domain.

References:  
<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/manage-availability>

NEW QUESTION 110

- (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
<div>sap-ase</div>	osprompt> more /etc/sysconfig/ <div>Value</div>
<div>sap-bobj</div>	osprompt> more /usr/lib/tuned/ <div>Value</div> /tuned.conf
<div>sapconf</div>	
<div>sap-hana</div>	
<div>sap-netweaver</div>	
<div>saptune</div>	
<div>tuned</div>	

- 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 111

- (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 112

- (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 115

- (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
When configuring an Azure virtual machine, the Azure Enhanced Monitoring features are required to monitor SAP application performance.	<input type="radio"/>	<input type="radio"/>
To successfully start an Azure virtual machine that contains SAP, you must have Azure Enhanced Monitoring installed.	<input type="radio"/>	<input type="radio"/>
If you deploy SAP by using the Azure Resource Manager templates for SAP, Azure Enhanced Monitoring is installed automatically.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area		
Statements		
	Yes	No
When configuring an Azure virtual machine, the Azure Enhanced Monitoring features are required to monitor SAP application performance.	<input type="radio"/>	<input type="radio"/>
To successfully start an Azure virtual machine that contains SAP, you must have Azure Enhanced Monitoring installed.	<input type="radio"/>	<input type="radio"/>
If you deploy SAP by using the Azure Resource Manager templates for SAP, Azure Enhanced Monitoring is installed automatically.	<input type="radio"/>	<input type="radio"/>

NEW QUESTION 117

- (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.

Actions

From the Azure portal, create a service principal

From the Cloud Managers tab in LaMa, add an adapter

From SAP Solution Manager, deploy the LaMa adapter

Add permissions to the service principal

Install and configure LaMa on an SAP NetWeaver instance

Answer Area

⬅

➡

⬆

⬆

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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>

**NEW QUESTION 120**  
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