

# Microsoft

## Exam Questions AZ-120

Planning and Administering Microsoft Azure for SAP Workloads



NEW QUESTION 1

- (Exam Topic 1)

You are evaluating which migration method Litware can implement based on the current environment and the business goals. Which migration method will cause the least amount of downtime?

- A. Use the Database migration Option (DMO) to migrate to SAP HANA and Azure During the samemaintenance window.
- B. Use Near-Zero Downtime (NZDT) to migrate to SAP HANA and Azure during the same maintenance window.
- C. Migrate SAP to Azure, and then migrate SAP ECC to SAP Business Suite on HANA.
- D. Migrate SAP ECC to SAP Business Suite on HANA an the migrate SAP to Azure.

Answer: A

Explanation:

The SAP Database Migration Option (DMO) with System Move option of SUM, used as part of the migration allows customer the options to perform the migration in a single step, from source system on-premises, or to the target system residing in Microsoft Azure, minimizing overall downtime.

References:

<https://blogs.sap.com/2017/10/05/your-sap-on-azure-part-2-dmo-with-system-move/>

NEW QUESTION 2

- (Exam Topic 2)

You have an SAP environment on Azure.

You use Azure Recovery Services to back up an SAP application server.

You need to test the restoration process of a file on the server.

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

Download and run the mount disk executable

From Azure Cloud Shell, run the Get-AzBackupItem cmdlet

From Azure Recovery Vault, select File Recovery

Recover the file and unmount the disk

From Azure Cloud Shell, run the Get-AzBackupRecoveryPoint cmdlet

Answer Area

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- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: From Azure Recover Vault, select File Recovery

To restore files or folders from the recovery point, go to the virtual machine and choose the desired recovery point.

Step 2: Download and run the mount disk executable Step 3: recover the file and unmount the disk

File Recovery

v2win2012r2

✓

Step 1: Select recovery point

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Step 2: Download script to browse and recover files

This script will mount the disks from the selected recovery point **as local drives on the machine where it is run**. These drives will remain mounted for 12 hours.

Download Executable \*

Requires password to run

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Step 3: Unmount the disks after recovery

Unmount disks and close the connection to the recovery point.

Unmount Disks

\* Run this script on the machine where you want to copy the files

\* To restore files larger than 10GB, restore entire VM to an alternate location or restore disks using PowerShell

\* Data transfer rate: up to 1GB/Hr

If you have trouble finding your files, [click here](#)

### NEW QUESTION 3

- (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 4**

- (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
SAP HANA certification for M-Series Azure virtual machines requires that Write Accelerator be enabled on the /hana/data volume.	<input type="radio"/>	<input type="radio"/>
SAP HANA certification for M-Series Azure virtual machines requires that Write Accelerator be enabled on the /hana/log volume.	<input type="radio"/>	<input type="radio"/>
To enable Write Accelerator, you must use Azure Premium managed disks.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Box 1: No  
Box 2: Yes  
The minimum SAP HANA certified conditions for the different storage types are:  
Azure Premium SSD - /hana/log is required to be cached with Azure Write Accelerator. The /hana/data volume could be placed on Premium SSD without Azure Write Accelerator or on Ultra disk  
Box 3: Yes References:  
<https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/hana-vm-operations-storage>

**NEW QUESTION 5**

- (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

**Explanation:**

## 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"/>

### NEW QUESTION 6

- (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 7

- (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 8

- (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 9

- (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 load distribution to the application servers. What should you use?

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

**Answer:** D

**Explanation:**  
Load balancers. These are used to distribute traffic to virtual machines in the application-tier subnet. For high availability, use the built-in SAP Web Dispatcher, Azure Load Balancer, or network appliances, depending on the traffic type (such as HTTP or SAPGUI) or the required network services, such as Secure Sockets Layer (SSL) termination.  
Reference:  
<https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/sap/sap-netweaver>

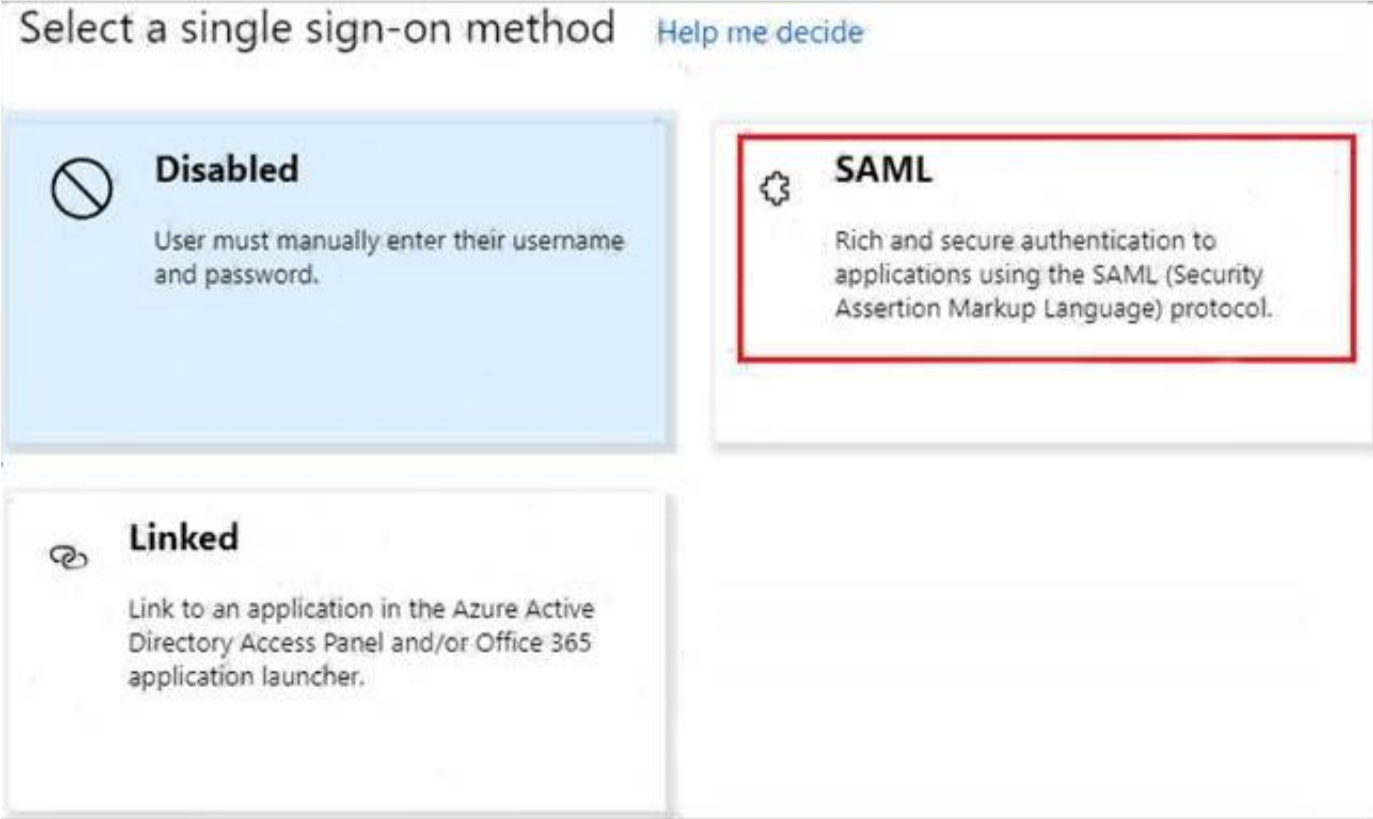
**NEW QUESTION 10**  
- (Exam Topic 2)  
You are integrating SAP HANA and Azure Active Directory (Azure AD).  
For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
NOTE: Each correct selection is worth one point.

Statements	Yes	No
SAP HANA supports SAML authentication for single-sign on (SSO).	<input type="radio"/>	<input type="radio"/>
SAP HANA supports OAuth2 authentication for single-sign on (SSO).	<input type="radio"/>	<input type="radio"/>
You can use Azure role-based access control (RBAC) to provide users with the ability to sign in to SAP HANA.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
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>

**NEW QUESTION 10**

- (Exam Topic 2)

You plan to migrate an SAP environment to Azure.

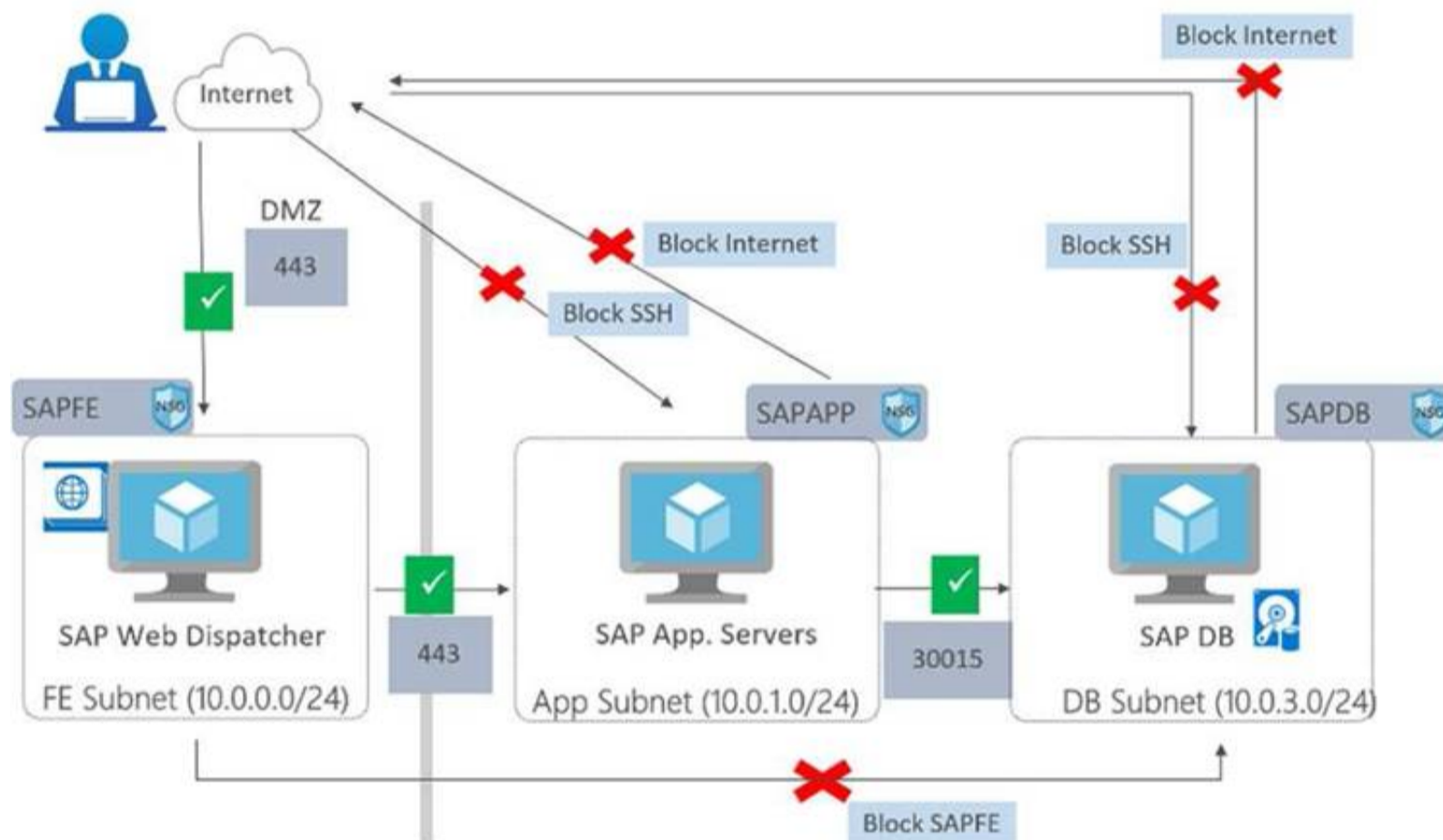
You need to create a design to facilitate end-user access to SAP applications over the Internet, while restricting user access to the virtual machines of the SAP application servers. What should you include in the design?

- 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 14

- (Exam Topic 2)

Your company has a an on-premises SAP environment.

Recently, the company split into two companies named Litware, inc and Contoso.Ltd. Litware retained the SAP environment.

Litware plans to export data that is relevant only to Contoso. The export will be 1.5 TB. Contoso build a new SAP environment on Azure.

You need to recommend a solution for Litware to make the data available to Contoso in Azure. The solution must meet the following requirements: Minimize the impact on the network. Minimize the administrative effort for Litware. What should you include in the recommendation.

- A. Azure Migrate
- B. Azure Databox
- C. Azure Site Recovery
- D. Azure import/Export service

**Answer: C**

#### NEW QUESTION 16

- (Exam Topic 2)

You migrate an SAP environment to Azure.

You need to inspect all the outbound traffic from the SAP application servers to the Internet. Which two Azure resources should you use? Each correct answer presents part of the solution. Network Performance Monitor

- A. Azure Firewall
- B. Azure Traffic Manager
- C. Azure Load Balancer NAT rules
- D. Azure user-defined routes
- E. a web application firewall (WAF) for Azure Application Gateway

**Answer: BE**

#### NEW QUESTION 20

- (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 23

- (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 26

- (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 31

- (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 32

- (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 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 application gallery.

Configure SAML single sign-on (SSO).

**NEW QUESTION 33**

- (Exam Topic 2)

You have an Azure subscription.

You deploy Active Directory domain controllers to Azure virtual machines. You plan to deploy Azure for SAP workloads.

You plan to segregate the domain controllers from the SAP systems by using different virtual networks. You need to recommend a solution to connect the virtual networks. The solution must minimize costs. What should you recommend?

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

**Answer:** C

**Explanation:**

You can create custom, or user-defined, routes in Azure to override Azure's default system routes, or to add additional routes to a subnet's route table. In Azure, you create a route table, then associate the route table to zero or more virtual network subnets.

**NEW QUESTION 38**

- (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

- 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 40

- (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 41

- (Exam Topic 2)

Your company has an SAP environment that contains the following components:

- Linux Enterprise Server 12 (SLES 12)
- Multiple SAP applications

The company plans to migrate all the applications to Azure.

You need to get a comprehensive list of all the applications that are part of the SAP environment. What should you use?

- A. the SAP license information
- B. the SAP Solution Manager
- C. the data volume management report
- D. the network inventory and locations

**Answer: B**

#### Explanation:

The SAP Solution Manager is a centralized robust application management and administration solution used to implement, support, operate and monitor your SAP enterprise solutions, SAP Solution Manager is a platform providing integrated content, tools, methodologies and access to SAP systems.

#### NEW QUESTION 44

- (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 upgrade to SAP NetWeaver 7.4, and then you migrate SAP to Azure by using Azure Site Recovery.

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

#### Explanation:

We need upgrade to SAP NetWeaver 7.4 before the migration. Then Azure Site Recovery is used for the migration to Azure.

Reference:

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

#### NEW QUESTION 49

- (Exam Topic 2)

You plan to deploy an SAP environment on Azure that will use Azure Availability Zones. Which load balancing solution supports the deployment?

- A. Azure Basic Load Balancer
- B. Azure Standard Load Balancer
- C. Azure Application Gateway v1 SKU

**Answer: B**

#### Explanation:

When you deploy Azure VMs across Availability Zones and establish failover solutions within the same Azure region, some restrictions apply:

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

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

**NEW QUESTION 54**

- (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.	<input type="radio"/>	<input type="radio"/>
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.	<input type="radio"/>	<input type="radio"/>
Active Directory Federation Services (AD FS) can be used to enable MFA for on-premises users.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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>

**NEW QUESTION 56**

- (Exam Topic 2)  
You have an on-premises SAP environment hosted on VMware VSphere that uses 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 to size the target Azure environment for the migration.  
What should you use?

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

**Answer:** B

**Explanation:**

Azure Advisor provides recommendations for Application Gateway, App Services, availability sets, Azure Cache, Azure Data Factory, Azure Database for MySQL, Azure Database for PostgreSQL, Azure Database for MariaDB, Azure ExpressRoute, Azure Cosmos DB, Azure public IP addresses, SQL Data Warehouse, SQL servers, storage accounts, Traffic Manager profiles, and virtual machines.  
Note: Advisor is a personalized cloud consultant that helps you follow best practices to optimize your Azure deployments. It analyzes your resource configuration and usage telemetry and then recommends solutions that can help you improve the cost effectiveness, performance, high availability, and security of your Azure resources.  
With Advisor, you can:  
Get proactive, actionable, and personalized best practices recommendations.  
Improve the performance, security, and high availability of your resources, as you identify opportunities to reduce your overall Azure spend.  
Get recommendations with proposed actions inline. Reference:  
<https://docs.microsoft.com/en-us/azure/advisor/advisor-overview>

**NEW QUESTION 61**

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