

➤ **Vendor: Microsoft**

➤ **Exam Code: AZ-120**

➤ **Exam Name: Planning and Administering Microsoft Azure for SAP Workloads**

➤ **New Updated Questions from [Braindump2go](#) (Updated in [May/2020](#))**

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### **QUESTION 1**

#### **Case Study 1 - Litware, Inc**

##### **Overview**

Litware, Inc. is an international manufacturing company that has 3,000 employees.

Litware has two main offices. The offices are located in Miami, FL, and Madrid, Spain.

##### **Existing Environment**

###### **Infrastructure**

Litware currently uses a third-party provider to host a datacenter in Miami and a disaster recovery datacenter in Chicago, IL.

The network contains an Active Directory domain named litware.com. Litware has two third-party applications hosted in Azure.

Litware already implemented a site-to-site VPN connection between the on-premises network and Azure.

###### **SAP Environment**

Litware currently runs the following SAP products:

- Enhancement Pack6 for SAP ERP Central Component 6.0 (SAP ECC 6.0)
- SAP Extended Warehouse Management (SAP EWM)
- SAP Supply Chain Management (SAP SCM)
- SAP NetWeaver Process Integration (PI)
- SAP Business Warehouse (SAP BW)
- SAP Solution Manager

All servers run on the Windows Server platform. All databases use Microsoft SQL Server. Currently, you have 20 production servers.

You have 30 non-production servers including five testing servers, five development servers, five quality assurance (QA) servers, and 15 pre-production servers.

Currently, all SAP applications are in the litware.com domain.

###### **Problem Statements**

The current version of SAP ECC has a transaction that, when run in batches overnight, takes eight hours to complete. You confirm that upgrading to SAP Business Suite on HANA will improve performance because of code changes and the SAP HANA database platform.

Litware is dissatisfied with the performance of its current hosted infrastructure vendor. Litware experienced several hardware failures and the vendor struggled to adequately support its 24/7 business operations.

###### **Requirements**

###### **Business Goals**

Litware identifies the following business goals:

- Increase the performance of SAP ECC applications by moving to SAP HANA. All other SAP databases will remain on SQL Server.
- Move away from the current infrastructure vendor to increase the stability and availability of the SAP services.
- Use the new Environment, Health and Safety (EH&S) in Recipe Management function.
- Ensure that any migration activities can be completed within a 48-hour period during a weekend.

###### **Planned Changes**

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Litware identifies the following planned changes:

- Migrate SAP to Azure.
- Upgrade and migrate SAP ECC to SAP Business Suite on HANA Enhancement Pack 8.

**Technical Requirements**

Litware identifies the following technical requirements:

- Implement automated backups.
- Support load testing during the migration.
- Identify opportunities to reduce costs during the migration.
- Continue to use the litware.com domain for all SAP landscapes.
- Ensure that all SAP applications and databases are highly available.
- Establish an automated monitoring solution to avoid unplanned outages.
- Remove all SAP components from the on-premises network once the migration is complete.
- Minimize the purchase of additional SAP licenses. SAP HANA licenses were already purchased.
- Ensure that SAP can provide technical support for all the SAP landscapes deployed to Azure.

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

**Answer: C**

**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/>

**QUESTION 2****Case Study 1 - Litware, Inc****Overview**

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**Existing Environment****Infrastructure**

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**Problem Statements**

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**Requirements****Business Goals**

Litware identifies the following business goals:

- Increase the performance of SAP ECC applications by moving to SAP HANA. All other SAP databases will remain on SQL Server.
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- Ensure that any migration activities can be completed within a 48-hour period during a weekend.

**Planned Changes**

Litware identifies the following planned changes:

- Migrate SAP to Azure.
- Upgrade and migrate SAP ECC to SAP Business Suite on HANA Enhancement Pack 8.

**Technical Requirements**

Litware identifies the following technical requirements:

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- Remove all SAP components from the on-premises network once the migration is complete.
- Minimize the purchase of additional SAP licenses. SAP HANA licenses were already purchased.
- Ensure that SAP can provide technical support for all the SAP landscapes deployed to Azure.

You are evaluating the migration plan.

Licensing for which SAP product can be affected by changing the size of the virtual machines?

- A. SAP ECC
- B. SAP Solution Manager
- C. PI
- D. SAP SCM

**Answer:** A

**Explanation:**

Scenario: Increase the performance of SAP ECC applications by moving to SAP HANA.

References:

<https://azure.microsoft.com/en-us/pricing/details/virtual-machines/rhel-sap-hana/>

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**Planned Changes**

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- Remove all SAP components from the on-premises network once the migration is complete.
- Minimize the purchase of additional SAP licenses. SAP HANA licenses were already purchased.
- Ensure that SAP can provide technical support for all the SAP landscapes deployed to Azure.

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/>

#### **QUESTION 4**

##### **Case Study 1 - Litware, Inc**

##### **Overview**

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- Minimize the purchase of additional SAP licenses. SAP HANA licenses were already purchased.
- Ensure that SAP can provide technical support for all the SAP landscapes deployed to Azure.

You need to recommend a solution to reduce the cost of the SAP non-production landscapes after the migration. What should you include in the recommendation?

- A. Configure scaling of Azure App Service
- B. Migrate the SQL Server databases to Azure SQL Data Warehouse
- C. Deallocate virtual machines when not in use
- D. Deploy non-production landscapes to Azure DevTest Labs

**Answer: D**

**Explanation:**

Relevant use cases Dev/test environments for SAP workloads on Azure.

Noncritical SAP nonproduction workloads (such as sandbox, development, test, and quality assurance).

Noncritical SAP business workloads.

References:

<https://docs.microsoft.com/en-us/azure/architecture/example-scenario/apps/sap-dev-test>

**QUESTION 5**

**Case Study 1 - Litware, Inc**

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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>

**QUESTION 6****Case Study 1 - Litware, Inc****Overview**

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### Requirements

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#### Hotspot Question

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, all user authentication to the SAP applications must be handled by Azure Active Directory (Azure AD).	<input type="radio"/>	<input type="radio"/>
The migration requires that the on-premises Active Directory domain syncs to Azure Active Directory (Azure AD).	<input type="radio"/>	<input type="radio"/>
After the migration users will be able to authenticate to the SAP applications by using their existing credentials in litware.com.	<input type="radio"/>	<input type="radio"/>

Answer:



**Answer Area**

Statements	Yes	No
After the migration, all user authentication to the SAP applications must be handled by Azure Active Directory (Azure AD).	<input checked="" type="radio"/>	<input type="radio"/>
The migration requires that the on-premises Active Directory domain syncs to Azure Active Directory (Azure AD).	<input checked="" type="radio"/>	<input type="radio"/>
After the migration users will be able to authenticate to the SAP applications by using their existing credentials in litware.com.	<input checked="" type="radio"/>	<input type="radio"/>

**Explanation:**

In a Hybrid-IT scenario, Active Directory from on-premises can be extended to serve as the authentication mechanism through an Azure deployed domain controller (as well as potentially using the integrated DNS).

It is important to distinguish between traditional Active Directory Servers and Microsoft Azure Active Directory that provides only a subset of the traditional on-premises AD offering. This subset include Identity and Access Management, but does not have the full AD schema or services that many 3rd party application take advantage of. While Azure Active Directory IS a requirement to establish authentication for the Azure virtual machines in use, and it can synchronize users with customers' on-premises AD, the two are explicitly different and customers will likely continue to require full Active Directory servers deployed in Microsoft Azure.

**References:**

[https://www.suse.com/media/guide/sap\\_hana\\_on\\_azure\\_101.pdf](https://www.suse.com/media/guide/sap_hana_on_azure_101.pdf)