Vendor: Microsoft

Exam Code: AZ-120

Exam Name: Planning and Administering Microsoft Azure for SAP Workloads

Version: DEMO

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.

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 2 - Contoso, Ltd

Overview
Contoso, Ltd. is a manufacturing company that has 15,000 employees.

The company uses SAP for sales and manufacturing.

Contoso has sales offices in New York and London and manufacturing facilities in Boston and Seattle.

Existing Environment
Active Directory
The network contains an on-premises Active Directory domain named ad.contoso.com. User email addresses use a domain name of contoso.com.

You are planning the Azure network infrastructure to support the disaster recovery requirements.

What is the minimum number of virtual networks required for the SAP deployment?

A. 1

B. 2
C. 3
D. 4

Answer: B
Explanation:
Scenario: Ensure that all the production databases can withstand the failure of an Azure region.
Note: Use Azure Site Recovery to replicate applications across regions. Azure Site Recovery replicates workloads running on physical and virtual machines from a primary site (either on-premises or in Azure) to a secondary location (in Azure). When an outage occurs at the customer's primary site, a failover can be triggered to quickly return the customer to an operational state. After the primary location is restored, customers can then fail back.
References:
https://docs.microsoft.com/en-us/azure/architecture/resiliency/recovery-loss-azure-region

QUESTION 3
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 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 run SAP HANA Quick Sizer.

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

QUESTION 4
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 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 DBA Cockpit from SAP GUI.

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.
References:
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

QUESTION 5
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

QUESTION 6

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

Answer: C
Explanation:
To migrate DB2 databases to SQL Server, you must connect to the DB2 database that you want to migrate. When you connect, SSMA obtains metadata about all DB2 schemas, and then displays it in the DB2 Metadata Explorer pane.
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/adapter-sap/import-sap-data-using-sql-server-management-studio

QUESTION 7
You have an SAP environment that is managed by using VMware vCenter.

You plan to migrate the SAP environment to Azure.

You need to gather information to identify which compute resources are required in Azure.

What should you use to gather the information?

A. Azure Migrate and SAP EarlyWatch Alert reports
B. Azure Site Recovery and SAP Quick Sizer
C. SAP Quick Sizer and SAP HANA system replication
D. Azure Site Recovery Deployment Planner and SAP HANA Cockpit

Answer: A
Explanation:
Azure Migrate is a Microsoft service that helps an enterprise assess how its on-premises workloads will perform, and how much they will cost to host, in the Azure public cloud.
An enterprise can use Azure Migrate to discover information about the VMware VMs running within its own data center, including CPU and memory usage, as well as performance history.
SAP EarlyWatch Alert (EWA) is a monitoring service for SAP customers, to monitor SAP systems in the solution landscape.
Incorrect Answers:
D: SAP HANA Cockpit is an administrative tool with a web interface for a correspondingly named database engine, a part of SAP ERP software. It allows both offline and cloud operations for managing databases, References:
https://searchcloudcomputing.techtarget.com/definition/Azure-Migrate

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