

PAS-C01^{Q&As}

AWS Certified: SAP on AWS - Specialty exam

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QUESTION 1

A company needs to migrate its critical SAP workloads from an on-premises data center to AWS. The company has a few source production databases that are 10 TB or more in size. The company wants to minimize the downtime for this migration.

As part of the proof of concept, the company used a low-speed, high-latency connection between its data center and AWS. During the actual migration, the company wants to maintain a consistent connection that delivers high bandwidth and low latency. The company also wants to add a layer of connectivity resiliency. The backup connectivity does not need to be as fast as the primary connectivity. An SAP solutions architect needs to determine the optimal network configuration for data transfer. The solution must transfer the data with minimum latency.

Which configuration will meet these requirements?

- A. Set up one AWS Direct Connect connection for connectivity between the on-premises data center and AWS. Add an AWS Site-to-Site VPN connection as a backup to the Direct Connect connection.
- B. Set up an AWS Direct Connect gateway with multiple Direct Connect connections that use a link aggregation group (LAG) between the on-premises data center and AWS.
- C. Set up Amazon Elastic File System (Amazon EFS) file system storage between the on-premises data center and AWS. Configure a cron job to copy the data into this EFS mount. Access the data in the EFS file system from the target environment.
- D. Set up two redundant AWS Site-to-Site VPN connections for connectivity between the on-premises data center and AWS.

Correct Answer: A

QUESTION 2

A company is running an SAP on Oracle system on IBM Power architecture in an on-premises data center. The company wants to migrate the SAP system to AWS. The Oracle database is 15 TB in size. The company has set up a 100 Gbps AWS Direct Connect connection to AWS from the on-premises data center.

Which solution should the company use to migrate the SAP system MOST quickly?

- A. Before the migration window, build a new installation of the SAP system on AWS by using SAP Software Provisioning Manager. During the migration window, export a copy of the SAP system and database by using the heterogeneous system copy process and R3load. Copy the output of the SAP system files to AWS through the Direct Connect connection. Import the SAP system to the new SAP installation on AWS. Switch over to the SAP system on AWS.
- B. Before the migration window, build a new installation of the SAP system on AWS by using SAP Software Provisioning Manager. Back up the Oracle database by using native Oracle tools. Copy the backup of the Oracle database to AWS through the Direct Connect connection. Import the Oracle database to the SAP system on AWS. Configure Oracle Data Guard to begin replication. On-premises database log changes from the SAP system to the new AWS system. During the migration window, use Oracle to replicate any remaining changes to the Oracle database hosted on AWS. Switch over to the SAP system on AWS.
- C. Before the migration window, build a new installation of the SAP system on AWS by using SAP Software Provisioning Manager. Create a staging Oracle database on premises to perform Cross Platform Transportable Tablespace (XTTS) conversion on the Oracle database. Take a backup of the converted staging database. Copy the converted backup to AWS through the Direct Connect connection. Import the Oracle database backup to the SAP system on AWS. Take

regularly scheduled incremental backups and XTTs conversions of the staging database Transfer these backups and conversions to the AWS target database During the migration window, perform a final incremental Oracle backup

Convert the final Oracle backup by using XTTs Replay the logs in the target Oracle database hosted on AWS Switch over to the SAP system on AWS

D. Before the migration window launch an appropriately sized Amazon EC2 instance on AWS to receive the migrated SAP database Create an AWS Server Migration Service (AWS SMS) job to take regular snapshots of the on-premises Oracle hosts Use AWS SMS to copy the snapshot as an AMI to AWS through the Direct Connect connection Create a new SAP on Oracle system by using the migrated AMI During the migration window take a final incremental SMS snapshot and copy the snapshot to AWS Restart the SAP system by using the new up-to-date AMI Switch over to the SAP system on AWS

Correct Answer: D

QUESTION 3

A company is running an SAP ERP Central Component (SAP ECC) system on an SAP HANA database that is 10 TB in size The company is receiving notifications about long- running database backups every day The company uses AWS Backup Agent for SAP HANA (AWS Backup agent) on an Amazon EC2 instance to back up the database An SAP NetWeaver administrator needs to troubleshoot the problem and propose a solution

Which solution will help resolve this problem?

- A. Ensure that AWS Backup agent is configured to send the backups to an Amazon S3 bucket over the internet Ensure that the EC2 instance is configured to access the internet through a NAT gateway
- B. Check the UploadChannelSize parameter for AWS Backup agent increase this value in the aws-backup-agent-config.yaml configuration file based on the EC2 instance type and storage configurations
- C. Check the MaximumConcurrentFilesForRestore parameter for AWS Backup agent Increase the parameter from 5 to 10 by using the aws-backup-agent-config.yaml configuration file
- D. Ensure that the backups are compressed if necessary configure AWS Backup agent to compress the backups and send them to an Amazon S3 bucket

Correct Answer: A

QUESTION 4

A global retail company is running its SAP landscape on AWS Recently the company made changes to its SAP Web Dispatcher architecture The company added an additional SAP Web Dispatcher for high availability with an Application Load Balancer (ALB) to balance the load between the two SAP Web Dispatchers

When users try to access SAP through the ALB the system is reachable However the SAP backend system is showing an error message An investigation reveals that the issue is related to SAP session handling and distribution of requests . The company confirmed that the system was working as expected with one SAP Web Dispatcher. The company replicated the configuration of that SAP Web Dispatcher to the new SAP Web Dispatcher

How can the company resolve the error?

- A. Maintain persistence by using session cookies Enable session stickiness (session affinity) on the SAP Web Dispatchers by setting the wdisp/HTTP/esid_support parameter to True

- B. Maintain persistence by using session cookies Enable session stickiness (session affinity) on the ALB
- C. Turn on host-based routing on the ALB to route traffic between the SAP Web Dispatchers
- D. Turn on URL-based routing on the ALB to route traffic to the application based on URL

Correct Answer: C

QUESTION 5

A company that has SAP workloads on premises plans to migrate an SAP environment to AWS. The company is new to AWS and has no prior setup. The company has the following requirements

1.

The application server and database server must be placed in isolated network configurations

2.

SAP systems must be accessible to the on-premises end users over the internet

3.

The cost of communications between the application server and the database server must be minimized Which combination of steps should an SAP solutions architect take to meet these requirements? (Select TWO.)

- A. Configure a Network Load Balancer for incoming connections from end users
- B. Set up an AWS Site-to-Site VPN connection between the company's on-premises network and AWS
- C. Separate the application server and the database server by using different VPCs
- D. Separate the application server and the database server by using different subnets and network security groups within the same VPC
- E. Set up an AWS Direct Connect connection with a private VIF between the company's on-premises network and AWS

Correct Answer: CD

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