PAS-C01^{Q&As}

AWS Certified: SAP on AWS - Specialty exam

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QUESTION 1

A company is hosting an SAP HANA database on AWS. The company is automating operational tasks including backup and system refreshes. The company wants to use SAP HANA Studio to perform data backup of an SAP HANA tenant database to a backint interface. The SAP HANA database is running in multi-tenant database container (MDO mode. The company receives the following error message during an attempt to perform the backup.

```
Could not start backup for system <SID> DBC: [447]: backup could not be completed: [110091] Invalid path selection for data backup
using backint: /usr/sap/<SID>/SYS/global/hdb/backint/COMPLETE_DATA_BACKUP must start with
/usr/sap/<SID>/SYS/global/hdb/backint/DB_<TENANT>.
```

What should an SAP solutions architect do to resolve this issue?

A. Set the execute permission for AWS Backint agent binary aws-backint-agent and for the launcher script aws-backint-agent-launcher sh in the installation directory

B. Verify the installation steps Create symbolic links (symlinks)

C. Ensure that the cataiog_backup_using_backint SAP HANA parameter is set to true Ensure that the data_backup_parameter_file and log_backup_parameter_file parameters have the correct path location in the global ini file

D. Add the SAP HANA system to SAP HANA Studio Select multiple container mode and then try to initiate the backup again

Correct Answer: A

QUESTION 2

A company has an SAP environment that runs on AWS. The company wants to enhance security by restricting Amazon EC2 Instance Metadata Service (IMDS) to IMDSv2 only. The company\'s current configuration option supports both iMDSvi and iM0Sv2. The security enhancement must not create an SAP outage.

What should the company do before it applies the security enhancement on EC2 instances that are running the SAP environment?

A. Ensure that the SAP kernel versions are 7 45 or later

B. Ensure that the EC2 instances are Nitro based

C. Ensure that the AWS Data Provider for SAP is installed on each EC2 instance

D. Stop the EC2 instances

Correct Answer: A

QUESTION 3

A company hosts multiple SAP applications on Amazon EC2 instances in a VPC While monitoring the environment the company notices that multiple port scans are attempting to connect to SAP portals inside the VPC. These port scans are originating from the same IP address block. The company must deny access to the VPC from all the offending IP

addresses for the next 24 hours.

Which solution win meet this requirement?

A. Modify network ACLs that are associated with all public subnets in the VPC to deny access from the IP address block

B. Add a rule in the security group of the EC2 instances to deny access from the IP address block

C. Create a policy in AWS identity and Access Management (1AM) to deny access from the IP address block

D. Configure the firewall m the operating system of the EC2 instances to deny access from the IP address block

Correct Answer: C

QUESTION 4

A company is planning to migrate its on-premises SAP application to AWS. The application runs on VMware vSphere The SAP ERP Central Component (SAP ECC) server runs on an IBM Db2 database that is 2 TB m size The company wants to migrate the database to SAP HANA

Which migration strategy will meet these requirements\'?

A. Use AWS Application Migration Service (CloudEndure Migration)

B. Use SAP Software Update Manager (SUM) Database Migration Option (DMO) with System Move

C. Use AWS Server Migration Service (AWS SMS)

D. Use AWS Database Migration Service (AWS DMS)

Correct Answer: A

QUESTION 5

A company is starting a new project to implement an SAP landscape with multiple accounts that belong to multiple teams in the us-east-2 Region. These teams include procurement finance sales and human resources An SAP solutions architect has started designing this new landscape and the AWS account structures

The company wants to use automation as much as possible The company also wants to secure the environment implement federated access to accounts centralize logging and establish cross-account security audits in addition the company\'s management team needs to receive a top-level summary of policies that are applied to the AWS accounts.

What should the SAP solutions architect do to meet these requirements?

A. Use AWS CloudFormation StackSets to apply SCPs to multiple accounts in multiple Regions. Use an Amazon CloudWatch dashboard to check the applied policies in the accounts

B. Use an AWS Elastic Beanstalk blue green deployment to create 1AM policies and apply them to multiple accounts together Use an Amazon CloudWatch dashboard to check the applied policies in the accounts

C. Implement guardrails by using AWS CodeDeploy and AWS CodePipeline to deploy SCPs into each account Use the CodePipeline deployment dashboard to check the applied policies in the accounts

D. Apply SCPs through AWS Control Tower Use the AWS Control Tower integrated dashboard to check the applied policies in the accounts

Correct Answer: D

QUESTION 6

A company is running an SAP HANA database on AWS The company is running AWS Backint Agent for SAP HANA(AWS Backint agent) on an Amazon EC2 instance AWS Back agent is configured to back up to an Amazon S3 bucket The backups are failing with an AccessDeniod error m the AWS Backint agent log file.

What should an SAP basis administrator do to resolve this error?

A. Assign execute permissions at the operating system level for the AWS Backint agent binary and for AWS Backint agent

B. Assign an 1AM role to an EC2 instance Attach a policy to the IAM role to grant access to the target S3 bucket

C. Assign the correct Region ID for the S3BucketAwsRegion parameter in AWS Backint agent for the SAP HANA configuration file

D. Assign the value for the Enable Tagging parameter in AWS Backint agent for the SAP HANA configuration file

Correct Answer: D

QUESTION 7

A company wants to migrate its SAP workloads to AWS from another cloud provider. The company\\'s landscape consists of SAP S 4HANA SAP BWMHANA SAP Solution Manager and SAP Web Dispatcher SAP Solution Manager 15 running on SAP NANA

The company wants 10 change the operating system from SUSE Linux Enterprise Server to Red Hat Enterprise Linux as a pan of this migration. The company needs a solution that results in the least possible downtime for the SAP SMHANA and SAP BW 4HANA systems.

Which migration solution will meet these requirements?

A. Use SAP Software Provisioning Manager to perform a system export/import for SAP S/4HANA SAP BW.4HANA SAP Solution Manager and SAP Web Dispatcher

B. Use backup and restore tor SAP S\\'4HANA. SAP BW4HANA and SAP Solution Manager Reinstall SAP Web Dispatcher on AWS with the necessary configuration

C. Use backup and restore for SAP S\\'4 HAN A and SAP BW 4HANA Use SAP Software Provisioning Manager to perform a system export import for SAP Solution Manager Reinstall SAP Web Dispatcher on AWS with the necessary configuration.

D. Use SAP HANA system replication to replicate the data between the source system and the target AWS system for SAP S 4HANA and SAP BW 4HANA Use SAP Software Provisioning Manager to perform a system export import for SAP Solution Manager Reinstall SAP Web Dispatcher on AWS with the necessary configuration

Correct Answer: D

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QUESTION 8

A global enterprise is running SAP ERP Central Component (SAP ECC) workloads on Oracle in an on-premises environment. The enterprise plans to migrate to SAP S 4HANA on AWS. The enterprise recently acquired two other companies One of the acquired companies is running SAP ECC on Oracle as its ERP system The other acquired company is running an ERP system that is not from SAP The enterprise wants to consolidate the three ERP systems into one ERP system on SAP S 4HANA on AWS Not all the data from the acquired companies needs to be migrated to the final ERP system The enterprise needs to complete this migration with a solution that minimizes cost and maximizes operational efficiency.

Which solution will meet these requirements?

A. Perform a lift-and-shift migration of all the systems to AWS Migrate the ERP system that is not from SAP to SAP ECC Convert all three systems to SAP S/4HANA by using SAP Software Update Manager (SUM) Database Migration Option (DMO) Consolidate all three SAP S4HANA systems into a final SAP and4HANAsystem Decommission the other systems

B. Perform a lift-and-shift migration of an the systems to AWS Migrate the enterprise\\'s initial system to SAP HANA, and then perform a conversion to SAP S/4HANA Consolidate the two systems from the acquired companies with this SAP S4HANA system by using the Selective Data Transition approach with SAP Data Management and Landscape Transformation (DMLT)

C. Use SAP Software Update Manager (SUM) Database Migration Option (DMO) with System Move to re-architect the enterprise initial system to SAP S\\'4HANA and to change the platform to AWS Consolidate the two systems from the acquired companies with this SAP S 4HANA system by using the Selective Data Transition approach with SAP Data Management and Landscape Transformation (DMLT)

D. Use SAP Software Update Manager (SUM) Database Migration Option (DMO) with System Move to re-architect all the systems to SAP S/4HANA and to change the platform to AWS Consolidate all three SAP S-4HANA systems two a final SAP S/4HANA system Decommission the other systems

Correct Answer: A

QUESTION 9

A company needs to implement high availability for its SAP S 4HANA system on AWS The company will use a SUSE Linux Enterprise Server clustering solution in private subnets across two Availability Zones An SAP solutions architect must ensure that the solution can route traffic to the active SAP instance m this clustered configuration.

What should the SAP solutions architect do to meet these requirements?

A. Implement the SAP cluster solution by using a secondary private IP address Reassign the secondary private IP address from one network interface to another network interface in the event of any failure that affects the primary instance.

B. Implement the SAP cluster solution by using an Elastic IP address Mask the failure of an instance or software by rapidly remapping the address to another instance in the account

C. Implement the SAP duster solution by using a public IP address Use this public IP address for communication between the instances and the internet

D. implement the SAP duster solution by using an overlay IP address that is outside the CIDR block of the VPC Use overlay IP address routing to dynamically update the route table to point to the active node and provide external access by using a Network Load Balancer or AWS Transit Gateway.

Correct Answer: D

QUESTION 10

A company plans to migrate its SAP NetWeaver deployment to AWS. The deployment runs on a Microsoft SQL Server database. The company plans to change the source database from SQL Server to SAP HANA as part of this process.

Which migration tools or methods should an SAP solutions architect use to meet these requirements\\'\\' (Select TWO.)

A. SAP HANA classical migration

B. SAP HANA system replication

C. SAP Software Update Manager (SUM) Database Migration Option (DMO) with System Move

D. SAP HANA backup and restore

E. SAP homogeneous system copy

Correct Answer: CD

QUESTION 11

A company is migrating its SAP workloads to AWS The company\\'s IT team installs a highly available SAP S.4HANA system that uses the SAP HANA system replication cluster package on SUSE Linux Enterprise Server The IT team deploys the system by using cluster nodes m different Availability Zones within the same AWS Region.

After the initial launch of the SAP application the application is accessible However after failover the IT team cannot access the application even though the system is up and running on the secondary node After investigation an SAP solutions architect discovers that the virtual IP address has not been used correctly

Which combination of steps should the SAP solutions architect take to resolve this problem? (Select TWO.)

A. Use an overlay IP address as a secondary IP address with the primary node of the cluster

B. Choose an overlay IP address within the VPC CiDR block that corresponds with the secondary node of the cluster

C. Use an overlay IP address as a virtual IP address

D. Choose an overlay IP address within the VPC CIDR block that corresponds with the primary node of the cluster

E. Choose an overlay IP address outside the VPC CiDR block that hosts the application and the database

Correct Answer: AD

QUESTION 12

Business users are reporting timeouts during periods of peak query activity on an enterprise SAP HANAdata mart An SAP system administrator has discovered that at peak volume the CPU utilization increases rapidly to 100% for extended periods on the x1.32xlarge Amazon EC2 instance where the database is installed However the SAP HANA database is occupying only 1 120 GiB of the available 1 952 GiB on the instance 10 wart times are not increasing Extensive query tuning and system tuning have not resolved this performance problem

Which solutions should the SAP system administrator use to improve the performance? (Select TWO.)

A. Reduce the global_allocation_limit parameter to i 120 GiB

B. Migrate the SAP HANA database to an EC2 High Memory instance with a larger number of available vCPUs

C. Move to a scale-out architecture for SAP HANA with at least three x1 16xlarge instances

D. Modify the Amazon Elastic Block Store (Amazon EBS) volume type from General Purpose to Provisioned IOPS for ail SAP HANA data volumes

E. Change to a supported compute optimized instance type for SAP HANA

Correct Answer: DE

QUESTION 13

An SAP basis architect is configuring high availability for a critical SAP system on AWS. The SAP basis architect is using an overlay IP address to route traffic to the subnets across multiple Availability Zones within an AWS Region for the system\\'s SAP HANA database.

What should the SAP basis architect do to route the traffic to the Amazon EC2 instance of the active SAP HANA database?

A. Edit the route in the route table of the VPC that includes the EC2 instance that runs SAP HANA Specify the overlay IP address as the destination Specify the private IP address of the EC2 instance as the target

B. Edit the inbound and outbound rules in the security group of the EC2 instance that runs SAP HANA Allow traffic for SAP HANA specific ports from the overlay IP address

C. Edit the network ACL of the subnet that includes the EC2 instance that runs SAP HANA Allow traffic for SAP HANA specific ports from the overlay IP address

D. Edit the route in the route table of the VPC that includes the EC2 instance that runs SAP HANA Specify the overlay IP address as the destination Specify the elastic network interface of the EC2 instance as the target

Correct Answer: D

QUESTION 14

A company is using a multi-account strategy for SAP HANA and SAP BW 4HANA instances across development QA and production systems m the same AWS Region Each system is hosted m its own VPC The company needs to establish cross-VPC communication between the SAP systems.

The company might add more SAP systems m the future. The company must create connectivity across the SAP

systems and hundreds of AWS accounts. The solution must maximize scalability and reliability.

Which solution will meet these requirements?

A. Create an AWS Transit Gateway in a central networking account Attach the transit gateway to the AWS accounts Set up routing and a network ACL to establish communication

B. Set up VPC peering between the accounts Configure routing in each VPC to use the VPC peering links

C. Create a transit VPC that uses the hub-and-spoke model set up routing to use the transit VPC for communication between the SAP systems

D. Create a VPC link for each SAP system Use the VPC links to connect the SAP systems

Correct Answer: A

QUESTION 15

A company is running its SAP workload on AWS The company\\'s security team has implemented the following requirements

1.

All Amazon EC2 instances for SAP must be SAP certified instance types

2.

Encryption must be enabled for all Amazon S3 buckets and Amazon Elastic Block Store (Amazon EBS) volumes

3.

AWS CloudTrail must be activated

4.

SAP system parameters must be compliant with business rules

5.

Detailed monitoring must be enabled for all instances

The company wants to develop an automated process to review the systems for compliance with the security team\\'s requirements. The process also must provide notification about any deviation from these standards

Which solution will meet these requirements\\'\\'

A. Use AWS AppConfig to model configuration data in an AWS Systems Manager Automation runbook Schedule this Systems Manager Automation runbook to monitor for compliance with all the requirements integrate AWS AppConfig with Amazon CloudWatch for notification purposes

B. Use AWS Config managed rules to monitor for compliance with all the requirements Use Amazon EventBridge (Amazon CloudWatch Events) and Amazon Simple Notification Service (Amazon SNS) for email notification when a resource is flagged as noncompliant

C. Use AWS Trusted Advisor to monitor for compliance with all the requirements Use Trusted Advisor preferences for

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email notification when a resource is flagged as noncompliant

D. Use AWS Config managed rules to monitor for compliance with the requirements except for the SAP system parameters Create AWS Config custom rules to validate the SAP system parameters Use Amazon EventBridge (Amazon CloudWatch Events) and Amazon Simple Notification Sen/ice (Amazon SNS) for email notification when a resource is flagged as noncompliant

Correct Answer: D

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