

PAS-C01^{Q&As}

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QUESTION 1

A company is running SAP ERP Central Component (SAP ECC) with a Microsoft SQL Server database on AWS. A solutions architect must attach an additional 1 TB Amazon Elastic Block Store (Amazon EBS) volume. The company needs to write the SQL Server database backups to this EBS volume before moving the database backups to Amazon S3 for long-term storage.

Which EBS volume type will meet these requirements MOST cost-effectively?

- A. Throughput Optimized HDD (st1)
- B. Provisioned IOPS SSD (io3)
- C. General Purpose SSD (gp3)
- D. Cold HDD (sc1)

Correct Answer: B

QUESTION 2

A company has deployed its SAP applications into multiple Availability Zones in the same AWS Region. To accommodate storage of media files, database table export and import, and files dropped by third-party tools, the company has mounted Amazon Elastic File System (Amazon EFS) file systems between the SAP instances. The company needs to retrieve the files quickly for installations, updates, and system refreshes.

Over time, the EFS file systems have grown exponentially to multiple terabytes. An SAP solutions architect must optimize storage cost for the files that are stored in Amazon EFS.

Which solution will meet this requirement with the LEAST administrative overhead?

- A. Scan the files manually to identify unnecessary files. Delete the unnecessary files.
- B. Move the files to Amazon S3 Glacier Deep Archive.
- C. Apply a lifecycle policy on the files in Amazon EFS to move the files to EFS Standard- Infrequent Access (Standard-IA).
- D. Move the files to Amazon S3 Glacier. Apply an S3 Glacier vault lock policy to the files.

Correct Answer: C

QUESTION 3

A company is hosting its SAP workloads on AWS. An SAP solutions architect is designing high availability architecture for the company's production SAP S/4HANA and SAP BW- 4HANA workloads.

These workloads have the following requirements.

- 1.

Redundant SAP application servers that consist of a primary application server (PAS) and an additional application server (AAS)

2.

ASCS and ERS instances that use a failover cluster

3.

Database high availability with a primary DB Instance and a secondary OB instance

How should the SAP solutions architect design the architecture to meet these requirements?

A. Deploy ASCS and ERS cluster nodes in different subnets within the same Availability Zone Deploy the PAS instance and AAS instance in different subnets within the same Availability Zone Deploy the primary DB instance and secondary DB instance in different subnets within the same Availability Zone Deploy all the components in the same VPC

B. Deploy ASCS and ERS cluster nodes in different subnets within the same Availability Zone Deploy the PAS instance and AAS instance in different subnets within the same Availability Zone Deploy the primary DB instance and secondary DB instance in different subnets within the same Availability Zone Deploy the ASCS instance PAS instance and primary DB instance in one VPC Deploy the ERS instance AAS instance and secondary DB instance in a different VPC

C. Deploy ASCS and ERS cluster nodes in different subnets across two Availability Zones Deploy the PAS instance and AAS instance in different subnets across two Availability Zones Deploy the primary DB instance and secondary DB instance in different subnets across two Availability Zones Deploy all the components in the same VPC

D. Deploy ASCS and ERS cluster nodes in different subnets across two Availability Zones Deploy the PAS instance and AAS instance in different subnets across two Availability Zones Deploy the primary DB instance and secondary DB instance in different subnets across two Availability Zones Deploy the ASCS instance PAS instance and primary DB instance in one VPC Deploy the ERS instance AAS instance and secondary DB instance in a different VPC

Correct Answer: B

QUESTION 4

A company has deployed SAP workloads on AWS The AWS Data Provider for SAP is installed on the Amazon EC2 instance where the SAP application is running An SAP solutions architect has attached an IAM role to the EC2 instance with the following policy.

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "AWSDataProvider1",
      "Effect": "Allow",
      "Action": [
        "EC2:DescribeInstances",
        "EC2:DescribeVolumes"
      ],
      "Resource": "*"
    },
    {
      "Sid": "AWSDataProvider2",
      "Effect": "Allow",
      "Action": "s3:GetObject",
      "Resource": [
        "arn:aws:s3:::aws-sap-data-provider/config.properties"
      ]
    }
  ]
}
```

The AWS Data Provider for SAP is not returning any metrics to the SAP application. Which change should the SAP solutions architect make to the 1AM permissions to resolve this issued.

- A. Add the cloudwatch ListMetrics action to the policy statement with Sid AWSDataProvider1.
- B. Add the cloudwatch GetMetricStatrstics action to the policy statement with Sid AWSDataProvider1
- C. Add the cloudwatch GetMetricStream action (o the policy statement with Sid AWSDataProvider
- D. Add the cloudwatch DescribeAlarmsForMetric action to the policy statement with Sid AWSDataProvider

Correct Answer: A

QUESTION 5

A data analysis company has two SAP landscapes that consist of sandbox development QA, pre-production and production servers. One landscape is on Windows and the other landscape is on Red Hat Enterprise Linux. The servers reside in a room m a building that other tenants share.

An SAP solutions architect proposes to migrate the SAP applications to AWS The SAP solutions architect wants to move the production backups to AWS and wants to make the backups highly available to restore >n case of unavailability of an on-premises server.

Which solution will meet these requirements MOST cost-effectively?

- A. Take a backup of the production servers Implement an AWS Storage Gateway Volume Gateway Create file shares by using the Storage Gateway Volume Gateway Copy the backup files to the file shares through NFS and 9MB.
- B. Take a backup of the production servers Send those backups to tape drives implement an AWS Storage Gateway Tape Gateway Send the backups to Amazon S3 Standard- Infrequent Access (S3 Standard-IA) through the S3 console Move the backups immediately to S3 Glacier Deep Archive
- C. Implement a third-party tool to take images of the SAP application servers and database server Take regular snapshots at 1-hour intervals send the snapshots to Amazon S3 Glacier directly through the S3 Glacier console Store the same images in different S3 buckets in different AWS Regions
- D. Take a backup of the production servers Implement an Amazon S3 File Gateway Create file shares by using the S3 File Gateway Copy the backup files to the file shares through NFS and SMB Map backup files directly to Amazon S3 Configure an S3 Lifecycle policy to send the backup files to S3 Glacier based on the company's data retention policy

Correct Answer: C

QUESTION 6

A company is planning to move all its SAP applications to Amazon EC2 instances in a VPC Recently the company signed a multiyear contract with a payroll software-as-a-service (SaaS) provider integration with the payroll SaaS solution is available only through public web APIs.

Corporate security guidelines state that all outbound traffic must be validated against an allow list. The payroll SaaS provider provides only fully qualified domain name (FQDN) addresses and no IP addresses or IP address ranges Currently, an on-premises firewall appliance filters FQDNs. The company needs to connect an SAP Process Orchestration (SAP PO) system to the payroll SaaS provider.

What must the company do on AWS to meet these requirements?

- A. Add an outbound rule to the security group of the SAP PO system to allow the FQDN of the payroll SaaS provider and deny all other outbound traffic
- B. Add an outbound rule to the network ACL of the subnet that contains the SAP PO system to allow the FQDN of the payroll SaaS provider and deny all other outbound traffic
- C. Add an AWS WAF web ACL to the VPC Add an outbound rule to allow the SAP PO system to connect to the FQDN of the payroll SaaS provider
- D. Add an AWS Network Firewall firewall to the VPC Add an outbound rule to allow the SAP PO system to connect to the FQDN of the payroll SaaS provider

Correct Answer: D

QUESTION 7

A company's basis administrator is planning to deploy SAP on AWS on Linux. The basis administrator must set up the proper storage to store SAP HANA data and log volumes. Which storage options should the basis administrator choose to meet these requirements? (Select TWO.)

- A. Amazon Elastic Block Store (Amazon EBS) Throughput Optimized HDD (st1)
- B. Amazon Elastic Block Store (Amazon EBS) Provisioned IOPS SSD (io1, k>2)

C. Amazon S3

D. Amazon Elastic File System (Amazon EFS)

E. Amazon Elastic Block Store (Amazon EBS) General Purpose SSD (gp2 gp3)

Correct Answer: CD

QUESTION 8

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 9

A company is running an SAP HANA database on AWS. The company wants to manage historical infrequently accessed warm data for a native SAP HANA use case. An SAP solutions architect needs to recommend a solution that can provide online data storage in an extended store available for queries and updates. The solution must be an integrated component of the SAP HANA database and must allow the storage of up to five times more data in the warm tier than in the hot tier.

Which solution will meet these requirements?

A. Use Amazon Data Lifecycle Manager (Amazon DLM) with SAP Data Hub to move data in and out of the SAP HANA database to Amazon S3.

B. Use an SAP HANA extension node.

C. Use SAP HANA dynamic tiering as an optional add-on to the SAP HANA database.

D. Use Amazon Data Lifecycle Manager (Amazon DLM) with SAP HANA spark controller so that SAP HANA can access the data through the Spark SQL SDA adapter.

Correct Answer: A

QUESTION 10

An SAP solutions architect is designing an SAP HANA scale-out architecture for SAP Business Warehouse (SAP BW) on SAP HANA on AWS. The SAP solutions architect identifies the design as a three-node scale out deployment of x1e 32xlarge Amazon EC2 instances

The SAP solutions architect must ensure that the SAP HANA scale-out nodes can achieve the low-latency and high-throughput network performance that are necessary for node-to- node communication

Which combination of steps should the SAP solutions architect take to meet these requirements? (Select TWO.)

- A. Create a cluster placement group Launch the instances into the cluster placement group
- B. Create a spread placement group Launch the instances into the spread placement group
- C. Create a partition placement group Launch the instances into the partition placement group
- D. Based on the operating system version verify that enhanced networking is enabled on all the nodes
- E. Switch to a different instance family that provides network throughput that is greater than 25 Gbps

Correct Answer: CE

QUESTION 11

A company is running its SAP workloads on premises and needs to migrate the workloads to AWS All the workloads are running on SUSE Linux Enterprise Server and Oracle Database. The company's landscape consists of SAP ERP Central Component (SAP ECC), SAP Business Warehouse (SAP BW), and SAP NetWeaver systems. The company has a dedicated AWS Direct Connect connection between its on-premises environment and AWS The company needs to migrate the systems to AWS with the least possible downtime

Which migration solution will meet these requirements?

- A. Use SAP Software Provisioning Manager to perform an export of the systems Copy the export to Amazon S3 Use SAP Software Provisioning Manager to perform an import of the systems to SUSE Linux Enterprise Server and Oracle Database on AWS
- B. Use SAP Software Provisioning Manager to perform parallel export import of the systems to migrate the systems to SUSE Linux Enterprise Server and Oracle Database on AWS
- C. Use SAP Software Provisioning Manager to perform parallel export/import of the systems to migrate the systems to Oracle Enterprise Linux and Oracle Database on AWS
- D. Use SAP Software Provisioning Manager to perform an export of the systems Copy the export to Amazon S3 Use SAP Software Provisioning Manager to perform an import of the systems to Oracle Enterprise Linux and Oracle Database on AWS.

Correct Answer: C

QUESTION 12

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 catalog_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 13

An SAP specialist is budding an SAP environment The SAP environment contains Amazon EC2 instances that fun in a private subnet in a VPC. The VPC includes a NAT gateway.

The SAP specialist is selling up IBM Db2 high availability disaster recovery for the SAP duster. After configuration of overlay IP address routing traffic is not routing to the database EC2 instances.

What should the SAP specialist do to resolve this issue?

- A. Open a security group tor SAP ports

Correct Answer: B

QUESTION 14

A company is planning to migrate its on-premises SAP ERP Central Component (SAP ECC) system on SAP HANA to AWS Each month the system experiences two peaks in usage. The first peak is on the 21st day of the month when the company runs payroll. The second peak is on the last day of the month when the company processes and exports credit data Both peak workloads are of high importance and cannot be rescheduled

The current SAP ECC system has six application servers an of a similar size. During normal operation outside of peak usage four application servers would suffice

Which purchasing option will meet the company\\'s requirements MOST cost-effectively on AWS?

- A. Four Reserved Instances and two Spot Instances

- B. Six On-Demand Instances
- C. Six Reserved Instances
- D. Four Reserved Instances and two On-Demand Instances

Correct Answer: C

QUESTION 15

Business users are reporting timeouts during periods of peak query activity on an enterprise SAP HANA data 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 wait 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 1,120 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 x1.6xlarge instances
- D. Modify the Amazon Elastic Block Store (Amazon EBS) volume type from General Purpose to Provisioned IOPS for all SAP HANA data volumes
- E. Change to a supported compute optimized instance type for SAP HANA

Correct Answer: DE

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