



SAP-C01^{Q&As}

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QUESTION 1

Which of the following AWS services can be used to define alarms to trigger on a certain activity, such as activity success, failure, or delay in AWS Data Pipeline?

- A. Amazon SES
- B. Amazon CodeDeploy
- C. Amazon SNS
- D. Amazon SQS

Correct Answer: C

In AWS Data Pipeline, you can define Amazon SNS alarms to trigger on activities such as success, failure, or delay by creating an alarm object and referencing it in the onFail, onSuccess, or onLate slots of the activity object.

Reference: <https://aws.amazon.com/datapipeline/faqs/>

QUESTION 2

A user has configured EBS volume with PIOPS. The user is not experiencing the optimal throughput.

Which of the following could not be factor affecting I/O performance of that EBS volume?

- A. EBS bandwidth of dedicated instance exceeding the PIOPS
- B. EBS volume size
- C. EC2 bandwidth
- D. Instance type is not EBS optimized

Correct Answer: B

If the user is not experiencing the expected IOPS or throughput that is provisioned, ensure that the EC2 bandwidth is not the limiting factor, the instance is EBS-optimized (or include 10 Gigabit network connectivity) and the instance type EBS dedicated bandwidth exceeds the IOPS more than he has provisioned.

Reference: <http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-io-characteristics.html>

QUESTION 3

A company has an environment that has a single AWS account. A solutions architect is reviewing the environment to recommend what the company could improve specifically in terms of access to the AWS Management Console. The company's IT support workers currently access the console for administrative tasks, authenticating with named IAM users that have been mapped to their job role.

The IT support workers no longer want to maintain both their Active Directory and IAM user accounts. They want to be able to access the console by using their existing Active Directory credentials. The solutions architect is using AWS



Single Sign-On (AWS SSO) to implement this functionality.

Which solution will meet these requirements MOST cost-effectively?

- A. Create an organization in AWS Organizations. Turn on the AWS SSO feature in Organizations Create and configure a directory in AWS Directory Service for Microsoft Active Directory (AWS Managed Microsoft AD) with a two-way trust to the company's on-premises Active Directory. Configure AWS SSO and set the AWS Managed Microsoft AD directory as the identity source. Create permission sets and map them to the existing groups within the AWS Managed Microsoft AD directory.
- B. Create an organization in AWS Organizations. Turn on the AWS SSO feature in Organizations Create and configure an AD Connector to connect to the company's on-premises Active Directory. Configure AWS SSO and select the AD Connector as the identity source. Create permission sets and map them to the existing groups within the company's Active Directory.
- C. Create an organization in AWS Organizations. Turn on all features for the organization. Create and configure a directory in AWS Directory Service for Microsoft Active Directory (AWS Managed Microsoft AD) with a two-way trust to the company's on-premises Active Directory. Configure AWS SSO and select the AWS Managed Microsoft AD directory as the identity source. Create permission sets and map them to the existing groups within the AWS Managed Microsoft AD directory.
- D. Create an organization in AWS Organizations. Turn on all features for the organization. Create and configure an AD Connector to connect to the company's on-premises Active Directory. Configure AWS SSO and select the AD Connector as the identity source. Create permission sets and map them to the existing groups within the company's Active Directory.

Correct Answer: D

Reference: <https://aws.amazon.com/single-sign-on/faqs/>

QUESTION 4

A company runs a Windows Server host in a public subnet that is configured to allow a team of administrators to connect over RDP to troubleshoot issues with hosts in a private subnet. The host must be available at all times outside of a scheduled maintenance window, and needs to receive the latest operating system updates within 3 days of release.

What should be done to manage the host with the LEAST amount of administrative effort?

- A. Run the host in a single-instance AWS Elastic Beanstalk environment. Configure the environment with a custom AMI to use a hardened machine image from AWS Marketplace. Apply system updates with AWS Systems Manager Patch Manager.
- B. Run the host on AWS WorkSpaces. Use Amazon WorkSpaces Application Manager (WAM) to harden the host. Configure Windows automatic updates to occur every 3 days.
- C. Run the host in an Auto Scaling group with a minimum and maximum instance count of 1. Use a hardened machine image from AWS Marketplace. Apply system updates with AWS Systems Manager Patch Manager.
- D. Run the host in AWS OpsWorks Stacks. Use a Chef recipe to harden the AMI during instance launch. Use an AWS Lambda scheduled event to run the Upgrade Operating System stack command to apply system updates.

Correct Answer: B

Reference: <https://docs.aws.amazon.com/workspaces/latest/adminguide/workspace-maintenance.html>

**QUESTION 5**

A large company has increased its utilization of AWS over time in an unmanaged way. As such, they have a large number of independent AWS accounts across different business units, projects, and environments. The company has created a Cloud Center of Excellence team, which is responsible for managing all aspects of the AWS Cloud, including their AWS accounts.

Which of the following should the Cloud Center of Excellence team do to BEST address their requirements in a centralized way? (Choose two.)

- A. Control all AWS account root user credentials. Assign AWS IAM users in the account of each user who needs to access AWS resources. Follow the policy of least privilege in assigning permissions to each user.
- B. Tag all AWS resources with details about the business unit, project, and environment. Send all AWS Cost and Usage reports to a central Amazon S3 bucket, and use tools such as Amazon Athena and Amazon QuickSight to collect billing details by business unit.
- C. Use the AWS Marketplace to choose and deploy a Cost Management tool. Tag all AWS resources with details about the business unit, project, and environment. Send all AWS Cost and Usage reports for the AWS accounts to this tool for analysis.
- D. Set up AWS Organizations. Enable consolidated billing, and link all existing AWS accounts to a master billing account. Tag all AWS resources with details about the business unit, project and environment. Analyze Cost and Usage reports using tools such as Amazon Athena and Amazon QuickSight, to collect billing details by business unit.
- E. Using a master AWS account, create IAM users within the master account. Define IAM roles in the other AWS accounts, which cover each of the required functions in the account. Follow the policy of least privilege in assigning permissions to each role, then enable the IAM users to assume the roles that they need to use.

Correct Answer: AD

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