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QUESTION 1

A company is running an application in the AWS Cloud. The company\\'s security team must approve the creation of all new IAM users. When a new IAM user is created, all access for the user must be removed automatically. The security team must then receive a notification to approve the user. The company has a multi-Region AWS CloudTrail trail In the AWS account.

Which combination of steps will meet these requirements? (Select THREE.)

A. Create an Amazon EventBridge (Amazon CloudWatch Events) rule. Define a pattern with the detail-type value set to AWS API Call via CloudTrail and an eventName of CreateUser.

B. Configure CloudTrail to send a notification for the CreateUser event to an Amazon Simple Notification Service (Amazon SNS) topic.

C. Invoke a container that runs in Amazon Elastic Container Service (Amazon ECS) with AWS Fargate technology to remove access

D. Invoke an AWS Step Functions state machine to remove access.

E. Use Amazon Simple Notification Service (Amazon SNS) to notify the security team.

F. Use Amazon Pinpoint to notify the security team.

Correct Answer: ADE

https://docs.aws.amazon.com/prescriptive-guidance/latest/patterns/send-a-notification-when-an-iam-user-is-created.html

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QUESTION 2

A company needs to establish a connection from its on-premises data center to AWS. The company needs to connect all of its VPCs that are located in different AWS Regions with transitive routing capabilities between VPC networks. The company also must reduce network outbound traffic costs, increase bandwidth throughput, and provide a consistent network experience for end users.

Which solution will meet these requirements?

A. Create an AWS Site-to-Site VPN connection between the on-premises data center and a new central VPC. Create VPC peering connections that initiate from the central VPC to all other VPCs.

B. Create an AWS Direct Connect connection between the on-premises data center and AWS. Provision a transit VIF, and connect it to a Direct Connect gateway. Connect the Direct Connect gateway to all the other VPCs by using a transit gateway in each Region.

C. Create an AWS Site-to-Site VPN connection between the on-premises data center and a new central VPC. Use a transit gateway with dynamic routing. Connect the transit gateway to all other VPCs.

D. Create an AWS Direct Connect connection between the on-premises data center and AWS Establish an AWS Site-to-Site VPN connection between all VPCs in each Region. Create VPC peering connections that initiate from the central VPC to all other VPCs.

Correct Answer: B

Transit GW + Direct Connect GW + Transit VIF + enabled SiteLink if two different DX locations
https://aws.amazon.com/blogs/networking-and-content-delivery/introducing-aws-direct-connect-sitelink/

QUESTION 3

A company is running an application in the AWS Cloud. The application runs on containers in an Amazon Elastic Container Service (Amazon ECS) cluster. The ECS tasks use the Fargate launch type. The application\'s data is relational and is stored in Amazon Aurora MySQL.

To meet regulatory requirements, the application must be able to recover to a separate AWS Region in the event of an application failure. In case of a failure, no data can be lost.

Which solution will meet these requirements with the LEAST amount of operational overhead?

A. Provision an Aurora Replica in a different Region.

B. Set up AWS DataSync for continuous replication of the data to a different Region.

C. Set up AWS Database Migration Service (AWS DMS) to perform a continuous replication of the data to a different Region.

D. Use Amazon Data Lifecycle Manager {Amazon DLM) to schedule a snapshot every 5 minutes.

Correct Answer: A

Provision an Aurora Replica in a different Region will meet the requirement of the application being able to recover to a separate AWS Region in the event of an application failure, and no data can be lost, with the least amount of operational overhead.

QUESTION 4

A company\'s CI SO has asked a solutions architect to re-engineer the company\'s current CI/CD practices to make sure patch deployments to its application can happen as quickly as possible with minimal downtime if vulnerabilities are discovered The company must also be able to quickly roll back a change in case of errors.

The web application is deployed in a fleet of Amazon EC2 instances behind an Application Load Balancer The company is currently using GitHub to host the application source code. and has configured an AWS CodeBuild project to build the application The company also intends to use AWS CodePipeline to trigger builds from GitHub commits using the existing CodeBuild project.

What CI/CD configuration meets all of the requirements?

A. Configure CodePipeline with a deploy stage using AWS CodeDeploy configured for in- place deployment Monitor the newly deployed code, and, if there are any issues, push another code update

B. Configure CodePipeline with a deploy stage using AWS CodeDeploy configured for blue/green deployments Monitor the newly deployed code and if there are any issues, trigger a manual rollback using CodeDeploy

C. Configure CodePipeline with a deploy stage using AWS CloudFormation to create a pipeline for test and production stacks Monitor the newly deployed code, and, if there are any issues, push another code update

D. Configure the CodePipeline with a deploy stage using AWS OpsWorks and m-place deployments Monitor the newly deployed code and. if there are any issues, push another code update

Correct Answer: B

QUESTION 5

A company consists of two separate business units. Each business unit has its own AWS account within a single organization in AWS Organizations. The business units regularly share sensitive documents with each other. To facilitate sharing, the company created an Amazon S3 bucket in each account and configured two-way replication between the S3 buckets. The S3 buckets have millions of objects.

Recently, a security audit identified that neither S3 bucket has encryption at rest enabled. Company policy requires that all documents must be stored with encryption at rest. The company wants to implement server-side encryption with Amazon S3 managed encryption keys (SSE-S3).

What is the MOST operationally efficient solution that meets these requirements?

A. Turn on SSE-S3 on both S3 buckets. Use S3 Batch Operations to copy and encrypt the objects in the same location.

B. Create an AWS Key Management Service (AWS KMS) key in each account. Turn on server-side encryption with AWS KMS keys (SSE-KMS) on each S3 bucket by using the corresponding KMS key in that AWS account. Encrypt the existing objects by using an S3 copy command in the AWS CLI.

C. Turn on SSE-S3 on both S3 buckets. Encrypt the existing objects by using an S3 copy command in the AWS CLI.

D. Create an AWS Key Management Service (AWS KMS) key in each account. Turn on server-side encryption with AWS KMS keys (SSE-KMS) on each S3 bucket by using the corresponding KMS key in that AWS account. Use S3 Batch Operations to copy the objects into the same location.

Correct Answer: A

"The S3 buckets have millions of objects" If there are million of objects then you should use Batch operations. https://aws.amazon.com/blogs/storage/encrypting-objects-with-amazon-s3-batch-operations/

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