SCS-C01^{Q&As}

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QUESTION 1

Your company has been using AWS for hosting EC2 Instances for their web and database applications. They want to have a compliance check to see the following

Whether any ports are left open other than admin ones like SSH and RDP

Whether any ports to the database server other than ones from the web server security group are open Which of the following can help achieve this in the easiest way possible. You don\\'t want to carry out an extra configuration changes?

Please select:

A. AWS Config

B. AWS Trusted Advisor

C. AWS Inspector D.AWSGuardDuty

Correct Answer: B

Trusted Advisor checks for compliance with the following security recommendations: Limited access to common administrative ports to only a small subset of addresses. This includes ports 22 (SSH), 23 (Telnet) 3389 (RDP), and 5500 (VNQ. Limited access to common database ports. This includes ports 1433 (MSSQL Server), 1434 (MSSQL Monitor), 3306 (MySQL), Oracle (1521) and 5432 (PostgreSQL). Option A is partially correct but then you would need to write custom rules for this. The AWS trusted advisor can give you all o these checks on its dashboard Option C is incorrect. Amazon Inspector needs a software agent to be installed on all EC2 instances that are included in the assessment target, the security of which you want to evaluate with Amazon Inspector. It monitors the behavior of the EC2 instance on which it is installed, including network, file system, and process activity, and collects a wide set of behavior and configuration data (telemetry), which it then passes to the Amazon Inspector service. Our question\\'s requirement is to choose a choice that is easy to implement. Hence Trusted Advisor is more appropriate for this question. Options D is invalid because this service dont provide these details. For more information on the Trusted Advisor, please visit the following URL https://aws.amazon.com/premiumsupport/trustedadvisor> The correct answer is: AWS Trusted Advisor

QUESTION 2

A company does not allow the permanent installation of SSH keys onto an Amazon Linux 2 EC2 instance. However, three employees who have IAM user accounts require access to the EC2 instance. The employees must use an SSH

session to perform critical duties.

How can a security engineer provide the appropriate access to the EC2 instance to meet these requirements?

A. Use AWS Systems Manager Inventory to select the EC2 instance and connect. Provide the IAM user accounts with the permissions to use Systems Manager Inventory.

B. Use AWS Systems Manager Run Command to open an SSH connection to the EC2 instance. Provide the IAM user accounts with the permissions to use Run Command.

C. Use AWS Systems Manager Session Manager. Provide the IAM user accounts with the permissions to use Systems Manager Session Manager.

D. Connect to the EC2 instance as the ec2-user through the AWS Management Console\\'s EC2 SSH client method. Provide the IAM user accounts with access to use the EC2 service in the AWS Management Console.

Correct Answer: C

QUESTION 3

You work at a company that makes use of AWS resources. One of the key security policies is to ensure that all data i encrypted both at rest and in transit. Which of the following is one of the right ways to implement this.

Please select:

A. Use S3 SSE and use SSL for data in transit

B. SSL termination on the ELB

C. Enabling Proxy Protocol

D. Enabling sticky sessions on your load balancer

Correct Answer: A

By disabling SSL termination, you are leaving an unsecure connection from the ELB to the back end instances. Hence this means that part of the data transit is not being encrypted. Option B is incorrect because this would not guarantee complete encryption of data in transit Option C and D are incorrect because these would not guarantee encryption For more information on SSL Listeners for your load balancer, please visit the below URL: http://docs.aws.amazon.com/elasticloadbalancine/latest/classic/elb-https-load- balancers.html The correct answer is: Use S3 SSE and use SSL for data in transit

QUESTION 4

A company has hundreds of AWS accounts, and a centralized Amazon S3 bucket used to collect AWS CloudTrail logs for all of these accounts. A Security Engineer wants to create a solution that will enable the company to run ad hoc queries against its CloudTrail logs dating back 3 years from when the trails were first enabled in the company\\'s AWS account.

How should the company accomplish this with the least amount of administrative overhead?

A. Run an Amazon EMP cluster that uses a MapReduce job to be examine the CloudTrail trails.

B. Use the events history/feature of the CloudTrail console to query the CloudTrail trails.

C. Write an AWS Lambda function to query the CloudTrail trails Configure the Lambda function to be executed whenever a new file is created in the CloudTrail S3 bucket.

D. Create an Amazon Athena table that tools at the S3 bucket the CloudTrail trails are being written to Use Athena to run queries against the trails.

Correct Answer: B

QUESTION 5

For compliance reasons, an organization limits the use of resources to three specific AWS regions. It wants to be alerted when any resources are launched in unapproved regions. Which of the following approaches will provide alerts on any resources launched in an unapproved region?

A. Develop an alerting mechanism based on processing AWS CloudTrail logs.

B. Monitor Amazon S3 Event Notifications for objects stored in buckets in unapproved regions.

C. Analyze Amazon CloudWatch Logs for activities in unapproved regions.

D. Use AWS Trusted Advisor to alert on all resources being created.

Correct Answer: A

https://stackoverflow.com/questions/45449053/cloudwatch-alert-on-any-instance-creation