



## **EC-Council**

### **Exam Questions 312-40**

EC-Council Certified Cloud Security Engineer (CCSE)

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#### NEW QUESTION 1

TetraSoft Pvt. Ltd. is an IT company that provides software and application services to numerous customers across the globe. In 2015, the organization migrated its applications and data from on-premises to the AWS cloud environment. The cloud security team of TetraSoft Pvt. Ltd. suspected that the EC2 instance that launched the core application of the organization is compromised. Given below are randomly arranged steps involved in the forensic acquisition of an EC2 instance. In this scenario, when should the investigators ensure that a forensic instance is in the terminated state?

- A. After creating evidence volume from the snapshot
- B. Before taking a snapshot of the EC2 instance
- C. Before attaching evidence volume to the forensic instance
- D. After attaching evidence volume to the forensic instance

**Answer: C**

#### NEW QUESTION 2

Alex Hales works as a cloud security specialist in an IT company. He wants to make his organization's business faster and more efficient by implementing Security Assertion Markup Language (SAML) that will enable employees to securely access multiple applications with a single set of credentials. What is SAML?

- A. It is a YAML-based authentication and authorization standard
- B. It is an HTML based authentication and authorization standard
- C. It is a XML based authentication and authorization standard
- D. It is a JSON based authentication and authorization standard

**Answer: C**

#### NEW QUESTION 3

Gabriel Bateman has been working as a cloud security engineer in an IT company for the past 5 years. Owing to the recent onset of the COVID-19 pandemic, his organization has given the provision to work from home to all employees. Gabriel's organization uses Microsoft Office 365 that allows all employees access files, emails, and other Office programs securely from various locations on multiple devices. Who among the following is responsible for patch management in Microsoft Office 365?

- A. Both Gabriel's organization and Microsoft share responsibilities for patch management
- B. Gabriel's organization should outsource patch management to a third party
- C. Gabriel's organization is entirely responsible for patch management
- D. Microsoft is entirely responsible for patch management

**Answer: D**

#### NEW QUESTION 4

The TCK Bank adopts cloud for storing the private data of its customers. The bank usually explains its information sharing practices to its customers and safeguards sensitive data. However, there exist some security loopholes in its information sharing practices. Therefore, hackers could steal the critical data of the bank's customers. In this situation, under which cloud compliance framework will the bank be penalized?

- A. GLBA
- B. ITAR
- C. NIST
- D. GDPR

**Answer: D**

#### NEW QUESTION 5

Global SoftTechSol is a multinational company that provides customized software solutions and services to various clients located in different countries. It uses a public cloud to host its applications and services. Global SoftTechSol uses Cloud Debugger to inspect the current state of a running application in real-time, find bugs, and understand the behavior of the code in production. Identify the service provider that provides the Cloud Debugger feature to Global SoftTechSol?

- A. Google
- B. AWS
- C. IBM
- D. Azure

**Answer: A**

#### NEW QUESTION 6

WinSun Computers is a software firm that adopted cloud computing. To keep the cloud environment secure, the organization must ensure that it adheres to the regulations, controls, and rules framed by its management in the cloud environment. Which of the following represents the adherence to these regulations, controls, and rules framed by the organization in this scenario?

- A. Risk Management
- B. Regulatory Compliance
- C. Governance
- D. Corporate Compliance

**Answer: B**

#### NEW QUESTION 7

Samuel Jackson has been working as a cloud security engineer for the past 12 years in VolkSec Pvt. Ltd., whose applications are hosted in a private cloud. Owing to the increased number of users for its services, the organization is finding it difficult to manage the on-premises data center. To overcome scalability and data storage issues, Samuel advised the management of his organization to migrate to a public cloud and shift the applications and data. Once the suggestion to migrate to public cloud was accepted by the management, Samuel was asked to select a cloud service provider. After extensive research on the available public cloud service providers, Samuel made his recommendation. Within a short period, Samuel along with his team successfully transferred all applications and data to the public cloud. Samuel's team would like to configure and maintain the platform, infrastructure, and applications in the new cloud computing environment. Which component of a cloud platform and infrastructure provides tools and interfaces to Samuel's team for configuring and maintaining the platform, infrastructure, and application?

- A. Physical and Environment Component
- B. Compute Component
- C. Management Component
- D. Virtualization Component

**Answer: C**

#### NEW QUESTION 8

Dave Allen works as a cloud security engineer in an IT company located in Baltimore, Maryland. His organization uses cloud-based services; it also uses the Network Watcher regional service to monitor and diagnose problems at the network level. It contains network diagnostic and visualization tools that help in understanding, diagnosing, and obtaining visibility into the network in a cloud environment. This service helped Dave in detecting network vulnerabilities, monitoring network performance, and ensuring secure cloud operations. Which of the following cloud service providers offers the Network Watcher service?

- A. Google
- B. Azure
- C. IBM
- D. AWS

**Answer: B**

#### NEW QUESTION 9

Thomas Gibson is a cloud security engineer working in a multinational company. Thomas has created a Route 53 record set from his domain to a system in Florida, and a similar record to machines in Paris and Singapore.

Assume that network conditions remain unchanged and Thomas has hosted the application on Amazon EC2 instance; moreover, multiple instances of the application are deployed on different EC2 regions. When a user located in London visits Thomas's domain, to which location does Amazon Route 53 route the user request?

- A. Singapore
- B. London
- C. Florida
- D. Paris

**Answer: B**

#### NEW QUESTION 10

An organization is developing a new AWS multitier web application with complex queries and table joins.

However, because the organization is small with limited staff, it requires high availability. Which of the following Amazon services is suitable for the requirements of the organization?

- A. Amazon HSM
- B. Amazon Snowball
- C. Amazon Glacier
- D. Amazon DynamoDB

**Answer: D**

#### NEW QUESTION 10

IntSecureSoft Solutions Pvt. Ltd. is an IT company that develops software and applications for various educational institutions. The organization has been using Google cloud services for the past 10 years. Tara Reid works as a cloud security engineer in IntSecureSoft Solutions Pvt. Ltd. She would like to identify various misconfigurations and vulnerabilities such as open storage buckets, instances that have not implemented SSL, and resources without an enabled Web UI. Which of the following is a native scanner in the Security Command Center that assesses the overall security state and activity of virtual machines, containers, network, and storage along with the identity and access management policies?

- A. Log Analytics Workspace
- B. Google Front End
- C. Security Health Analytics
- D. Synapse Analytics

**Answer: C**

#### NEW QUESTION 15

Lexie Roth works as a cloud security engineer in an IT company located in Boston, Massachusetts. Her organization generates a huge amount of data. To increase the storage size, speed, and fault tolerance, Lexie would like to configure and create a RAID. Therefore, she created a RAID on windows Server 2016, which includes block level striping with a distributed parity. The parity information is distributed among all drives, except one. The data chunks in the RAID are larger than the regular I/O size, but they can be re-sized. To prevent data loss after a drive fails, data are calculated from the distributed parity. The RAID configured by Lexie requires at least three disks, but for robust performance, Lexie used seven disks. Based on the given information, which of the following RAID was configured and created by Lexie?

- A. RAID 3

- B. RAID 5
- C. RAID1
- D. RAID 0

**Answer:** B

#### NEW QUESTION 19

Veronica Lauren has an experience of 4 years as a cloud security engineer. Recently, she joined an IT company as a senior cloud security engineer. In 2010, her organization became a victim of a cybersecurity attack in which the attacker breached her organization's cloud security perimeter and stole sensitive information. Since then, her organization started using Google cloud-based services and migrated the organizational workload and data in the Google cloud environment. Veronica would like to detect security breaches in her organization's cloud security perimeter. Which of the following built-in service of Google Security Command Center can help Veronica in monitoring her organization's cloud logging stream and collect logs from one or multiple projects to detect security breaches such as the presence of malware, brute force SSH attempts, and cryptomining?

- A. Event Threat Detection
- B. Web Security Scanner
- C. Container Threat Detection
- D. Security Health Analytics

**Answer:** A

#### NEW QUESTION 23

Global CloudEnv is a cloud service provider that provides various cloud-based services to cloud consumers. The cloud service provider adheres to the framework that can be used as a tool to systematically assess cloud implementation by providing guidance on the security controls that should be implemented by specific actors within the cloud supply chain. It is used as the standard to assess the security posture of organizations on the Security, Trust, Assurance, and Risk (STAR) registry. Based on the given information, which of the following cybersecurity control frameworks does Global CloudEnv adhere to?

- A. CDMI
- B. CSA CCM
- C. CSA CAIQ
- D. ITU-T X.1601

**Answer:** B

#### NEW QUESTION 26

Being a cloud security administrator, Jonathan is responsible for securing the large-scale cloud infrastructure of his organization SpectrumIT Solutions. The organization has to implement a threat detection and analysis system so that Jonathan would receive alerts regarding all misconfigurations and network intrusions in the organization's cloud infrastructure. Which AWS service would enable him to use to receive alerts related to risks?

- A. Amazon SQS
- B. Amazon VPC
- C. Amazon SNS
- D. Amazon GuardDuty

**Answer:** D

#### NEW QUESTION 27

Chris Noth has been working as a senior cloud security engineer in CloudAppSec Private Ltd. His organization has selected a DRaaS (Disaster Recovery as a Service) company to provide a disaster recovery site that is fault tolerant and consists of fully redundant equipment with network connectivity and real-time data synchronization. Thus, if a disaster strikes Chris' organization, failover can be performed to the disaster recovery site with minimal downtime and zero data loss. Based on the given information, which disaster recovery site is provided by the DRaaS company to Chris' organization?

- A. Hot Site
- B. Cold Site
- C. Remote site
- D. Warm Site

**Answer:** A

#### NEW QUESTION 29

An organization, PARADIGM PlayStation, moved its infrastructure to a cloud as a security practice. It established an incident response team to monitor the hosted websites for security issues. While examining network access logs using SIEM, the incident response team came across some incidents that suggested that one of their websites was targeted by attackers and they successfully performed an SQL injection attack.

Subsequently, the incident response team made the website and database server offline.

In which of the following steps of the incident response lifecycle, the incident team determined to make that decision?

- A. Analysis
- B. Containment
- C. Coordination and information sharing
- D. Post-mortem

**Answer:** B

#### NEW QUESTION 30

Kevin Williamson has been working as a cloud security engineer in a startup IT company. The business performed by his organization does not require live updating. A DRaaS company provided a disaster recovery site to Kevin's organization with little or no equipment, backup services with no network connectivity, it does not perform automatic failover. and involves data synchronization with a high risk of data loss. Based on the given information, which of the following disaster

recovery sites is provided by the DRaaS company to Kevin's organization?

- A. Hot Site
- B. Warm Site
- C. Remote site
- D. Cold Site

**Answer: D**

#### NEW QUESTION 35

Shannon Elizabeth works as a cloud security engineer in VicPro Soft Pvt. Ltd. Microsoft Azure provides all cloud-based services to her organization. Shannon created a resource group (ProdRes), and then created a virtual machine (myprodvms) in the resource group. On myprodvms virtual machine, she enabled JIT from the Azure Security Center dashboard. What will happen when Shannon enables JIT VM access?

- A. It locks down the inbound traffic from myprodvms by creating a rule in the network security group
- B. It locks down the inbound traffic to myprodvms by creating a rule in the Azure firewall
- C. It locks down the outbound traffic from myprodvms by creating a rule in the network security group
- D. It locks down the outbound traffic to myprodvms by creating a rule in the Azure firewall

**Answer: B**

#### NEW QUESTION 36

TechnoSoft Pvt. Ltd. is a BPO company that provides 24 \* 7 customer service. To secure the organizational data and applications from adversaries, the organization adopted cloud computing. The security team observed that the employees are browsing restricted and inappropriate web pages. Which of the following techniques will help the security team of TechnoSoft Pvt. Ltd. in preventing the employees from accessing restricted or inappropriate web pages?

- A. Data Loss Prevention (DLP)
- B. Cloud access security broker (CASB)
- C. Geo-Filtering
- D. URL filtering

**Answer: D**

#### NEW QUESTION 38

Jerry Mulligan is employed by an IT company as a cloud security engineer. In 2014, his organization migrated all applications and data from on-premises to a cloud environment. Jerry would like to perform penetration testing to evaluate the security across virtual machines, installed apps, and OSes in the cloud environment, including conducting various security assessment steps against risks specific to the cloud that could expose them to serious threats. Which of the following cloud computing service models does not allow cloud penetration testing (CPEN) to Jerry?

- A. DBaaS
- B. IaaS
- C. PaaS
- D. SaaS

**Answer: D**

#### NEW QUESTION 43

Trevor Holmes works as a cloud security engineer in a multinational company. Approximately 7 years ago, his organization migrated its workload and data to the AWS cloud environment. Trevor would like to monitor malicious activities in the cloud environment and protect his organization's AWS account, data, and workloads from unauthorized access. Which of the following Amazon detection services uses anomaly detection, machine learning, and integrated threat intelligence to identify and classify threats and provide actionable insights that include the affected resources, attacker IP address, and geolocation?

- A. Amazon Inspector
- B. Amazon GuardDuty
- C. Amazon Macie
- D. Amazon Security Hub

**Answer: B**

#### NEW QUESTION 45

QuickServ Solutions is an organization that wants to migrate to the cloud. It is in the phase of signing an agreement with a cloud vendor. For that, QuickServ Solutions must assess the current vendor procurement process to determine how the company can mitigate cloud-related risks. How can the company accomplish that?

- A. Using Cloud Computing Contracts
- B. Using Gap Analysis
- C. Using Vendor Transitioning
- D. Using Internal Audit

**Answer: D**

#### NEW QUESTION 47

An AWS customer was targeted with a series of HTTPS DDoS attacks, believed to be the largest layer 7 DDoS reported to date. Starting around 10 AM ET on March 1, 2023, more than 15,500 requests per second (rps) began targeting the AWS customer's load balancer. After 10 min, the number of requests increased to 2,50,000 rps.

This attack resembled receiving the entire daily traffic in only 10s. An AWS service was used to sense and mitigate this DDoS attack as well as prevent bad bots and application vulnerabilities. Identify which of the following AWS services can accomplish this.

- A. AWS Amazon Direct Connect
- B. Amazon CloudFront
- C. AWS Shield Standard
- D. AWS EBS

**Answer:** C

#### NEW QUESTION 48

Terry Diab has an experience of 6 years as a cloud security engineer. She recently joined a multinational company as a senior cloud security engineer. Terry learned that there is a high probability that her organizational applications could be hacked and user data such as passwords, usernames, and account information can be exploited by an attacker. The organizational applications have not yet been hacked, but this issue requires urgent action. Therefore, Terry, along with her team, released a software update that is designed to resolve this problem instantly with a quick-release procedure. Terry successfully fixed the problem (bug) in the software product immediately without following the normal quality assurance procedures. Terry's team resolved the problem immediately on the live system with zero downtime for users. Based on the given information, which of the following type of update was implemented by Terry?

- A. Patch
- B. Rollback
- C. Hotfix
- D. Version update

**Answer:** A

#### NEW QUESTION 51

AWS runs 35+ instances that are all CentOS machines. Updating these machines manually is a time-intensive task that may lead to missed updates for some instances and create vulnerabilities. Which of the following can be used to prevent each port of each instance from being opened to access the machine and install updates?

- A. AWS Security Hub
- B. AWS Systems Manager
- C. Amazon Glacier
- D. Amazon Snowball

**Answer:** B

#### NEW QUESTION 52

GlobalCloud is a cloud service provider that offers various cloud-based secure and cost-effective services to cloud consumers. The customer base of this organization increased within a short period; thus, external auditing was performed on GlobalCloud. The auditor used spreadsheets, databases, and data analyzing software to analyze a large volume of data. Based on the given information, which cloud-based audit method was used by the auditor to collect the objective evidence?

- A. Gap Analysis
- B. CAAT
- C. Striping
- D. Re-Performance

**Answer:** B

#### NEW QUESTION 57

Frances Fisher has been working as a cloud security engineer in a multinational company. Her organization uses Microsoft Azure cloud-based services. Frances created a resource group (devResourceGroup); then, she created a virtual machine (devVM) in that resource group. Next, Frances created a Bastion host for the virtual machine (devVM) and she connected the virtual machine using Bastion from the Azure portal. Which of the following protocols is used by Azure Bastion to provide secure connectivity to Frances' virtual machine (devVM) from the Azure portal?

- A. TLS
- B. HTTP
- C. Telnet
- D. TCP

**Answer:** A

#### NEW QUESTION 61

A new public web application is deployed on AWS that will run behind an Application Load Balancer (ALB). An AWS security expert needs to encrypt the newly deployed application at the edge with an SSL/TLS certificate issued by an external certificate authority. In addition, he needs to ensure the rotation of the certificate yearly before it expires. Which of the following AWS services can be used to accomplish this?

- A. AWS Snowball
- B. AWS Certificate Manager
- C. AWS Cloud HSM
- D. Amazon Elastic Load Balancer

**Answer:** B

#### NEW QUESTION 66

A company is a third-party vendor for several organizations and provides them customized software and products to cater to their needs. It recently moved its infrastructure and applications on cloud. Its applications are not working on the cloud as expected. The developers and testers are experiencing significant difficulty in managing and deploying the code in the cloud. Which of the following will help them with automated integration, development, testing, and deployment in the cloud?

- A. Vulnerability assessment tool
- B. DevOps
- C. SIEM
- D. Dashboard

**Answer: B**

#### NEW QUESTION 71

Jordon Bridges has been working as a senior cloud security engineer in a multinational company. His organization uses Google cloud-based services. Jordon stored his organizational data in the bucket and named the bucket in the Google cloud storage following the guidelines for bucket naming. Which of the following is a valid bucket name given by Jordon?

- A. company-storage-data
- B. Company-storage-data
- C. Company-Storage-Data
- D. company storage data

**Answer: A**

#### NEW QUESTION 75

Dustin Hoffman works as a cloud security engineer in a healthcare company. His organization uses AWS cloud-based services. Dustin would like to view the security alerts and security posture across his organization's AWS account. Which AWS service can provide aggregated, organized, and prioritized security alerts from AWS services such as GuardDuty, Inspector, Macie, IAM Analyzer, Systems Manager, Firewall Manager, and AWS Partner Network to Dustin?

- A. AWS Config
- B. AWS CloudTrail
- C. AWS Security Hub
- D. AWS CloudFormation

**Answer: C**

#### NEW QUESTION 79

Melissa George is a cloud security engineer in an IT company. Her organization has adopted cloud-based services. The integration of cloud services has become significantly complicated to be managed by her organization. Therefore, her organization requires a third-party to consult, mediate, and facilitate the selection of a solution. Which of the following NIST cloud deployment reference architecture actors manages cloud service usage, performance, and delivery, and maintains the relationship between the CSPs and cloud consumers?

- A. Cloud Auditor
- B. Cloud Carrier
- C. Cloud Provider
- D. Cloud Broker

**Answer: D**

#### NEW QUESTION 83

Assume you work for an IT company that collects user behavior data from an e-commerce web application. This data includes the user interactions with the applications, such as purchases, searches, saved items, etc. Capture this data, transform it into zip files, and load these massive volumes of zip files received from an application into Amazon S3. Which AWS service would you use to do this?

- A. AWS Migration Hub
- B. AWS Database Migration Service
- C. AWS Kinesis Data Firehose
- D. AWS Snowmobile

**Answer: C**

#### NEW QUESTION 87

A multinational company decided to shift its organizational infrastructure and data to the cloud. Their team finalized the service provider. Which of the following is a contract that can define the security standards agreed upon by the service provider to maintain the security of the organizational data and infrastructure and define organizational data compliance?

- A. Service Agreement
- B. Service Level Agreement
- C. Service Level Contract
- D. Compliance Agreement

**Answer: B**

#### NEW QUESTION 92

Michael Keaton has been working as a cloud security specialist in a multinational company. His organization uses Google Cloud. Keaton has launched an application in n1-standard-1 (1 vCPU, 3.75 GB memory) instance.

Over the past three weeks, the instance has had low memory utilization. Which of the following machine type switching is recommended for Keaton?

- A. g1-small (1 vCPU, 1.7 GB memory)
- B. n1-standard-2 (2 vCPU, 7.5 GB memory)
- C. f1-micro (1 vCPU, 614 GB memory)
- D. n1-standard-1 (1 vCPU, 3.75 GB memory)

**Answer:** A

#### NEW QUESTION 96

For securing data, an AWS customer created a key in the Alabama region to encrypt their data in the California region. Two users were added to the key along with an external AWS account. When the AWS customer attempted to encrypt an S3 object, they observed that the key is not listed. What is the reason behind this?

- A. It takes time for new keys to be listed
- B. Encryption key should be in the same region
- C. S3 cannot be integrated with KMS
- D. AWS does not support external AWS accounts

**Answer:** B

#### NEW QUESTION 101

Scott Herman works as a cloud security engineer in an IT company located in Ann Arbor, Michigan. His organization uses Office 365 Business Premium that provides Microsoft Teams, secure cloud storage, business email, premium Office applications across devices, advanced cyber threat protection, and device management.

Which of the following cloud computing service models does Microsoft Office 365 represent?

- A. DaaS
- B. IaaS
- C. PaaS
- D. SaaS

**Answer:** D

#### NEW QUESTION 104

Scott Herman works as a cloud security engineer in an IT company. His organization has deployed a 3-tier web application in the same Google Cloud Virtual Private Cloud. Each tier (web interface (UI), API, and database) is scaled independently of others. Scott Herman obtained a requirement that the network traffic should always access the database using the API and any request coming directly from the web interface to the database should not be allowed. How should Scott configure the network with minimal steps?

- A. By adding tags to each tier and setting up firewall rules to allow the desired traffic flow
- B. By adding tags to each tier and setting up routes to allow the desired traffic flow
- C. By setting up software-based firewalls on individual VMs
- D. By adding each tier to a different subnet

**Answer:** A

#### NEW QUESTION 108

Two cloud security engineers, Lin and Messy, observed unexpected changes such as slower response time in the behavior of the Azure storage services used by applications. They need to study the tables, queues, and blob logs and identify the root cause of the slow response to remediate the issue. How can both Lin and Messy ensure the operational security of Azure operational?

- A. Using Azure Monitor
- B. Using Azure Automation
- C. Using Azure Active Directory
- D. Using Azure Storage Analytics

**Answer:** D

#### NEW QUESTION 113

Sam, a cloud admin, works for a technology company that uses Azure resources. Because Azure contains the resources of numerous organizations and several alerts are received timely, it is difficult for the technology company to identify risky resources, determine their owner, know whether they are needed, and know who pays for them. How can Sam organize resources to determine this information immediately?

- A. By using tags
- B. By setting up Azure Front Door
- C. By configuring workflow automation
- D. By using ASC Data Connector

**Answer:** A

#### NEW QUESTION 118

Cosmic IT Services wants to migrate to cloud computing. Before migrating to the cloud, the organization must set business goals for cloud computing as per the guidelines of a standard IT governance body. Which standard IT governance body can help the organization to set business goals and objectives for cloud computing by offering the IT governance named COBIT (Control Objective for Information and Related Technology)?

- A. International Standards Organization (ISO)
- B. Cloud Security Alliance (CSA)
- C. Information System Audit and Control Association (ISACA)
- D. Committee of Sponsoring Organizations (COSO)

**Answer:** C

#### NEW QUESTION 121

A document has an organization's classified information. The organization's Azure cloud administrator has to send it to different recipients. If the email is not protected, this can be opened and read by any user. So the document should be protected and it will only be opened by authorized users. In this scenario, which Azure service can enable the admin to share documents securely?

- A. Azure Information Protection
- B. Azure Key Vault
- C. Azure Resource Manager
- D. Azure Content Delivery Network

**Answer: A**

#### NEW QUESTION 124

Falcon Computers is an IT company that runs its IT infrastructure on the cloud. The organization must implement cloud governance in its corporate cloud environment to align its business vision with the cloud vision. Which of the following cloud governance components can help the organization to align the cloud vision and business vision?

- A. Cloud center of excellence
- B. Norms, models, reference architectures, best practices, guidelines, and policies
- C. Processes for the cloud service lifecycle
- D. Cloud business office

**Answer: A**

#### NEW QUESTION 127

Jack Jensen works as a cloud security engineer in an IT company located in Madison, Wisconsin. Owing to the various security services provided by Google, in 2012, his organization adopted Google cloud-based services. Jack would like to identify security abnormalities to secure his organizational data and workload. Which of the following is a built-in feature in the Security Command Center that utilizes behavioral signals to detect security abnormalities such as unusual activity and leaked credentials in virtual machines or GCP projects?

- A. Anomaly Detector
- B. Security Health Analytics
- C. Cloud Armor
- D. Cloud Anomaly Detection

**Answer: D**

#### NEW QUESTION 129

Global SciTech Pvt. Ltd. is an IT company that develops healthcare-related software. Using an incident detection system (IDS) and antivirus software, the incident response team of the organization has observed that attackers are targeting the organizational network to gain access to the resources in the on-premises environment. Therefore, their team of cloud security engineers met with a cloud service provider to discuss the various security provisions offered by the cloud service provider. While discussing the security of the organization's virtual machine in the cloud environment, the cloud service provider stated that the Network Security Groups (NSGs) will secure the VM by allowing or denying network traffic to VM instances in a virtual network based on inbound and outbound security rules. Which of the following cloud service provider filters the VM network traffic in a virtual network using NSGs?

- A. IBM
- B. AWS
- C. Azure
- D. Google

**Answer: C**

#### NEW QUESTION 130

Richard Roxburgh works as a cloud security engineer in an IT company. His organization was dissatisfied with the services of its previous cloud service provider. Therefore, in January 2020, his organization adopted AWS cloud-based services and shifted all workloads and data in the AWS cloud. Richard wants to provide complete security to the hosted applications before deployment and while running in the AWS ecosystem. Which of the following automated security assessment services provided by AWS can be used by Richard to improve application security and check the application for any type of vulnerability or deviation from the best practices automatically?

- A. AWS CloudFormation
- B. Amazon Inspector
- C. AWS Control Tower
- D. Amazon CloudFront

**Answer: B**

#### NEW QUESTION 132

Richard Branson works as a senior cloud security engineer in a multinational company. Richard wants to see the actions performed on AWS resources, the services accessed, users who made requests, and the users or services that performed an action on an AWS service. Which of the following AWS services will provide a log of all system and user actions that affect AWS resources within Richard's organizational AWS account?

- A. Amazon Route 53 Security
- B. Amazon CloudFront Security
- C. Amazon CloudTrail Security
- D. Amazon CloudWatch Security

**Answer: D**

#### NEW QUESTION 134

Andrew Gerrard has been working as a cloud security engineer in an MNC for the past 3 years. His organization uses cloud-based services and it has implemented a DR plan. Andrew wants to ensure that the DR plan works efficiently and his organization can recover and continue with its normal operation when a disaster strikes.

Therefore, the owner of the DR plan, Andrew, and other team members involved in the development and implementation of the DR plan examined it to determine the inconsistencies and missing elements. Based on the given scenario, which of the following type of DR testing was performed in Andrew's organization?

- A. Plan Review
- B. Simulation
- C. Stimulation
- D. Table-top exercise

**Answer: A**

#### NEW QUESTION 139

Rufus Sewell, a cloud security engineer with 5 years of experience, recently joined an MNC as a senior cloud security engineer. Owing to the cost-effective security features and storage services provided by AWS, his organization has been using AWS cloud-based services since 2014. To create a RAID, Rufus created an Amazon EBS volume for the array and attached the EBS volume to the instance where he wants to host the array. Using the command line, Rufus successfully created a RAID. The array exhibits noteworthy performance both in read and write operations with no overhead by parity control and the entire storage capacity of the array is used.

The storage capacity of the RAID created by Rufus is equal to the sum of disk capacity in the set, but the array is not fault tolerant. It is ideal for non-critical cloud data storage that must be read/written at a high speed.

Based on the given information, which of the following RAID is created by Rufus?

- A. RAID 0
- B. RAID 5
- C. RAID 1
- D. RAID 6

**Answer: A**

#### NEW QUESTION 140

You are the manager of a cloud-based security platform that offers critical services to government agencies and private companies. One morning, your team receives an alert from the platform's intrusion detection system indicating that there has been a potential breach in the system. As the manager, which tool you will use for viewing and monitoring the sensitive data by scanning storage systems and reviewing the access rights to critical resources via a single centralized dashboard?

- A. Google Cloud Security Command Center
- B. Google Cloud Security Scanner
- C. Cloud Identity and Access Management (IAM)
- D. Google Cloud Armor

**Answer: A**

#### NEW QUESTION 144

The e-commerce platform [www.evoucher.com](http://www.evoucher.com) observes overspending 15% to 30% due to unawareness of the mistakes in threat detection and security governance while using the services of its cloud provider AWS. It feels it requires a well-thought-out roadmap to improve its cloud journey. How can the company accelerate its cloud journey with desired outcomes and business value?

- A. By following AWS CAF
- B. By following AWS SMPM
- C. By following AWS IAM
- D. By following Amazon ELB

**Answer: A**

#### NEW QUESTION 147

SecureSoftWorld Pvt. Ltd. is an IT company that develops software solutions catering to the needs of the healthcare industry. Most of its services are hosted in Google cloud. In the cloud environment, to secure the applications and services, the organization uses Google App Engine Firewall that controls the access to the App Engine with a set of rules that denies or allows requests from a specified range of IPs. How many unique firewall rules can SecureSoftWorld Pvt. Ltd define using App Engine Firewall?

- A. Up to 10000
- B. Up to 1000
- C. Up to 10
- D. Up to 100

**Answer: B**

#### NEW QUESTION 148

Simon recently joined a multinational company as a cloud security engineer. Due to robust security services and products provided by AWS, his organization has been using AWS cloud-based services. Simon has launched an Amazon EC2 Linux instance to deploy an application. He would like to secure Linux AMI. Which of the following command should Simon run in the EC2 instance to disable user account passwords?

- A. `passwd -D < USERNAME >`
- B. `passwd -l < USERNAME >`
- C. `passwd -d < USERNAME >`
- D. `passwd -L < USERNAME >`

**Answer: B**

**NEW QUESTION 149**

Billy Pratt works as a cloud security engineer in an MNC. In 2012, his organization transferred all applications and data into an AWS cloud environment. Billy would like to analyze, investigate, and identify the root cause of malicious activities in his organization's AWS cloud environment. Which of the following Amazon services automatically collects data from various AWS resources and utilizes machine learning, statistical analysis, and graph theory to provide a unified and interactive view of resources and users that would help Billy in determining the root cause of suspicious activities?

- A. Amazon inspector
- B. Amazon Detective
- C. Amazon Guard Duty
- D. Amazon Macie

**Answer: C**

**NEW QUESTION 150**

Chris Evans has been working as a cloud security engineer in a multinational company over the past 3 years. His organization has been using cloud-based services. Chris uses key vault as a key management solution because it offers easier creation of encryption keys and control over them. Which of the following public cloud service providers allows Chris to do so?

- A. AWS
- B. Azure
- C. GCP
- D. Oracle

**Answer: B**

**NEW QUESTION 154**

An organization wants to securely connect to the AWS environment with a speed of 20 Gbps directly through its data centers, branch offices, and colocation facilities to ensure that its customers can securely access public (objects stored in Amazon S3) and private (limited access features such as VPC) resources by bypassing the internet service providers in the path. Which of the following AWS services can be helpful for the organization?

- A. Amazon EBS
- B. AWS Shield Standard
- C. Amazon Direct Connect
- D. Amazon CloudFront

**Answer: C**

**NEW QUESTION 157**

James Harden works as a cloud security engineer in an IT company. James' organization has adopted a RaaS architectural model in which the production application is placed in the cloud and the recovery or backup target is kept in the private data center. Based on the given information, which RaaS architectural model is implemented in James' organization?

- A. From-cloud RaaS
- B. By-cloud RaaS
- C. To-cloud RaaS
- D. In-cloud RaaS

**Answer: A**

**NEW QUESTION 161**

On database system of a hospital maintains rarely-accessed patients' data such as medical records including high-resolution images of ultrasound reports, MRI scans, and X-Ray reports for years. These records occupy a lot of space and need to be kept safe as it contains sensitive medical data. Which of the following Azure storage services best suitable for such rarely-accessed data with flexible latency requirement?

- A. Azure Backup: Restore-as-a-Service
- B. Azure File Sync
- C. Azure Archive Storage
- D. Azure Recovery Services Vault

**Answer: C**

**NEW QUESTION 162**

Georgia Lyman is a cloud security engineer; she wants to detect unusual activities in her organizational Azure account. For this, she wants to create alerts for unauthorized activities with their severity level to prioritize the alert that should be investigated first. Which Azure service can help her in detecting the severity and creating alerts?

- A. Windows Defender
- B. Cloud Operations Suite
- C. Microsoft Defender for Cloud
- D. Cloud DLP

**Answer: C**

**NEW QUESTION 167**

VoxCloPro is a cloud service provider based in South America that offers all types of cloud-based services to cloud consumers. The cloud-based services provided by VoxCloPro are secure and cost-effective. Terra Soft. Pvt. Ltd. is an IT company that adopted the cloud-based services of VoxCloPro and transferred the data and applications owned by the organization from on-premises to the VoxCloPro cloud environment. According to the data protection laws of Central and South American countries, who among the following is responsible for ensuring the security and privacy of personal data?

- A. Cloud Carrier
- B. Cloud Broker
- C. Terra Sof
- D. Pv
- E. Ltd
- F. VoxCloPro

**Answer: D**

#### NEW QUESTION 171

Rebecca Gibel has been working as a cloud security engineer in an IT company for the past 5 years. Her organization uses cloud-based services. Rebecca's organization contains personal information about its clients, which is encrypted and stored in the cloud environment. The CEO of her organization has asked Rebecca to delete the personal information of all clients who utilized their services between 2011 and 2015. Rebecca deleted the encryption keys that are used to encrypt the original data; this made the data unreadable and unrecoverable. Based on the given information, which deletion method was implemented by Rebecca?

- A. Data Scrubbing
- B. Nulling Out
- C. Data Erasure
- D. Crypto-Shredding

**Answer: D**

#### NEW QUESTION 176

Chris Noth has recently joined CloudAppSec Private Ltd. as a cloud security engineer. Owing to several instances of malicious activities performed by former employees on his organization's applications and data that reside in an on-premises environment, in 2010, his organization adopted cloud computing and migrated all applications and data to the cloud. Chris would like to manage user identities in cloud-based services and applications. Moreover, he wants to reduce the risk caused by the accounts of former users (employees) by ensuring that the users who leave the system can no longer log in to the system. Therefore, he has enforced an IAM standard that can automate the provisioning and de-provisioning of users when they enter and leave the system. Which of the following IAM standards is implemented by Chris Noth?

- A. SCIM
- B. XACML
- C. OpenID
- D. OAuth

**Answer: A**

#### NEW QUESTION 177

Sandra, who works for SecAppSol Technologies, is on a vacation. Her boss asked her to solve an urgent issue in an application. Sandra had to use applications present on her office laptop to solve this issue, and she successfully rectified it. Despite being in a different location, she could securely use the application. What type of service did the organization use to ensure that Sandra could access her office laptop from a remote area?

- A. Amazon AppStream 2.0
- B. Amazon Elastic Transcoder Service
- C. Amazon SQS
- D. Amazon Simple Workflow

**Answer: A**

#### NEW QUESTION 178

Brentech Services allows its clients to access (read, write, or delete) Google Cloud Storage resources for a limited time without a Google account while it controls access to Cloud Storage. How does the organization accomplish this?

- A. Using BigQuery column-level security
- B. Using Signed Documents
- C. Using Signed URLs
- D. Using BigQuery row-level-security

**Answer: C**

#### NEW QUESTION 181

Kevin Ryan has been working as a cloud security engineer over the past 2 years in a multinational company, which uses AWS-based cloud services. He launched an EC2 instance with Amazon Linux AMI. By disabling password-based remote logins, Kevin wants to eliminate all possible loopholes through which an attacker can exploit a user account remotely. To disable password-based remote logins, using the text editor, Kevin opened the `/etc/ssh/sshd_config` file and found the `#PermitRootLogin yes` line. Which of the following command lines should Kevin use to change the `#PermitRootLogin yes` line to disable password-based remote logins?

- A. `PermitRootLogin without-password`
- B. `PermitRootLogin without-password/disable`
- C. `PermitRootLogin without-password`
- D. `PermitRootLogin without-password/disable`

**Answer:** A

**NEW QUESTION 186**

Ray Nicholson works as a senior cloud security engineer in TerraCloud Sec Pvt. Ltd. His organization deployed all applications in a cloud environment in various virtual machines. Using IDS, Ray identified that an attacker compromised a particular VM. He would like to limit the scope of the incident and protect other resources in the cloud. If Ray turns off the VM, what will happen?

- A. The data required to be investigated will be lost
- B. The data required to be investigated will be recovered
- C. The data required to be investigated will be stored in the VHD
- D. The data required to be investigated will be saved

**Answer:** A

**NEW QUESTION 191**

Cindy Williams works as a cloud security engineer in an IT company located in Seattle, Washington. Owing to the cost-effective security, governance, and storage features provided by AWS, her organization adopted AWS cloud-based services. Cindy would like to detect any unusual activity in her organization's AWS account. She would like to obtain the event history of her organization's AWS account activity for security analysis and resource change tracking. Which of the following AWS service enables operational auditing, compliance, governance, and risk auditing for her organization's AWS account?

- A. AWS CloudFormation
- B. AWS Security Hub
- C. AWS Config
- D. AWS CloudTrail

**Answer:** D

**NEW QUESTION 194**

TechGloWorld is an IT company that develops cybersecurity software and applications for various customers across the globe. Owing to the cost-effective security and storage services provided by AWS, TechGloWorld has adopted AWS cloud-based services. A new employee, named Tom Harrison, has joined TechGloWorld as a cloud security engineer. The team leader of cloud security engineers would like to add an IAM user named Tom to the IAM group named Admins. Which of the following commands should be used by the TechGloWorld security team leader?

- A. `aws iam --group-name Admins -user-name Tom add-user-to-group`
- B. `aws iam --group-name Admins --user-name Tom add-user-to-group`
- C. `aws iam add-user-to-group --user-name Tom --group-name Admins`
- D. `aws iam add-user-to-group --user-name Tom --group-name Admin`

**Answer:** C

**NEW QUESTION 195**

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