

EC-Council

Exam Questions 312-40

EC-Council Certified Cloud Security Engineer (CCSE)



NEW QUESTION 1

A web server passes the reservation information to an application server and then the application server queries an Airline service. Which of the following AWS service allows secure hosted queue server-side encryption (SSE), or uses custom SSE keys managed in AWS Key Management Service (AWS KMS)?

- A. Amazon Simple Workflow
- B. Amazon SQS
- C. Amazon SNS
- D. Amazon CloudSearch

Answer: B

NEW QUESTION 2

Kelsey Lewis has been working as a cloud security engineer in a BPO company that provides 24-7 customer service. Owing to the cost-effective storage and security features provided by cloud computing, her organization adopted the cloud environment 4 years ago. Kelsey implemented the TLS protocol to provide security to e-mail communications, voice over IP (VoIP) communication, web traffic, messaging clients, file transfers, and internet services [Domain Name Service (DNS) and Network Time Protocol (NTP)]. Which certificate is used by TLS for communication authentication and encryption between hosts?

- A. X.507 certificates issued by the Certificate Authority
- B. X.508 certificates issued by the Certificate Authority
- C. X.506 certificate issued by the Certificate Authority
- D. X.509 certificates issued by the Certificate Authority

Answer: D

NEW QUESTION 3

Jayson Smith works as a cloud security engineer in CloudWorld SecCo Pvt. Ltd. This is a third-party vendor that provides connectivity and transport services between cloud service providers and cloud consumers. Select the actor that describes CloudWorld SecCo Pvt. Ltd. based on the NIST cloud deployment reference architecture?

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

Answer: C

NEW QUESTION 4

Bruce McFee works as a cloud security engineer in an IT company. His organization uses AWS cloud-based services. Because Amazon CloudFront offers low-latency and high-speed data delivery through a user-friendly environment, Bruce's organization uses the CloudFront content delivery network (CDN) web service for the fast and secure distribution of data to various customers throughout the world. How does CloudFront accelerate content distribution?

- A. By sending the requests of end users to the nearest edge locations
- B. By restricting the requests of end users from the nearest edge locations
- C. By routing the requests of end users to the original source
- D. By forwarding the requests of end users to the original source

Answer: A

NEW QUESTION 5

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 6

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 7

SecureSoft Solutions Pvt. Ltd. is an IT company that develops mobile-based applications. Owing to the secure and cost-effective cloud-based services provided by Google, the organization migrated its applications and data from on premises environment to Google cloud. Sienna Miller, a cloud security engineer, selected the Coldline Storage class for storing data in the Google cloud storage bucket. What is the minimum storage duration for Coldline Storage?

- A. 60 days
- B. 120 days
- C. 50 days
- D. 90 days

Answer: D

NEW QUESTION 8

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 9

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 10

CyTech Private Ltd. is an IT company located in Jacksonville. Florida. The organization would like to eliminate a single point of failure: therefore. In 2017. the organization adopted a cloud computing service model in which the cloud service provider completely handles the failover. CyTech Private Ltd. added automated failover capabilities to its cloud environment and it has been testing the functionality to ensure that it is working efficiently. In which of the following cloud computing service models, failover is completely handled by the cloud service provider?

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

Answer: C

NEW QUESTION 10

Curtis Morgan works as a cloud security engineer in an MNC. His organization uses Microsoft Azure for office-site backup of large files, disaster recovery, and business-critical applications that receive significant traffic, etc.

Which of the following allows Curtis to establish a fast and secure private connection between multiple on-premises or shared infrastructures with Azure virtual private network?

- A. Site-to-Site VPN
- B. Express Route
- C. Azure Front Door
- D. Point-to-Site VPN

Answer: A

NEW QUESTION 11

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 14

InternSoft Solution Pvt. Ltd. is an IT company located in Boston, Massachusetts. The IT and InfoSec teams of the organization uses CASP to customize access rules and automate compliance policies. Using CASP solutions, they could access the account activities in the cloud, which makes it easy for them to achieve compliance, data security, and threat protection. What is CASP?

- A. It is a CASB that uses APIs
- B. It is a WAF that uses proxies
- C. It is a CASB that uses proxies
- D. It is a RASP that uses APIs

Answer: A

NEW QUESTION 16

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 21

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 24

A large e-commerce company named ShopZone uses GCP to host its online store. Recently, the company noticed several errors reported by customers while trying to make purchases on their website. They suspect that there may be some issue with the payment processing system. To investigate this issue, the cloud forensic team of the company decided to look at the logs for the payment processing system and identify anomalies that may be causing the problem. Which of the following GCP log categories helps the team gain the relevant information?

- A. Component Logs
- B. User-written logs
- C. Platform logs
- D. Security logs

Answer: C

NEW QUESTION 26

Global InfoSec Solution Pvt. Ltd. is an IT company that develops mobile-based software and applications. For smooth, secure, and cost-effective facilitation of business, the organization uses public cloud services. Now, Global InfoSec Solution Pvt. Ltd. is encountering a vendor lock-in issue. What is vendor lock-in in cloud computing?

- A. It is a situation in which a cloud consumer cannot switch to another cloud service broker without substantial switching costs
- B. It is a situation in which a cloud consumer cannot switch to a cloud carrier without substantial switching costs
- C. It is a situation in which a cloud service provider cannot switch to another cloud service broker without substantial switching costs
- D. It is a situation in which a cloud consumer cannot switch to another cloud service provider without substantial switching costs

Answer: D

NEW QUESTION 30

The organization TechWorld Ltd. used cloud for its business. It operates from an EU country (Poland and Greece). Currently, the organization gathers and processes the data of only EU users. Once, the organization experienced a severe security breach, resulting in loss of critical user data. In such a case, along with its cloud service provider, the organization should be held responsible for non-compliance or breaches. Under which cloud compliance framework will the company and cloud provider be penalized?

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

Answer: C

NEW QUESTION 35

An organization with resources on Google Cloud regularly backs up its service capabilities to ensure high availability and reduce the downtime when a zone or instance becomes unavailable owing to zonal outage or memory shortage in an instance. However, as protocol, the organization must frequently test whether these regular backups are configured. Which tool's high availability settings must be checked for this?

- A. MySQL Database
- B. Always on Availability Groups (AGs)
- C. SQL Server Database Mirroring (DBM)
- D. Google Cloud SQL

Answer: D

NEW QUESTION 40

Elaine Grey has been working as a senior cloud security engineer in an IT company that develops software and applications related to the financial sector. Her organization would like to extend its storage capacity and automate disaster recovery workflows using a VMware private cloud. Which of the following storage options can be used by Elaine in the VMware virtualization environment to connect a VM directly to a LUN and access it from SAN?

- A. File Storage
- B. Object Storage
- C. Raw Storage
- D. Ephemeral Storage

Answer: C

NEW QUESTION 45

In a tech organization's cloud environment, an adversary can rent thousands of VM instances for launching a DDoS attack. The criminal can also keep secret documents such as terrorist and illegal money transfer docs in the cloud storage. In such a situation, when a forensic investigation is initiated, it involves several stakeholders (government members, industry partners, third-parties, and law enforcement). In this scenario, who acts as the first responder for the security issue on the cloud?

- A. Incident Handlers
- B. External Assistance
- C. Investigators
- D. IT Professionals

Answer: A

NEW QUESTION 46

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 50

Kenneth Danziger has been working as a cloud security engineer in a multinational company. His organization uses AWS cloud-based services. Kenneth would like to review the changes in configuration and the relationships between AWS resources, examine the detailed resource configuration history, and determine the overall compliance of his organization against the configurations specified in internal guidelines. Which of the following AWS services enables Kenneth to assess, audit, and evaluate the configuration of AWS resources?

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

Answer: C

NEW QUESTION 54

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 56

Steven Smith has been working as a cloud security engineer in an MNC for the past 4 years. His organization uses AWS cloud-based services. Steven handles a complex application on AWS that has several resources and it is difficult for him to manage these resources. Which of the following AWS services allows Steven to make a set of related AWS resources easily and use or provision them in an orderly manner so that he can spend less time managing resources and more time on the applications that run in the AWS environment?

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

Answer: A

NEW QUESTION 57

Jimmi Simpson has been working as a cloud security engineer in an IT company situated in Uvon. Michigan. His organization uses Microsoft Azure's cloud-based services. Jimmi wants a cloud-based, scalable SIEM and SOAR solution that uses threat intelligence and provides intelligent security analytics across his organization. Which of the following Microsoft Azure services provides a single solution for threat visibility, alert detection, threat response, and proactive hunting that reduces the number of attacks, provides a birds-eye view across the organization, generates high volumes of alerts, and ensures long resolution time frames?

- A. Anomaly Detector
- B. Application Insights
- C. Azure Sentinel
- D. Cloud App Security

Answer: C

NEW QUESTION 60

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 65

A client wants to restrict access to its Google Cloud Platform (GCP) resources to a specified IP range by making a trust-list. Accordingly, the client limits GCP access to users in its organization network or grants company auditors access to a requested GCP resource only. Which of the following GCP services can help the client?

- A. Cloud IDS
- B. VPC Service Controls
- C. Cloud Router
- D. Identity and Access Management

Answer: B

NEW QUESTION 70

Teresa Palmer has been working as a cloud security engineer in a multinational company. Her organization contains a huge amount of data; if these data are transferred to AWS S3 through the internet, it will take weeks. Teresa's organization does not want to spend money on upgrading its internet to a high-speed internet connection. Therefore, Teresa has been sending large amounts of backup data (terabytes to petabytes) to AWS from on-premises using a physical device, which was provided by Amazon. The data in the physical device are imported and exported from and to AWS S3 buckets. This method of data transfer is cost-effective, secure, and faster than the internet for her organization. Based on the given information, which of the following AWS services is being used by Teresa?

- A. AWS Elastic Beanstalk
- B. AWS Storage Gateway Volumes
- C. AWS Storage Gateway Tapes
- D. AWS Snowball

Answer: D

NEW QUESTION 74

Tom Holland works as a cloud security engineer in an IT company located in Lansing, Michigan. His organization has adopted cloud-based services wherein user access, application, and data security are the responsibilities of the organization, and the OS, hypervisor, physical, infrastructure, and network security are the responsibilities of the cloud service provider. Based on the aforementioned cloud security shared responsibilities, which of the following cloud computing service models is enforced in Tom's organization?

- A. Infrastructure-as-a-Service
- B. Platform-as-a-Service
- C. On-Premises
- D. Software-as-a-Service

Answer: B

NEW QUESTION 75

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 77

An organization wants to implement a zero-trust access model for its SaaS application on the GCP as well as its on-premises applications. Which of the following GCP services can be used to eliminate the need for setting up a company-wide VPN and implement the RBAC feature to verify employee identities to access organizational applications?

- A. Cloud Endpoints
- B. Identity-Aware Proxy (IAP)
- C. Cloud Security Scanner
- D. Web Application and API Protection

Answer: B

NEW QUESTION 78

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 82

YourTrustedCloud is a cloud service provider that provides cloud-based services to several multinational companies. The organization adheres to various frameworks and standards. YourTrustedCloud stores and processes credit card and payment-related data in the cloud environment and ensures the security of transactions and the credit card processing system. Based on the given information, which of the following standards does YourTrustedCloud adhere to?

- A. CLOUD
- B. FERPA
- C. GLBA
- D. PCI DSS

Answer: D

NEW QUESTION 83

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 86

The tech giant TSC uses cloud for its operations. As a cloud user, it should implement an effective risk management lifecycle to measure and monitor high and critical risks regularly. Additionally, TSC should define what exactly should be measured and the acceptable variance to ensure timely mitigated risks. In this case, which of the following can be used as a tool for cloud risk management?

- A. Information System Audit and Control Association
- B. Cloud Security Alliance
- C. Committee of Sponsoring Organizations
- D. CSA CCM Framework

Answer: D

NEW QUESTION 88

SecureSoft IT Pvt. Ltd. is an IT company located in Charlotte, North Carolina, that develops software for the healthcare industry. The organization generates a

tremendous amount of unorganized data such as video and audio files. Kurt recently joined SecureSoft IT Pvt. Ltd. as a cloud security engineer. He manages the organizational data using NoSQL databases. Based on the given information, which of the following data are being generated by Kurt's organization?

- A. Metadata
- B. Structured Data
- C. Unstructured Data
- D. Semi-Structured Data

Answer: C

NEW QUESTION 91

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 95

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 100

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 101

Shell Solutions Pvt. Ltd. is an IT company that develops software products and services for BPO companies. The organization became a victim of a cybersecurity attack. Therefore, it migrated its applications and workloads from on-premises to a cloud environment. Immediately, the organization established an incident response team to prevent such incidents in the future. Using intrusion detection system and antimalware software, the incident response team detected a security incident and mitigated the attack. The team recovered the resources from the incident and identified various vulnerabilities and flaws in their cloud environment. Which step of the incident response lifecycle includes the lessons learned from previous attacks and analyzes and documents the incident to understand what should be improved?

- A. Analysis
- B. Post-mortem
- C. Coordination and Information Sharing
- D. Preparation

Answer: B

NEW QUESTION 103

An organization wants to detect its hidden cloud infrastructure by auditing its cloud environment and resources such that it shuts down unused/unwanted workloads, saves money, minimizes security risks, and optimizes its cloud inventory. In this scenario, which standard is applicable for cloud security auditing that enables the management of customer data?

- A. Cloud Security Alliance
- B. ISO 27001 & 27002
- C. SOC2
- D. NIST SP800-53 rev 4

Answer: B

NEW QUESTION 104

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 107

SecureInfo Pvt. Ltd. has deployed all applications and data in the AWS cloud. The security team of this organization would like to examine the health of the organization's website regularly and switch (or failover) to a backup site if the primary website becomes unresponsive. Which of the following AWS services can provide DNS failover capabilities and health checks to ensure the availability of the organization's website?

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

Answer: C

NEW QUESTION 111

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 112

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 116

SeaCloud Soft Pvt. Ltd. is an IT company that develops software and applications related to the healthcare industry. To safeguard the data and applications against the organization did not trust the cloud service attackers, the organization adopted cloud computing. provider; therefore, it implemented an encryption technique that secures data during communication and storage. SeaCloud Soft Pvt. Ltd. performed computation on the encrypted data and then sent the data to the cloud service provider. Based on the given information, which of the following encryption techniques was implemented by SeaCloud Soft Pvt. Ltd.?

- A. Ciphertext attribute based encryption
- B. Fully homomorphic encryption
- C. Key policy attribute-based encryption
- D. Identity-based encryption

Answer: B

NEW QUESTION 119

Rebecca Mader has been working as a cloud security engineer in an IT company located in Detroit, Michigan. Her organization uses AWS cloud-based services. An application is launched by a developer on an EC2 instance that needs access to the S3 bucket (photos). Rebecca created a get-pics service role and attached it to the EC2 instance. This service role comprises a permission policy that allows read-only access to the S3 bucket and a trust policy that allows the instance to assume the role and retrieve temporary credentials. The application uses the temporary credentials of the role to access the photo bucket when it runs on the instance. Does the developer need to share or manage credentials or does the admin need to grant permission to the developer to access the photo bucket?

- A. No, the developer never has to share or manage credentials, but the admin has to grant permission to the developer to access the photo bucket
- B. Yes, the developer has to share or manage credentials, but the admin does not have to grant permission to the developer to access the photo bucket
- C. Yes, the developer should share or manage credentials and the admin should grant permission to the developer to access the photo bucket
- D. No, the developer never has to share or manage credentials and the admin does not have to grant permission to the developer to access the photo bucket

Answer: D

NEW QUESTION 121

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 124

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 127

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 129

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 132

Rachael Taylor works as a cloud security engineer in CyTech Private Ltd whose previous cloud service provider used to levy high charges for resource utilization. Rachael would like to check resource utilization to identify resources that are not in use, but the cloud service provider did not have the provision that allows cloud consumers to view resource utilization. Because AWS provides various cloud-based services, including resource utilization and a secure environment to cloud consumers, her organization adopted AWS cloud-based services. Rachael would like to view operational performance, resource utilization, and overall demand patterns, including metrics such as disk reads and writes, CPU utilization, and network traffic. Which of the following AWS services fulfills Rachael's requirements?

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

Answer: A

NEW QUESTION 137

A cloud organization, AZS, wants to maintain homogeneity in its cloud operations because the CPU speed measured by AZS varies and the measurement units lack consistency in the standards. For example, AWS defines the CPU speed with Elastic Compute Unit, Google with Google Compute Engine Unit, and Microsoft with clock speed. Here, which cloud computing standard can leverage frameworks and architectures specific to the cloud for maintaining homogeneity in operations?

- A. occ

- B. DMTF
- C. NIST
- D. CSA

Answer: B

NEW QUESTION 138

The e-commerce platform 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 143

Cindy Williams has been working as a cloud security engineer in an IT company situated in Austin, Texas. Owing to the robust security and cost-effective features provided by AWS, her organization adopted AWS cloud-based services. Cindy has deployed an application in the Amazon Elastic Compute Cloud (EC2) instance. Which of the following cloud computing service model does the Amazon EC2 instance represent?

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

Answer: B

NEW QUESTION 146

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 149

TeratInfo Pvt. Ltd. is an IT company that develops software products and applications for financial organizations. Owing to the cost-effective storage features and robust services provided by cloud computing, TeratInfo Pvt. Ltd. adopted cloud-based services. Recently, its security team observed a dip in the organizational system performance. Susan, a cloud security engineer, reviewed the list of publicly accessible resources, security groups, routing tables, ACLs, subnets, and IAM policies. What is this process called?

- A. Checking audit and evidence-gathering features in the cloud service
- B. Checking for the right implementation of security management
- C. Testing for virtualization management security
- D. Performing cloud reconnaissance

Answer: D

NEW QUESTION 152

Richard Harris works as a senior cloud security engineer in a multinational company. His organization uses Microsoft Azure cloud-based services. Richard would like to manage, control, and monitor the access to important resources in his organization. Which service in Azure AD can enable Richard to manage, control, and monitor the access to resources in Azure AD and other Microsoft online services such as Microsoft Intune or Microsoft 365?

- A. Privileged Identity Management
- B. Federated Identity Management
- C. Privileged Access Management
- D. System for Cross-Domain Identity Management

Answer: A

NEW QUESTION 157

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 161

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 166

Teresa Ruiz works as a cloud security engineer in an IT company. In January 2021, the data deployed by her in the cloud environment was corrupted, which caused a tremendous loss to her organization. Therefore, her organization changed its cloud service provider. After deploying the workload and data in the new service provider's cloud environment, Teresa backed up the entire data of her organization. A new employee, Barbara Houston, who recently joined Teresa's organization as a cloud security engineer, only backed up those files that changed since the last executed backup. Which type of backup was performed by Barbara in the cloud?

- A. Partial Backup
- B. Full Backup
- C. Incremental Backup
- D. Differential Backup

Answer: C

NEW QUESTION 171

A private IT company named Altitude Solutions conducts its operations from the cloud. The company wants to balance the interests of corporate stakeholders (higher management, employees, investors, and suppliers) to achieve control on the cloud infrastructure and facilities (such as data centers) and management of applications at the portfolio level. Which of the following represents the adherence to the higher management directing and controlling activities at various levels of the organization in a cloud environment?

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

Answer: B

NEW QUESTION 175

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 176

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 179

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 182

Allen Smith works as a cloud security engineer in a multinational company. Using an intrusion detection system, the incident response team of this company identified that an attacker has been continuously attacking the organization's AWS services. The team leader asked Allen to track the changes made to AWS resources and perform security analysis. Which AWS service can provide the AWS API call history for AWS accounts, including calls made via the AWS Management Console or Command Line tools, AWS Software Development Kits, and other AWS services to Allen?

- A. Amazon CloudFront
- B. AWS CloudFormation
- C. Amazon CloudTrail
- D. Amazon CloudWatch

Answer: C

NEW QUESTION 185

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