

Exam Questions CLF-C02

AWS Certified Cloud Practitioner

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NEW QUESTION 1

- (Exam Topic 1)

A developer is working on enhancing applications at AWS. The developer needs a service that can securely host GitHub-based code, repositories, and version controls. Which AWS service should the developer use?

- A. AWS CodeStar
- B. Amazon CodeGuru
- C. AWS CodeCommit
- D. AWS CodePipeline

Answer: C

NEW QUESTION 2

- (Exam Topic 1)

A company is using AWS Lambda. Which task is the company's responsibility, according to the AWS shared responsibility model?

- A. Update the Lambda runtime language.
- B. Maintain the runtime environment.
- C. Maintain the networking infrastructure.
- D. Configure the resource.

Answer: A

Explanation:

<https://aws.amazon.com/lambda/security-overview-of-aws-lambda/> When customers use AWS Lambda, AWS manages the underlying infrastructure and foundation services, the operating system, and the application platform. Customers themselves are responsible for the security of their code, the storage and accessibility of sensitive data, and identity and access management (IAM) to the Lambda service and within their function.

NEW QUESTION 3

- (Exam Topic 1)

A company wants to improve the overall availability and performance of its applications that are hosted on AWS. Which AWS service should the company use?

- A. Amazon Connect
- B. Amazon Lightsail
- C. AWS Global Accelerator
- D. AWS Storage Gateway

Answer: C

NEW QUESTION 4

- (Exam Topic 1)

A company wants to migrate its on-premises Microsoft SQL Server database server to the AWS Cloud. The company has decided to use Amazon EC2 instances to run this database.

Which of the following is the company responsible for managing, according to the AWS shared responsibility model?

- A. EC2 hypervisor
- B. Security patching of the guest operating system
- C. Network connectivity of the host server
- D. Uptime service level agreement (SLA) for the EC2 instances

Answer: B

NEW QUESTION 5

- (Exam Topic 1)

Which tasks are responsibilities of AWS, according to the AWS shared responsibility model? (Select TWO.)

- A. Encrypt client-side data and authenticate data integrity.
- B. Manage customer data.
- C. Perform identity and access management.
- D. Provide physical security for Availability Zones.
- E. Patch the operating system of Amazon S3

Answer: AD

NEW QUESTION 6

- (Exam Topic 1)

Which AWS service supports the analysis, investigation, and identification of the root cause of security events and suspicious activities in an AWS account?

- A. Amazon Inspector
- B. Amazon Macie
- C. Amazon Detective
- D. Amazon CloudWatch

Answer: C

Explanation:

Amazon Detective makes it easy to analyze, investigate, and quickly identify the root cause of potential security issues or suspicious activities. Ref : <https://aws.amazon.com/it/detective/features/#:~:text=Amazon%20Detective%20makes%20it%20easy,security>

NEW QUESTION 7

- (Exam Topic 1)

A company plans to launch an application that will run in multiple locations within the United States. The company needs to identify the two AWS Regions where the application can operate at the lowest price. Which AWS service or feature should the company use to determine the Regions that offer the lowest price?

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Trusted Advisor
- D. AWS Pricing Calculator

Answer: C

Explanation:

<https://aws.amazon.com/premiumsupport/technology/trusted-advisor/>

NEW QUESTION 8

- (Exam Topic 1)

Which controls are shared under the AWS shared responsibility model? (Select TWO.)

- A. Awareness and training
- B. Patching of Amazon RDS
- C. Configuration management
- D. Physical and environmental controls
- E. Service and communications protection or security

Answer: AC

Explanation:

In the AWS shared security model, a shared control, AWS provides the requirements for the infrastructure and the customer must provide their own control implementation within their use of AWS services.

Examples of shared controls include:

*Patch Management – AWS is responsible for patching and fixing flaws within the infrastructure, but customers are responsible for patching their guest OS and applications.

*Configuration Management – AWS maintains the configuration of its infrastructure devices, but a customer is responsible for configuring their own guest operating systems, databases, and applications.

*Awareness & Training – AWS trains AWS employees, but a customer must train their own employees. Customer Specific – Controls which are solely the responsibility of the customer based on the application they are deploying within AWS services.

Examples of customer specific controls include:

*Service and Communications Protection or Zone Security which may require a customer to route or zone data within specific security environments.

NEW QUESTION 9

- (Exam Topic 1)

Which AWS service can be used to provide an on-demand, cloud-based contact center?

- A. AWS Direct Connect
- B. Amazon Connect
- C. AWS Support Center
- D. AWS Managed Services

Answer: B

Explanation:

<https://aws.amazon.com/connect/>

NEW QUESTION 10

- (Exam Topic 1)

Which pillar of the AWS Well-Architected Framework includes the continual improvement of processes and procedures as a priority?

- A. Cost optimization
- B. Reliability
- C. Performance efficiency
- D. Operational excellence

Answer: B

NEW QUESTION 10

- (Exam Topic 1)

A company needs to run an application on Amazon EC2 instances. The instances cannot be interrupted at any time. The company needs an instance purchasing option that requires no long-term commitment or upfront payment. Which instance purchasing option will meet these requirements MOST cost-effectively ?

- A. On-Demand Instances
- B. Spot Instances
- C. Dedicated Hosts
- D. Reserved Instances

Answer: A

NEW QUESTION 13

- (Exam Topic 1)

Which AWS benefit enables users to deploy cloud infrastructure that consists of multiple geographic regions connected by a network with low latency, high throughput, and redundancy?

- A. Economies of scale
- B. Security
- C. Elasticity
- D. Global reach

Answer: C

Explanation:

The AWS Global Cloud Infrastructure is the most secure, extensive, and reliable cloud platform, offering over 200 fully featured services from data centers globally. Whether you need to deploy your application workloads across the globe in a single click, or you want to build and deploy specific applications closer to your end-users with single-digit millisecond latency, AWS provides you the cloud infrastructure where and when you need it.

NEW QUESTION 14

- (Exam Topic 1)

A company needs real-time guidance to follow AWS best practices to save money, improve system performance, and close security gaps. Which AWS service should the company use?

- A. Amazon GuardDuty
- B. AWS Trusted Advisor
- C. AWS Management Console
- D. AWS Systems Manager

Answer: B

Explanation:

AWS Trusted Advisor provides recommendations that help you follow AWS best practices. Trusted Advisor evaluates your account by using checks.

NEW QUESTION 16

- (Exam Topic 1)

A company wants to expand from one AWS Region into a second AWS Region. What does the company need to do to expand into the second Region?

- A. Contact an AWS account manager to sign a new contract.
- B. Move an Availability Zone to the second Region.
- C. Begin to deploy resources in the second Region.
- D. Download the AWS Management Console for the second Region.

Answer: C

NEW QUESTION 19

- (Exam Topic 1)

A company runs applications that process credit card information. Auditors have asked if the AWS environment has changed since the previous audit. If the AWS environment has changed, the auditors want to know how it has changed. Which AWS services can provide this information? (Select TWO.)

- A. AWS Artifact
- B. AWS Trusted Advisor
- C. AWS Config
- D. AWS Cloud Trail
- E. AWS Identity and Access Management (IAM)

Answer: CD

Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements.

AWS Trusted Advisor provides recommendations that help you follow AWS best practices. Trusted Advisor evaluates your account by using checks. These checks identify ways to optimize your AWS infrastructure, improve security and performance, reduce costs, and monitor service quotas.

AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources. Config continuously monitors and records your AWS resource configurations and allows you to automate the evaluation of recorded configurations against desired configurations.

AWS CloudTrail enables auditing, security monitoring, and operational troubleshooting by tracking user activity and API usage. CloudTrail logs, continuously monitors, and retains account activity related to actions across your AWS infrastructure, giving you control over storage, analysis, and remediation actions.

AWS Identity and Access Management (IAM) provides fine-grained access control across all of AWS. With IAM, you can specify who can access which services and resources, and under which conditions. With IAM policies, you manage permissions to your workforce and systems to ensure least-privilege permissions.

NEW QUESTION 22

- (Exam Topic 1)

Which AWS service or tool lists all the users in an account and reports on the status of account details, including passwords, access keys, and multi-factor authentication (MFA) devices?

- A. WS Shield
- B. AWS Trusted Advisor
- C. Amazon Inspector

D. IAM credential report

Answer: D

Explanation:

You can generate and download a credential report that lists all users in your account and the status of their various credentials, including passwords, access keys, and MFA devices. You can get a credential report from the AWS Management Console, the AWS SDKs and Command Line Tools, or the IAM API.

NEW QUESTION 26

- (Exam Topic 1)

Which of the following are characteristics of AWS WAF? (Select TWO.)

- A. Acts as a firewall that controls inbound and outbound traffic between Amazon EC2 instances
- B. Acts as a firewall that controls inbound and outbound traffic between subnets
- C. Gives users the ability to block traffic that has specific HTTP headers
- D. Protects websites that are not hosted on AWS
- E. Scans Amazon EC2 instances for common vulnerabilities

Answer: BC

Explanation:

AWS WAF lets you create rules to filter web traffic based on conditions that include IP addresses, HTTP headers and body, or custom URIs. This gives you an additional layer of protection from web attacks that attempt to exploit vulnerabilities in custom or third party web applications. In addition, AWS WAF makes it easy to create rules that block common web exploits like SQL injection and cross site scripting.

AWS WAF allows you to create a centralized set of rules that you can deploy across multiple websites. This means that in an environment with many websites and web applications you can create a single set of rules that you can reuse across applications rather than recreating that rule on every application you want to protect.

NEW QUESTION 31

- (Exam Topic 1)

A company needs to use machine learning and pattern matching to identify and protect sensitive data that the company stores in the AWS Cloud. Which AWS service will meet these requirements?

- A. Amazon Inspector
- B. Amazon Macie
- C. Amazon GuardDuty
- D. AWS Audit Manager

Answer: B

Explanation:

Amazon Macie is a fully managed data security and data privacy service that uses machine learning and pattern matching to discover and protect your sensitive data in AWS.

NEW QUESTION 34

- (Exam Topic 1)

Which combination of steps will enable multi-factor authentication (MFA) on an AWS account? (Select TWO.)

- A. Contact AWS Support to initiate MFA activation.
- B. Activate AWS Shield on an MFA-compatible device.
- C. Acquire an MFA-compatible device.
- D. Activate the MFA device by using Amazon GuardDuty.
- E. Activate the MFA device in the IAM console or by using the AWS CLI.

Answer: BC

Explanation:

AWS Multi-Factor Authentication (MFA) is a simple best practice that adds an extra layer of protection on top of your user name and password. With MFA enabled, when a user signs in to an AWS website, they will be prompted for their user name and password (the first factor—what they know), as well as for an authentication response from their AWS MFA device (the second factor—what they have). Taken together, these multiple factors provide increased security for your AWS account settings and resources.

NEW QUESTION 38

- (Exam Topic 1)

A company wants to secure its consumer web application by using SSL/TLS to encrypt traffic. Which AWS service can the company use to meet this goal?

- A. AWS WAF
- B. AWS Shield
- C. Amazon VPC
- D. AWS Certificate Manager (ACM)

Answer: D

Explanation:

To enable HTTPS connections to your website or application in AWS, you need an SSL/TLS server certificate. For certificates in a Region supported by AWS Certificate Manager (ACM), we recommend that you use ACM to provision, manage, and deploy your server certificates.

NEW QUESTION 43

- (Exam Topic 1)

Which pillar of the AWS Well-Architected Framework includes the continual improvement of processes and procedures as a priority?

- A. Cost optimization
- B. Reliability
- C. Performance efficiency
- D. Operational excellence

Answer: C

NEW QUESTION 48

- (Exam Topic 1)

Which of the following is a way to use Amazon EC2 Auto Scaling groups to scale capacity in the AWS Cloud?

- A. Scale the number of EC2 instances in or out automatically, based on demand.
- B. Use serverless EC2 instances.
- C. Scale the size of EC2 instances up or down automatically, based on demand.
- D. Transfer unused CPU resources between EC2 instances.

Answer: A

NEW QUESTION 49

- (Exam Topic 1)

A company stores configuration files in an Amazon S3 bucket. These configuration files must be accessed by applications that are running on Amazon EC2 instances.

According to AWS security best practices, how should the company grant permissions to allow the applications to access the S3 bucket?

- A. Use the AWS account root user access keys.
- B. Use the AWS access key ID and the EC2 secret access key.
- C. Use an IAM role with the necessary permissions.
- D. Activate multi-factor authentication (MFA) and versioning on the S3 bucket.

Answer: C

NEW QUESTION 53

- (Exam Topic 1)

A company is reviewing the current costs of running its own infrastructure on premises. The company wants to compare these on-premises costs to the costs of running infrastructure in the AWS Cloud.

How should the company make this comparison?

- A. Review the AWS shared responsibility model.
- B. Audit existing software and hardware licensing costs.
- C. Analyze the AWS Well-Architected Framework.
- D. Use Migration Evaluator.

Answer: D

NEW QUESTION 54

- (Exam Topic 1)

Which AWS service or feature enables users to get one bill and easily track charges for multiple AWS accounts?

- A. AWS Organizations
- B. Cost Explorer
- C. AWS Trusted Advisor
- D. AWS Management Console

Answer: A

Explanation:

You can use the consolidated billing

feature in AWS Organizations to consolidate billing and payment for

multiple AWS accounts or multiple Amazon Internet Services Pvt. Ltd (AISPL) accounts. Every organization in AWS Organizations has a management account that pays the charges of all the member accounts.

NEW QUESTION 57

- (Exam Topic 1)

A company needs to deploy an Amazon EC2 instance and attach a storage mount for the operating system and application files. Which AWS service will meet these requirements?

- A. AWS Backup
- B. Amazon Elastic File System (Amazon EFS)
- C. Amazon S3
- D. Amazon Elastic Block Store (Amazon EBS)

Answer: D

NEW QUESTION 59

- (Exam Topic 1)

A company manages global applications that require static IP addresses.

Which AWS service would enable the company to improve the availability and performance of its applications?

- A. Amazon CloudFront
- B. AWS Global Accelerator
- C. Amazon S3 Transfer Acceleration
- D. Amazon API Gateway

Answer: B

Explanation:

AWS Global Accelerator provides you with a set of static IP addresses that can map to multiple application endpoints across AWS Regions, to improve redundancy.

NEW QUESTION 63

- (Exam Topic 1)

A company is using an Amazon RDS database to run reports that are input/output (I/O) intensive. Which AWS service can be used to improve the database performance?

- A. Amazon DynamoDB Accelerator (DAX)
- B. Amazon EMR
- C. Amazon ElastiCache
- D. Amazon Redshift

Answer: C

NEW QUESTION 68

- (Exam Topic 1)

A company needs to design an AWS disaster recovery plan to cover multiple geographic areas. Which action will meet this requirement?

- A. Configure multiple AWS accounts.
- B. Configure the architecture across multiple Availability Zones in an AWS Region.
- C. Configure the architecture across multiple AWS Regions.
- D. Configure the architecture among many edge locations.

Answer: C

NEW QUESTION 72

- (Exam Topic 1)

A company has a global website with static content.

Which AWS service will deliver the static content with low latency?

- A. AWS Lambda
- B. Amazon CloudFront
- C. Amazon EC2 Auto Scaling
- D. AWS Compute Optimizer

Answer: B

NEW QUESTION 74

- (Exam Topic 1)

Which service enables customers to audit API calls in their AWS accounts?

- A. AWS CloudTrail
- B. AWS Trusted Advisor
- C. Amazon Inspector
- D. AWS X-Ray

Answer: A

Explanation:

AWS Audit Manager is integrated with AWS CloudTrail, a service that provides a record of actions taken by a user, role, or an AWS service in Audit Manager. CloudTrail captures all API calls for Audit Manager as events.

NEW QUESTION 75

- (Exam Topic 1)

Which AWS service enables the decoupling and scaling of applications?

- A. Amazon Simple Queue Service (Amazon SQS)
- B. AWS Outposts
- C. Amazon S3
- D. Amazon Simple Email Service (Amazon SES)

Answer: A

Explanation:

Amazon Simple Queue Service (SQS) is a fully managed message queuing service that enables you to decouple and scale microservices, distributed systems, and serverless applications.

NEW QUESTION 79

- (Exam Topic 1)

Which of the following are design principles of the reliability pillar of the AWS Well-Architected Framework? (Select TWO.)

- A. Perform operations as code.
- B. Stop guessing capacity.
- C. Adopt serverless architecture whenever possible.
- D. Use build and deployment management systems.
- E. Make changes to infrastructure by using automation.

Answer: BE

NEW QUESTION 80

- (Exam Topic 1)

What is an AWS Region?

- A. A broad set of global, cloud-based products that include compute, storage, and databases
- B. A physical location around the world where data centers are clustered
- C. One or more discrete data centers with redundant power, networking, and connectivity
- D. A service that developers use to build applications that deliver latencies of single-digit milliseconds to users

Answer: B

Explanation:

AWS has the concept of a Region, which is a physical location around the world where we cluster data centers. We call each group of logical data centers an Availability Zone. Each AWS Region consists of multiple, isolated, and physically separate AZs within a geographic area.

NEW QUESTION 84

- (Exam Topic 1)

Which AWS service provides alerts when an AWS event may impact a company's AWS resources?

- A. AWS Personal Health Dashboard
- B. AWS Service Health Dashboard
- C. AWS Trusted Advisor
- D. AWS Infrastructure Event Management

Answer: C

NEW QUESTION 88

- (Exam Topic 1)

Which service is an AWS in-memory data store service?

- A. Amazon Aurora
- B. Amazon RDS
- C. Amazon DynamoDB
- D. Amazon ElastiCache

Answer: D

NEW QUESTION 93

- (Exam Topic 1)

A company is using Amazon RDS.

Which task is the company's responsibility, according to the AWS shared responsibility model?

- A. Apply encryption options for the database.
- B. Manage the underlying server hardware on which Amazon RDS runs.
- C. Apply patches to the underlying operating system.
- D. Apply minor patches to the database.

Answer: A

NEW QUESTION 97

- (Exam Topic 1)

A company's system administrator discovers that someone logged in to the company's AWS account during the weekend and terminated an Amazon EC2 instance

Which AWS service should the system administrator use to identify who made this change?

- A. Amazon Inspector
- B. Amazon Pinpoint
- C. AWS CloudTrail
- D. AWS Trusted Advisor

Answer: C

NEW QUESTION 99

- (Exam Topic 1)

A company's on-premises application deployment cycle was 3-4 weeks. After migrating to the AWS Cloud, the company can deploy the application in 2-3 days. Which benefit has this company experienced by moving to the AWS Cloud?

- A. Elasticity
- B. Flexibility
- C. Agility
- D. Resilience

Answer: C

Explanation:

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

NEW QUESTION 103

- (Exam Topic 1)

A company plans to create a data lake that uses Amazon S3. Which factor will have the MOST effect on cost?

- A. The selection of S3 storage tiers
- B. Charges to transfer existing data into Amazon S3
- C. The addition of S3 bucket policies
- D. S3 ingest fees for each request

Answer: B

NEW QUESTION 108

- (Exam Topic 1)

A company wants to analyze streaming user data and respond to customer queries in real time. Which AWS service can meet these requirements?

- A. Amazon QuickSight
- B. Amazon Redshift
- C. Amazon Kinesis Data Analytics
- D. AWS Data Pipeline

Answer: C

Explanation:

Amazon Kinesis is the AWS service that makes it easy to collect, process, and analyze such real-time, streaming data with four different capabilities: Kinesis Data Streams: Enables ingesting, buffering, and custom processing of your streaming data.

NEW QUESTION 111

- (Exam Topic 1)

A company is moving its on-premises NoSQL database to the AWS Cloud Which AWS service should the company use for the NoSQL database?

- A. Amazon Redshift
- B. Amazon RDS for MySQL
- C. Amazon Quantum Ledger Database (Amazon QLDB)
- D. Amazon DynamoDB

Answer: D

NEW QUESTION 116

- (Exam Topic 1)

A system automatically recovers from failure when a company launches its workload on the AWS Cloud services platform. Which pillar of the AWS Well-Architected Framework does this situation demonstrate?

- A. Reliability
- B. Cost optimization
- C. Performance efficiency
- D. Operational excellence.

Answer: A

Explanation:

<https://aws.amazon.com/blogs/apn/the-6-pillars-of-the-aws-well-architected-framework/>

Built around six pillars—operational excellence, security, reliability, performance efficiency, cost optimization, and sustainability—AWS Well-Architected provides a consistent approach for customers and partners to evaluate architectures and implement scalable designs.

Reliability

The Reliability pillar encompasses the ability of a workload to perform its intended function correctly and consistently when it's expected to. This includes the ability to operate and test the workload through its total lifecycle. You can find prescriptive guidance on implementation in the Reliability Pillar whitepaper.

NEW QUESTION 118

- (Exam Topic 1)

Which of the following is an AWS key-value database offering consistent single-digit millisecond performance at any scale?

- A. Amazon RDS
- B. Amazon Aurora
- C. Amazon DynamoDB
- D. Amazon Redshift

Answer: B

Explanation:

Amazon DynamoDB is designed to provide consistent single-digit millisecond latency for any scale of workloads. This consistent performance is a big part of why the Snapchat Stories feature, which includes Snapchat's largest storage write workload, moved to DynamoDB.

NEW QUESTION 119

- (Exam Topic 1)

A company needs to schedule the rotation of database credentials in the AWS Cloud. Which AWS service should the company use to perform this task?

- A. AWS Identity and Access Management (IAM)
- B. AWS Managed Services (AMS)
- C. Amazon RDS
- D. AWS Secrets Manager

Answer: D

Explanation:

AWS Secrets Manager makes it easier to rotate, manage, and retrieve database credentials, API keys, and other secrets throughout their lifecycle. The key features of this service include the ability to:

- * 1. Secure and manage secrets centrally. You can store, view, and manage all your secrets centrally. By default, Secrets Manager encrypts these secrets with encryption keys that you own and control. You can use fine-grained IAM policies or resource-based policies to control access to your secrets. You can also tag secrets to help you discover, organize, and control access to secrets used throughout your organization.
- * 2. Rotate secrets safely. You can configure Secrets Manager to rotate secrets automatically without disrupting your applications. Secrets Manager offers built-in integrations for rotating credentials for all Amazon RDS databases (MySQL, PostgreSQL, Oracle, Microsoft SQL Server, MariaDB, and Amazon Aurora.) You can also extend Secrets Manager to meet your custom rotation requirements by creating an AWS Lambda function to rotate other types of secrets.
- * 3. Transmit securely. Secrets are transmitted securely over Transport Layer Security (TLS) protocol 1.2. You can also use Secrets Manager with Amazon Virtual Private Cloud (Amazon VPC) endpoints powered by AWS PrivateLink to keep this communication within the AWS network and help meet your compliance and regulatory requirements to limit public internet connectivity.
- * 4. Pay as you go. Pay for the secrets you store in Secrets Manager and for the use of these secrets; there are no long-term contracts, licensing fees, or infrastructure and personnel costs. For example, a typical production-scale web application will generate an estimated monthly bill of \$6. If you follow along the instructions in this blog post, your estimated monthly bill for Secrets Manager will be \$1. Note: you may incur additional charges for using Amazon RDS and Amazon Lambda, if you've already consumed the free tier for these services.

Now that you're familiar with Secrets Manager features, I'll show you how to store and automatically rotate credentials for an Oracle database hosted on Amazon RDS. I divided these instructions into three phases:

- * 1. Phase 1: Store and configure rotation for the superuser credential
- * 2. Phase 2: Store and configure rotation for the application credential
- * 3. Phase 3: Retrieve the credential from Secrets Manager programmatically

NEW QUESTION 121

- (Exam Topic 1)

Which characteristic of the AWS Cloud helps users eliminate underutilized CPU capacity?

- A. Agility
- B. Elasticity
- C. Reliability
- D. Durability

Answer: B

NEW QUESTION 124

- (Exam Topic 1)

Which AWS service or feature enables users to block the incoming or outgoing traffic associated with specific IP addresses flowing through a VPC?

- A. Network ACLs
- B. Security groups
- C. AWS Identity and Access Management (IAM)
- D. AWS WAF

Answer: D

Explanation:

To allow or block specific IP addresses for your EC2 instances, use Network Access Control List (ACL) or security group rules in your VPC. Network ACLs and security group rules act as firewalls allowing or blocking IP addresses from accessing your resources

NEW QUESTION 128

- (Exam Topic 1)

A company is undergoing a security audit. The audit includes security validation and compliance validation of the AWS infrastructure and services that the company uses. The auditor needs to locate compliance-related information and must download AWS security and compliance documents. These documents include the System and Organization Control (SOC) reports.

Which AWS service or group can provide these documents?

- A. AWS Abuse team
- B. AWS Artifact
- C. AWS Support
- D. AWS Config

Answer: B

Explanation:

• Portal that provides customers with on-demand access to AWS compliance documentation and AWS agreements • Artifact Reports - Allows you to download AWS security and compliance documents from third-party auditors, like AWS ISO certifications, Payment Card Industry (PCI), and System and Organization Control (SOC) reports • Artifact Agreements - Allows you to review, accept, and track the status of AWS agreements such as the Business Associate Addendum (BAA) or the Health Insurance Portability and Accountability Act (HIPAA) for an individual account or in your organization • Can be used to support internal audit or compliance

NEW QUESTION 132

- (Exam Topic 1)

Which of the following describes some of the core functionality of Amazon S3?

- A. Amazon S3 is a high-performance block storage service that is designed for use with Amazon EC2
- B. Amazon S3 is an object storage service that provides high-level performance, security, scalability, and data availability.
- C. Amazon S3 is a fully managed, highly reliable, and scalable file storage system that is accessible over the industry-standard SMB protocol.
- D. Amazon S3 is a scalable, fully managed elastic NFS for use with AWS Cloud services and on-premises resources.

Answer: B

Explanation:

Amazon S3 is object storage built to store and retrieve any amount of data from anywhere. It's a simple storage service that offers industry leading durability, availability, performance, security, and virtually unlimited scalability at very low costs.

NEW QUESTION 136

- (Exam Topic 1)

Which AWS service decouples application components so that the components run independently?

- A. Amazon Simple Notification Service (Amazon SNS)
- B. Amazon Simple Workflow Service (Amazon SWF)
- C. AWS Glue
- D. Amazon Simple Queue Service (Amazon SQS)

Answer: D

Explanation:

Amazon SQS is a fully managed message queuing service that makes it easy to decouple and scale microservices, distributed systems, and serverless applications. Amazon SQS lets you decouple application components so that they run and fail independently, increasing the overall fault tolerance of the system.

NEW QUESTION 139

- (Exam Topic 1)

A company needs steady and predictable performance from its Amazon EC2 instances at the lowest possible cost. The company also needs the ability to scale resources to ensure that it has the right resources available at the right time.

Which AWS service or resource will meet these requirements?

- A. Amazon CloudWatch
- B. Application Load Balancer
- C. AWS Batch
- D. Amazon EC2 Auto Scaling

Answer: D

Explanation:

AWS Auto Scaling monitors your applications and automatically adjusts capacity to maintain steady, predictable performance at the lowest possible cost.

NEW QUESTION 141

- (Exam Topic 1)

Which AWS service should a company use to decouple large monolithic applications into smaller microservices components?

- A. AWS Direct Connect
- B. Amazon Lightsail
- C. Amazon Simple Queue Service (Amazon SQS)
- D. Amazon CloudWatch

Answer: C

Explanation:

Amazon SQS is a fully managed message queuing service that makes it easy to decouple and scale microservices, distributed systems, and serverless applications

NEW QUESTION 144

- (Exam Topic 1)

Which of the following are advantages of the AWS Cloud? (Select TWO.)

- A. AWS management of user-owned infrastructure
- B. Ability to quickly change required capacity
- C. High economies of scale
- D. Increased deployment time to market
- E. Increased fixed expenses

Answer: BD

NEW QUESTION 149

- (Exam Topic 1)

A company is moving its office and must establish an encrypted connection to AWS. Which AWS service will help meet this requirement?

- A. AWS VPN
- B. Amazon Route 53
- C. Amazon API Gateway
- D. Amazon Connect

Answer: A

NEW QUESTION 151

- (Exam Topic 1)

A user is a new AWS account owner who has no special access requirements. What should this user do with the AWS account root user access keys?

- A. Share the keys with all relevant internal users so that those users can programmatically access AWS services.
- B. Post the keys on GitHub to provide development teams with access to AWS services.
- C. Use the keys for access, but do not share the keys with anyone.
- D. Delete the keys and create IAM users.

Answer: C

NEW QUESTION 155

- (Exam Topic 1)

A retail company is building a new mobile app. The company is evaluating whether to build the app at an on-premises data center or in the AWS Cloud. Which of the following are benefits of building this app in the AWS Cloud? (Select TWO.)

- A. A large, upfront capital expense and low variable expenses
- B. Increased speed for trying out new projects
- C. Complete control over the physical security of the infrastructure
- D. Flexibility to scale up in minutes as the application becomes popular
- E. Ability to pick the specific data centers that will host the application servers

Answer: AD

NEW QUESTION 157

- (Exam Topic 1)

Which of the following is the customer responsible for updating and patching, according to the AWS shared responsibility model?

- A. Amazon FSx for Windows File Server
- B. Amazon Workspaces virtual Windows desktop
- C. AWS Directory Service for Microsoft Active Directory
- D. Amazon RDS for Microsoft SQL Server

Answer: B

NEW QUESTION 159

- (Exam Topic 2)

A company is running a Microsoft SQL Server instance on premises and is migrating its application to AWS. The company lacks the resources needed to refactor the application but management wants to reduce operational overhead as part of the migration.

Which database service would MOST effectively support these requirements?

- A. Amazon DynamoDB
- B. Amazon Redshift
- C. Microsoft SQL Server on Amazon EC2
- D. Amazon RDS for SQL Server

Answer: D

NEW QUESTION 160

- (Exam Topic 2)

A system administrator notices that several Amazon EC2 instances have been terminated. The system administrator needs to identify the user or AWS API call that terminated these instances. Which AWS service should the system administrator use to meet this requirement?

- A. AWS Trusted Advisor
- B. AWS CloudTrail
- C. Amazon Inspector

D. Amazon Detective

Answer: B

NEW QUESTION 164

- (Exam Topic 2)

A company wants to provide managed Windows virtual desktops and applications to its remote employees over secure network connections. When AWS services can the company use to meet the requirements? (Select TWO.)

- A. Amazon Connect
- B. Amazon AppStream 2.0
- C. Amazon Workspaces
- D. AWS Site-to-Site VPN
- E. Amazon Elastic Container Service (Amazon ECS)

Answer: CD

NEW QUESTION 167

- (Exam Topic 2)

A company needs to automatically protect its Amazon EC2 instances from distributed denial of service (DDoS) attacks. Which AWS service or tool will provide this protection?

- A. Network access control list (ACL)
- B. AWS Shield
- C. Security group
- D. Amazon GuardDuty

Answer: B

NEW QUESTION 171

- (Exam Topic 2)

Which component of the AWS global infrastructure does Amazon CloudFront use to deliver content to end users with low latency?

- A. Edge locations
- B. AWS Regions
- C. Availability Zones
- D. AWS Direct Connect connections

Answer: A

NEW QUESTION 174

- (Exam Topic 2)

A company has stopped all of its Amazon EC2 instances but monthly billing charges continue to occur. What could be causing this? (Select TWO.)

- A. Amazon Elastic Block Store (Amazon EBS) storage charges
- B. Operating system charges
- C. Hardware charges
- D. Elastic IP charges
- E. Input/output (I/O) charges

Answer: AD

NEW QUESTION 176

- (Exam Topic 2)

What should a user do if the user loses an IAM secret access key?

- A. Retrieve the secret access key by using the IAM console.
- B. Create a new user with a new access key and a new secret access key.
- C. Rotate the secret access key.
- D. Request a new secret access key from AWS Support.

Answer: C

NEW QUESTION 180

- (Exam Topic 2)

A company's procurement department wants volume discounts on AWS services for the company but numerous departments have separate AWS accounts. Which AWS service or tool can the company use to receive volume discounts across multiple AWS accounts?

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage Report
- D. AWS Organizations

Answer: D

NEW QUESTION 181

- (Exam Topic 2)
Which AWS service adds speech-to-text capabilities to applications?

- A. Amazon Polly
- B. Amazon Textract
- C. Amazon Transcribe
- D. Amazon Comprehend

Answer: C

NEW QUESTION 184

- (Exam Topic 2)
A company is running a workload on AWS. The company wants to protect the workload from DDoS attacks. When AWS service will meet these requirements?

- A. AWS Identity and Access Management (IAM)
- B. AWS Shield
- C. Amazon VPC
- D. AWS Artifact

Answer: B

NEW QUESTION 186

- (Exam Topic 2)
A company is developing a new Node.js application. The application must have a scalable NoSQL database to meet increasing demand as the popularity of the application grows.
Which AWS services will meet the requirements for the database?

- A. Amazon Aurora Serverless
- B. Amazon ElastiCache
- C. Amazon DynamoDB
- D. Amazon Redshift

Answer: C

NEW QUESTION 188

- (Exam Topic 2)
Which AWS service can a company use to access compliance documentation and AWS agreements?

- A. AWS Security Hub
- B. AWS Identity and Access Management (IAM)
- C. AWS Artifact
- D. AWS Certificate Manager (ACM)

Answer: C

NEW QUESTION 189

- (Exam Topic 2)
A company that uses AWS needs to transfer 2 TB of data.
Which type of transfer of that data would result in no cost for the company?

- A. Inbound data transfer from the internet
- B. Outbound data transfer to the internet
- C. Data transfer between AWS Regions
- D. Data transfer between Availability Zones

Answer: B

NEW QUESTION 194

- (Exam Topic 2)
How does the AWS global infrastructure offer high availability and fault tolerance to its users?

- A. The AWS infrastructure is made up of multiple AWS Regions within various Availability Zones located in areas that have low flood risk and are interconnected with low-latency networks and redundant power supplies
- B. The AWS infrastructure consists of subnets containing various Availability Zones with multiple data centers located in the same geographic location
- C. AWS allows users to choose AWS Regions and data centers so that users can select the closest data centers in different Regions
- D. The AWS infrastructure consists of isolated AWS Regions with independent Availability Zones that are connected with low-latency networking and redundant power supplies

Answer: D

NEW QUESTION 198

- (Exam Topic 2)
A company has an on-premises Oracle database. The company spends a significant amount of time on database administration activities. The company is moving the database to AWS and needs to minimize the time that is required for these administration activities.
Which AWS service should the company use to meet this requirement?

- A. Amazon ElastiCache

- B. Amazon EC2
- C. Amazon RDS
- D. Amazon DynamoDB

Answer: C

NEW QUESTION 200

- (Exam Topic 2)

Which of the following does Amazon CloudFront use to distribute content to users around the world?

- A. Amazon VPC
- B. AWS Local Zones
- C. Edge locations
- D. Availability Zones

Answer: C

Explanation:

CloudFront delivers your content through a worldwide network of data centers called edge locations. The regional edge caches are located between your origin web server and the global edge locations that serve content directly to your viewers.

NEW QUESTION 201

- (Exam Topic 2)

A company is designing an application. For the data persistence layer, the company wants to use a NoSQL database. Which AWS service should the company use for the database?

- A. Amazon Redshift
- B. AWS DataSync
- C. Amazon Athena
- D. Amazon DynamoDB

Answer: D

NEW QUESTION 203

- (Exam Topic 2)

A company is using Amazon EC2 instances.

Which tasks are the company's responsibility, according to the AWS shared responsibility model? (Select TWO.)

- A. Maintain the network infrastructure.
- B. Patch the guest operating system.
- C. Configure a security group on deployed EC2 instances.
- D. Provide physical security for the underlying hardware Of the EC2 instances.
- E. Manage the underlying hypervisor.

Answer: DE

NEW QUESTION 204

- (Exam Topic 2)

A company is running a regulated Linux-based application. The application must run every Ft day horn 8 AM until midnight. The application is critical and cannot be interrupted Which Amazon EC2 instance purchasing option meets this requirement MOST cost-effectively?

- A. On-Demand Capacity Reservation with Savings Plan
- B. Spot instances
- C. Regional Reserved Instances
- D. Dedicated Hosts

Answer: A

NEW QUESTION 205

- (Exam Topic 2)

A company wants to push VPC Flow Logs to an Amazon S3 bucket.

Which action is the company's responsibility?

- A. Managing the infrastructure that runs the S3 bucket.
- B. Managing the data in transit.
- C. Managing the encryption options on the S3 bucket
- D. Managing the operating system updates on the S3 bucket

Answer: C

NEW QUESTION 207

- (Exam Topic 2)

A company is using AWS Lambda.

Which task is the company's responsibility, according to the AWS shared responsibility model?

- A. Update the Lambda runtime language
- B. Maintain the runtime environment

- C. Maintain the networking infrastructure
- D. Configure the resource

Answer: D

NEW QUESTION 212

- (Exam Topic 2)

A company is running multiple workloads in the AWS Cloud and recently began investigating ways to reduce costs. The company is already running fault-tolerant workloads on Amazon EC2 that perform periodic checkpoints in case of an outage. Which AWS service or pricing model can provide the GREATEST cost savings?

- A. Capacity Reservations
- B. Amazon Lightsail
- C. Spot Instances
- D. Dedicated Hosts

Answer: A

NEW QUESTION 213

- (Exam Topic 2)

A company has deployed its IT infrastructure in the AWS Cloud. The company's database must support reads with sub-millisecond latency. Which AWS service will meet this requirement?

- A. Amazon EMR
- B. Amazon RDS
- C. AWS Glue
- D. Amazon ElastiCache

Answer: D

NEW QUESTION 215

- (Exam Topic 2)

A user has an AWS account with a Business-level AWS Support plan and needs assistance with handling a production service disruption. Which action should the user take?

- A. Contact the dedicated AWS technical account manager (TAM).
- B. Contact the dedicated AWS Concierge Support team.
- C. Open a business-critical system down support case.
- D. Open a production system down support case.

Answer: C

NEW QUESTION 219

- (Exam Topic 2)

Which design principles of the AWS Well-Architected Framework help increase reliability? (Select TWO.)

- A. Automatically recover from failure.
- B. Enable traceability.
- C. Scale horizontally to increase workload availability.
- D. Automate security best practices.
- E. Keep people away from data.

Answer: AC

Explanation:

Reliability

The Reliability pillar encompasses the ability of a workload to perform its intended function correctly and consistently when it's expected to. This includes the ability to operate and test the workload through its total lifecycle. You can find prescriptive guidance on implementation in the Reliability Pillar whitepaper.

Design Principles

There are five design principles for reliability in the cloud:

- > Automatically recover from failure
- > Test recovery procedures
- > Scale horizontally to increase aggregate workload availability
- > Stop guessing capacity
- > Manage change in automation

<https://aws.amazon.com/blogs/apn/the-6-pillars-of-the-aws-well-architected-framework/>

NEW QUESTION 220

- (Exam Topic 2)

Which of the following are benefits that a company receives when it moves an on-premises internet-facing website to the AWS Cloud? (Select TWO.)

- A. Data that is stored in the AWS Cloud is automatically encrypted.
- B. Website capacity can expand or contract as website traffic changes.
- C. AWS automatically provides the company with the lowest-cost pricing model.
- D. The website shows up with higher priority in internet search engines
- E. The company can take advantage of the pay-as-you-go pricing model

Answer: BE

NEW QUESTION 223

- (Exam Topic 2)

Which AWS services are delivered globally instead of regionally? (Select TWO.)

- A. Amazon EC2
- B. Amazon CloudFront
- C. Amazon Route 53
- D. Amazon VPC
- E. Amazon RDS

Answer: BC

NEW QUESTION 224

- (Exam Topic 2)

A company has set up its IT infrastructure in the AWS Cloud. The company wants to receive detailed reports that break down AWS costs by the hour. The reports must be placed in an Amazon S3 bucket.

Which AWS tool will meet these requirements?

- A. AWS Cost and Usage Reports
- B. AWS Pricing Calculator
- C. Cost Explorer
- D. AWS Budgets

Answer: A

NEW QUESTION 229

- (Exam Topic 2)

Which actions is the responsibility of AWS under the AWS shared responsibility model (Select TWO.)

- A. Scanning AWS service endpoints for vulnerabilities
- B. Enabling encryption on an Amazon S3 bucket
- C. Configuring security group rules
- D. Enforcing application access restrictions
- E. Encrypting traffic on the AWS backbone between global and regional AWS facilities

Answer: AE

NEW QUESTION 233

- (Exam Topic 2)

A company wants to organize its users so that the company can grant permissions to the users as a group. Which AWS service or tool can the company use to meet this requirement?

- A. Security groups
- B. AWS identity and Access Management (IAM)
- C. Resource groups
- D. AWS Security Hub

Answer: B

NEW QUESTION 234

- (Exam Topic 2)

A company moves a workload to AWS to run on Amazon EC2 instances. The company needs to run the workload in the most cost-effective way. What can the company do to meet this requirement?

- A. Use AWS Key Management Service (AWS KMS)
- B. Use multiple AWS accounts and consolidated billing.
- C. Use AWS CloudFormation to deploy the infrastructure.
- D. Rightsize all the EC2 instances that are used in the deployment

Answer: D

NEW QUESTION 236

- (Exam Topic 2)

A company plans to migrate complex legacy systems to AWS. The company will use several operating systems multiple databases and multiple programming languages. Which benefit of the AWS Cloud does this scenario represent?

- A. Scalability
- B. Flexibility
- C. Reliability
- D. Security

Answer: B

NEW QUESTION 241

- (Exam Topic 2)

A company distributes traffic evenly among a fleet of Amazon EC2 instances. The EC2 instances must accommodate unpredictable increases in traffic. Which benefit does the AWS Cloud provide to meet this requirement?

- A. Scalability
- B. Resilience
- C. Security
- D. Agility

Answer: A

NEW QUESTION 242

- (Exam Topic 2)

A company wants to accelerate migration from its data center to the AWS Cloud. Which combination of AWS services should the company use to meet this requirement? (Select TWO.)

- A. Amazon Connect
- B. AWS Direct Connect
- C. AWS Server Migration Service (AWS SMS)
- D. Amazon Route 53
- E. AWS Organizations

Answer: BC

NEW QUESTION 244

- (Exam Topic 2)

Which duty is a responsibility of AWS under the AWS shared responsibility model?

- A. Identity and access management
- B. Server-side encryption (SSE)
- C. Firewall configuration
- D. Maintaining physical hardware

Answer: D

NEW QUESTION 247

- (Exam Topic 2)

A company is hosting an application in the AWS Cloud. The company wants to verify that underlying AWS services and general AWS infrastructure are operating normally.

Which combination of AWS services can the company use to gather the required information? (Select TWO).

- A. AWS Personal Health Dashboard.
- B. AWS System Manager
- C. AWS trusted Advisor
- D. AWS Service Health Dashboard
- E. AWS Service Catalog

Answer: CD

NEW QUESTION 248

- (Exam Topic 2)

Which of the following is advantages of the AWS Cloud? (Select TWO.)

- A. Trade variable expenses for capital expenses
- B. High economies of scale
- C. Launch globally in minutes
- D. Focus on managing hardware infrastructure
- E. Overprovision to ensure capacity

Answer: CE

NEW QUESTION 249

- (Exam Topic 2)

A user needs the ability to access as many resources as are needed. The user also needs the ability to scale up and scale down with only a few minutes of notice. Which benefit of the AWS Cloud describes these abilities?

- A. Ratability
- B. Economy of scale
- C. Elasticity
- D. Pay-as-you-go pricing

Answer: C

NEW QUESTION 252

- (Exam Topic 2)

A company is using AWS for all its IT infrastructure. The company's developers are allowed to deploy applications on their own. The developers want to deploy their applications without having to provision the infrastructure themselves

Which AWS service should the developers use to meet these requirements?

- A. AWS CloudFormation
- B. AWS CodeBuild
- C. AWS Elastic Beanstalk
- D. AWS CodeDeploy

Answer: D

NEW QUESTION 253

- (Exam Topic 2)

A company wants to design its cloud architecture so that its workloads are resilient can consistently perform their intended functions correctly and can recover from failure quickly. Which pillar of the AWS Well-Architected Framework does this architecture represent?

- A. Security
- B. Performance efficiency
- C. Operational excellence
- D. Reliability

Answer: D

NEW QUESTION 258

- (Exam Topic 2)

A company needs a central user portal so that users can log in to third-party business applications that support Security Assertion Markup Language (SAML) 2.0. Which AWS service will meet this requirement?

- A. AWS Identity and Access Management (IAM)
- B. Amazon Cognito
- C. AWS Single Sign-On
- D. AWS CL

Answer: B

NEW QUESTION 259

- (Exam Topic 2)

Which benefit of cloud computing gives a company the ability to deploy applications to users all over the world through a network of AWS Regions, Availability Zones, and edge locations?

- A. Economy of scale
- B. Global reach
- C. Agility
- D. High availability

Answer: C

NEW QUESTION 263

- (Exam Topic 3)

Which AWS service, feature, or tool helps visualize the pattern of AWS spending?

- A. Cost Explorer
- B. Amazon DevPay
- C. AWS CloudTrail
- D. Consolidated billing

Answer: A

NEW QUESTION 267

- (Exam Topic 3)

Which AWS service or feature can a company use to determine which business unit is using specific AWS resources?

- A. Cost allocation tags
- B. Key pairs
- C. Amazon Inspector
- D. AWS Trusted Advisor

Answer: A

NEW QUESTION 268

- (Exam Topic 3)

A company is developing a new web application. The company must give users the ability to log in to the application through social identity providers. Which AWS service will meet these requirements?

- A. AWS Directory Service
- B. Amazon Cognito
- C. AWS identity and Access management (IAM)
- D. AWS Single Sign-On

Answer: D

NEW QUESTION 271

- (Exam Topic 3)

A company wants to improve its security and audit posture by limiting Amazon EC2 inbound access. What should the company use to access instances remotely instead of opening inbound SSH ports and managing SSH keys?

- A. EC2 key pairs
- B. AWS Systems Manager Session ManagerC AWS Identity and Access Management (IAM)
- C. Network ACLs

Answer: B

Explanation:

AWS Systems Manager Session Manager is a new interactive shell and CLI that helps to provide secure, access-controlled, and audited Windows and Linux EC2 instance management. Session Manager removes the need to open inbound ports, manage SSH keys, or use bastion hosts.
<https://docs.aws.amazon.com/systems-manager/latest/userguide/session-manager.html>

NEW QUESTION 272

- (Exam Topic 3)

Which of the following are economic benefits of using the AWS Cloud? (Select TWO.)

- A. Consumption-based pricing
- B. Perpetual licenses
- C. Economies of scale
- D. AWS Enterprise Support at no additional cost
- E. Bring-your-own-hardware model

Answer: AC

NEW QUESTION 274

- (Exam Topic 3)

Which fully managed AWS service assists with the creation, testing and management of custom Amazon EC2 images?

- A. EC2 Image Builder
- B. Amazon Machine Image (AMI)
- C. AWS Launch Wizard
- D. AWS Elastic Beanstalk

Answer: A

NEW QUESTION 279

- (Exam Topic 3)

Which component of the AWS global infrastructure does Amazon CloudFront use to speed up the delivery of content to users across the world?

- A. Amazon VPC
- B. Edge location
- C. Local Zone
- D. AWS Outposts connection

Answer: B

Explanation:

Amazon CloudFront is a content delivery network (CDN) that speeds up the delivery of content to users across the world. CloudFront achieves this by using a network of edge locations. An edge location is a physical location where content is cached and served to users. When a user requests content, CloudFront directs the request to the nearest edge location, where the cached content is delivered to the user. This reduces the time it takes to deliver the content and improves the user experience. By using a global network of edge locations, CloudFront is able to deliver content faster, regardless of the user's location. Reference:
<https://aws.amazon.com/cloudfront/features/>

NEW QUESTION 282

- (Exam Topic 3)

According to the AWS shared responsibility model, the customer is responsible for applying the latest security updates and patches for which of the following?

- A. Amazon DynamoDB
- B. Amazon EC2 instances
- C. Amazon RDS instances
- D. Amazon S3

Answer: B

NEW QUESTION 283

- (Exam Topic 3)

A company has migrated its workload to AWS. The company wants to forecast the workload's costs for each quarter for the next year. Which AWS service or tool provides this functionality?

- A. AWS Organizations
- B. AWS Budgets
- C. AWS Cost Explorer
- D. AWS Cost and Usage Report

Answer: C

NEW QUESTION 287

- (Exam Topic 3)

A company provides Amazon Workspaces to its remote employees. The company wants to prevent employees from using their virtual desktops to visit specific websites that are known to be malicious.

Which AWS service should the company use to meet this requirement?

- A. AWS Shield Advanced
- B. Amazon Route 53
- C. Amazon GuardDuty
- D. AWS Network Firewall

Answer: D

Explanation:

<https://aws.amazon.com/blogs/desktop-and-application-streaming/filtering-internet-traffic-from-amazon-worksp> AWS Network Firewall extends protection beyond SG- and NACL-levels by protecting at the route level and offering stateless and stateful rules from layers 3 through 7 in the OSI Model. It uses the certificate fully qualified domain name (FQDN) or Server Name Indication (SNI) to determine if a website is allowed for HTTPS traffic. This is a commonly requested security requirement. Reviewing these design examples of AWS Network Firewall will accelerate your migration to Amazon WorkSpaces. AWS Network Firewall is a managed service, with no infrastructure to manage or patch you can simplify operational excellence. Native settings for advanced filtering (including domain name), and network traffic inspection can alert and block traffic related to malware. It also has layer 7 intrusion prevent system (IPS) rules, and the ability to apply TLS fingerprinting to prevent a spoofed IP or FQDN.

NEW QUESTION 289

- (Exam Topic 3)

A company notices suspicious network activity against an application that is running on a fleet of Amazon EC2 instances The suspicious activity is coming from a single IP address

Which AWS service should the company use to block access from this IP address?

- A. AWS Shield
- B. AWS Config
- C. Amazon GuardDuty
- D. AWS WAF

Answer: D

Explanation:

AWS WAF is a web application firewall that lets you monitor the HTTP and HTTPS requests that are forwarded to your protected web application resources. You can protect the following resource types:

- > Amazon CloudFront distribution
- > Amazon API Gateway REST API
- > Application Load Balancer
- > AWS AppSync GraphQL API
- > Amazon Cognito user pool

AWS WAF also lets you control access to your content. Based on conditions that you specify, such as the IP addresses that requests originate from or the values of query strings, your protected resource responds to requests either with the requested content, with an HTTP 403 status code (Forbidden), or with a custom response.

<https://docs.aws.amazon.com/waf/latest/developerguide/what-is-aws-waf.html>

NEW QUESTION 291

- (Exam Topic 3)

A company wants to move petabytes of historical data into the AWS Cloud. The company needs to transfer the data from a remote location that does not have reliable network services.

Which AWS service will meet these requirements?

- A. AWS Snowball
- B. AWS DataSync
- C. AWS Direct Connect
- D. AWS Site-to-Site VPN

Answer: A

NEW QUESTION 295

- (Exam Topic 3)

What is the MOST secure way to store passwords on AWS?

- A. Store passwords in an Amazon S3 bucket.
- B. Store passwords as AWS Cloud Formation parameters.
- C. Store passwords in AWS Storage Gateway.
- D. Store passwords in AWS Secrets Manager.

Answer: D

NEW QUESTION 296

- (Exam Topic 3)

A company needs a content delivery network that provides secure delivery of data, videos, applications, and APIs to users globally with low latency and high transfer speeds.

Which AWS service meets these requirements?

- A. Amazon CloudFront
- B. Elastic Load Balancing
- C. Amazon S3
- D. Amazon Elastic Transcoder

Answer: A

NEW QUESTION 297

- (Exam Topic 3)

A company wants its Amazon EC2 instance to share the same geographic area but use redundant underlying power sources.

Which solution will meet these requirements?

- A. Use EC2 instance across multiple Availability Zones in the same AWS Region.
- B. Use Amazon CloudFront as the database for the EC2 instances.
- C. Use EC2 instances in the same edge location and the same Availability Zone.
- D. Use EC2 instances in AWS OpsWorks stacks in different AWS Regions.

Answer: A

NEW QUESTION 300

- (Exam Topic 3)

A company is building a business intelligence solution using Amazon Redshift. The company wants to use an AWS service to create interactive dashboards and not pay any upfront costs for it.

Which service should the company use?

- A. Amazon CloudWatch
- B. AWS Personal Health Dashboard
- C. AWS Service Catalog
- D. Amazon QuickSight

Answer: D

NEW QUESTION 302

- (Exam Topic 3)

Which AWS service or resource is serverless?

- A. AWS Snowball Edge
- B. Amazon EC2
- C. Amazon Elastic Kubernetes Service (Amazon EKS)
- D. Amazon API Gateway

Answer: D

NEW QUESTION 304

- (Exam Topic 3)

What is the security best practice concerning sensitive data stored in Amazon S3?

- A. Enable cross-Region replication on the S3 bucket.
- B. Enable S3 server-side encryption on the S3 bucket.
- C. Configure AWS WAF to prevent unauthorized access to the S3 bucket.
- D. Configure Amazon GuardDuty to prevent unauthorized access to the S3 bucket.

Answer: B

NEW QUESTION 309

- (Exam Topic 3)

A company needs fully managed, highly reliable, and scalable file storage that is accessible over the Server Message Block (SMB) protocol.

Which AWS service will meet these requirements?

- A. Amazon S3
- B. Amazon Elastic File System (Amazon EFS)
- C. Amazon FSx for Windows File Server
- D. Amazon Elastic Block Store (Amazon EBS)

Answer: C

Explanation:

<https://www.amazonaws.cn/en/fsx/windows/>

NEW QUESTION 314

- (Exam Topic 3)

Which of the following is an architectural design principle of the AWS Well-Architected Framework?

- A. Loosely couple components
- B. Build monolithic systems
- C. Scale vertically, not horizontally
- D. Use third-party software

Answer: A

NEW QUESTION 316

- (Exam Topic 3)

Which of the following will help a user determine if they need to request a VPC service limit increase?

- A. AWS Personal Health Dashboard
- B. AWS Trusted Advisor
- C. AWS Cost and Usage Report
- D. AWS Service Catalog

Answer: A

NEW QUESTION 320

- (Exam Topic 3)

A company is building AWS architecture to deliver real-time data feeds from an on-premises data center into an application that runs on AWS. The company needs a consistent network connection with minimal latency.

What should the company use to connect the application and the data center to meet these requirements?

- A. AWS Direct Connect
- B. Public internet
- C. AWS VPN
- D. Amazon Connect

Answer: D

NEW QUESTION 322

- (Exam Topic 3)

A company needs to use a serverless interactive query service to analyze data in Amazon S3. The query service must support standard SQL.

Which AWS service will meet these requirements?

- A. Amazon Redshift
- B. AWS Glue
- C. Amazon Athena
- D. Amazon Kinesis Data Streams

Answer: C

NEW QUESTION 327

- (Exam Topic 3)

When AWS tool acts as a firewall to control traffic in and out of subnets within a VPC?

- A. Security group
- B. Route table
- C. VPC endpoint
- D. Network access control list (ACL)

Answer: D

NEW QUESTION 332

- (Exam Topic 3)

Which option is a common stakeholder role for the AWS Cloud Adoption Framework (AWS CAF.) platform perspective?

- A. Chief financial officer (CFO)
- B. Chief information officer (CIO)
- C. Chief data officer (CDO)
- D. Engineer

Answer: A

NEW QUESTION 337

- (Exam Topic 3)

If a company wants to build an interactive chatbot to make a call center more efficient, which AWS service should be used?

- A. Amazon Connect
- B. Amazon Lex
- C. Amazon Translate
- D. Amazon Polly

Answer: B

NEW QUESTION 342

- (Exam Topic 3)

A company is running a critical workload on an Amazon RDS D8 instance. The company needs the DB instance to be highly available with a recovery time of less than 5 minutes. Which solution will meet these requirements?

- A. Create a read replica of the DB instance.
- B. Create a template of the DB instance by using AWS Cloud Formation.
- C. Take frequent snapshots of the DB instance.
- D. Store the snapshots in Amazon S3.
- E. Modify the DB instance to be a Multi-AZ deployment.

Answer: D

Explanation:

A Multi-AZ deployment of Amazon RDS automatically provisions and maintains a synchronous standby replica in a different availability zone (AZ) than the primary instance. In the event of a failure of the primary instance, the replica is promoted to be the new primary instance, and the recovery time is less than 5 minutes. This ensures high availability for the critical workload and meets the company's requirement for a recovery time of less than 5 minutes. Additionally, it also provides automatic failover and data replication, so in case of any disaster or unplanned outage you will have a fully-working DB instance up and running with minimal data loss.

Reference:

[1] <https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html> [2] <https://aws.am>

NEW QUESTION 345

- (Exam Topic 3)

A company wants help from AWS Certified freelance consultants to complete several AWS Cloud projects. Which AWS service should the company use to find this support?

- A. AWS IQ
- B. AWS Support
- C. AWS Trusted Advisor
- D. AWS Marketplace

Answer: A

NEW QUESTION 348

- (Exam Topic 3)

A company wants its Amazon EC2 instances to operate in a highly available environment, even if there is a natural disaster in a particular geographic area. Which solution achieves this goal?

- A. Use EC2 instances in a single Availability Zone.
- B. Use EC2 instances in multiple AWS Regions.
- C. Use EC2 instances in multiple edge locations.
- D. Use Amazon CloudFront with the EC2 instance configured as the source.

Answer: D

NEW QUESTION 352

- (Exam Topic 3)

A company needs to transfer 60 TB of data to the AWS Cloud in a secure manner. Which of the following should the company use to meet these requirements?

- A. AWS Snowball Edge device
- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon S3

Answer: A

Explanation:

<https://aws.amazon.com/blogs/storage/migrating-hundreds-of-tb-of-data-to-amazon-s3-with-aws-datasync/>

NEW QUESTION 353

- (Exam Topic 3)

A developer needs to use a standardized template to create copies of a company's AWS architecture for development, test, and production environments. Which AWS service should the developer use to meet this requirement?

- A. AWS Cloud Map
- B. AWS CloudFormation
- C. Amazon CloudFront
- D. AWS CloudTrail

Answer: B

NEW QUESTION 354

- (Exam Topic 3)

Which AWS services or resources can a company use directly on its on-premises servers? (Choose two.)

- A. AWS OpsWorks
- B. AWS CloudFormation
- C. AWS Storage Gateway
- D. Application Load Balancer
- E. Amazon Cognito

Answer: AC

Explanation:

AWS OpsWorks- They work great with EC2 & On-Premises VM AWS Storage Gateway is a set of hybrid cloud storage services that provide on-premises access to virtually unlimited cloud storage. <https://aws.amazon.com/storagegateway/>

NEW QUESTION 355

- (Exam Topic 3)

Which action will help increase security in the AWS Cloud?

- A. Enable programmatic access for all IAM users.
- B. Use IAM users instead of IAM roles to delegate permissions.
- C. Rotate access keys on a reoccurring basis.
- D. Use inline policies instead of customer managed policies.

Answer: C

Explanation:

<https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

Where possible, we recommend relying on temporary credentials instead of creating long-term credentials such as access keys. However, for scenarios in which you need IAM users with programmatic access and long-term credentials, we recommend that you rotate access keys. Regularly rotating long-term credentials helps you familiarize yourself with the process. This is useful in case you are ever in a situation where you must rotate credentials, such as when an employee leaves your company. We recommend that you use IAM access last used information to rotate and remove access keys safely.

NEW QUESTION 356

- (Exam Topic 3)

Which AWS service should a cloud practitioner use to identify security vulnerabilities of an AWS account?

- A. AWS Secrets Manager
- B. Amazon Cognito
- C. Amazon Macie
- D. AWS Trusted Advisor

Answer: D

NEW QUESTION 361

- (Exam Topic 3)

A company is planning to configure multi-factor authentication (MFA) for a business application. The company needs to use text messages to distribute one-time passwords to its customers worldwide. When AWS service should the company use to meet this requirement?

- A. Amazon EventBridge (Amazon CloudWatch Events)
- B. AWS Identity and Access Management (IAM)
- C. Amazon Simple Notification Service (Amazon SNS)
- D. Amazon Connect

Answer: C

NEW QUESTION 363

- (Exam Topic 3)

Which AWS services can a company use to achieve a loosely coupled architecture? (Select TWO.)

- A. Amazon Workspaces
- B. Amazon Simple Queue Service (Amazon SQS.)
- C. Amazon Connect
- D. AWS Trusted Advisor
- E. AWS Step Functions

Answer: BE

NEW QUESTION 367

- (Exam Topic 3)

A company has a serverless application that includes an Amazon API Gateway API, an AWS Lambda function, and an Amazon DynamoDB database. Which AWS service can the company use to trace user requests as they move through the application's components?

- A. AWS CloudTrail
- B. Amazon CloudWatch
- C. Amazon Inspector
- D. AWS X-Ray

Answer: D

Explanation:

X-ray - <https://aws.amazon.com/xray/> CloudTrail - audit
Cloudwatch - monitor
Inspector - vulnerability management X-Ray – tracing

NEW QUESTION 370

- (Exam Topic 3)

A company is planning to move data backups to the AWS Cloud. The company needs to replace on-premises storage with storage that is cloud-based but locally cached. Which AWS service meets these requirements?

- A. AWS Storage Gateway
- B. AWS Snowcone
- C. AWS Backup
- D. Amazon Elastic File System (Amazon EFS)

Answer: A

NEW QUESTION 375

- (Exam Topic 3)

A company is planning to migrate to the AWS Cloud. The company is conducting organizational transformation and wants to become more responsive to customer inquiries and feedback.

Which task should the company perform to meet these requirements, accounting to the AWS Cloud Adoption Framework (AWS CAF)?

- A. Realign teams to focus on products and value streams.
- B. Create new value propositions with new products and services.
- C. Use a new data and analytics platform to create actionable insights.
- D. Migrate and modernize legacy infrastructure.

Answer: B

NEW QUESTION 378

- (Exam Topic 3)

Which characteristic of the AWS Cloud helps users eliminate underutilized CPU capacity?

- A. Agility
- B. Elasticity
- C. Reliability
- D. Durability

Answer: B

NEW QUESTION 382

- (Exam Topic 3)

Which AWS services or features can a company use to connect the network of its on-premises data center to AWS? (Select TWO.)

- A. AWS VPN
- B. AWS Directory Service
- C. AWS Data Pipeline
- D. AWS Direct Connect
- E. AWS CloudHSM

Answer: AD

NEW QUESTION 385

- (Exam Topic 3)

A company wants to build an application that consists entirely of microservices. Which AWS Cloud architecture design principle supports this goal?

- A. Think parallel.
- B. Implement elasticity.
- C. Stop guessing capacity.
- D. Decouple components

Answer: D

NEW QUESTION 387

- (Exam Topic 3)

A company needs to use Amazon S3 to store audio files that are each 5 megabytes in size. The company will rarely access the files, but the company must be able to retrieve the files immediately:

Which S3 storage class will meet these requirements MOST cost-effectively?

- A. S3 Standard
- B. S3 Standard-Infrequent Access (S3 Standard-IA)
- C. S3 Glacier Flexible Retrieval
- D. S3 Glacier Deep Archive

Answer: B

NEW QUESTION 389

- (Exam Topic 3)

Which tasks responsibilities of the customer, according to the AWS shared responsibility model? (Select TWO.)

- A. Secure the virtualization layer.
- B. Encrypt data and maintain data integrity.
- C. Patch the Amazon RDS operating system.
- D. Maintain identity and access management controls.
- E. Secure Availability Zones.

Answer: BD

NEW QUESTION 393

- (Exam Topic 3)

Which of the following is an AWS best practice for managing an AWS account root user?

- A. Keep the root user password with the security team.
- B. Enable multi-factor authentication (MFA) for the root user
- C. Create an access key for the root user.
- D. Keep the root user password consistent for compliance purposes.

Answer: B

Explanation:

If you do have an access key for your AWS account root user, delete it. If you must keep it, rotate (change) the access key regularly. To delete or rotate your root user access keys, go to the My Security Credentials page in the AWS Management Console and sign in with your account's email address and password. You can manage your access keys in the Access keys section. For more information about rotating access keys, see Rotating access keys.

NEW QUESTION 397

- (Exam Topic 3)

A company needs to block SQL injection attacks.

Which AWS service or feature provides this functionality?

- A. AWS WAF
- B. Network ACLs
- C. Security groups
- D. AWS Trusted Advisor

Answer: A

NEW QUESTION 400

- (Exam Topic 3)

A company needs to migrate all of its development teams to a cloud-based integrated development environment (IDE).

Which AWS service should the company use?

- A. AWS CodeBuild
- B. AWS Cloud9
- C. AWS OpsWorks
- D. AWS Cloud Development Kit (AWS CDK)

Answer: B

Explanation:

cloud-based integrated devWS Cloud9 is an integrated development environment, or IDE. The AWS Cloud9 IDE offers a rich code-editing experience with support for several programming languages and runtime debuggers, and a built-in terminal.elopment environment (IDE)

<https://aws.amazon.com/es/cloud9/details/> AWS Cloud9 es un entorno de desarrollo integrado (IDE) basado en la nube que le permite escribir, ejecutar y depurar código desde cualquier equipo con tan solo un navegador.

NEW QUESTION 402

- (Exam Topic 3)

Which AWS service or feature provides high availability and low latency within an AWS Region?

- A. Edge locations
- B. Availability Zones
- C. AWS Outposts
- D. Amazon Route 53

Answer: B

NEW QUESTION 406

- (Exam Topic 3)

A company wants to build an application that uses AWS Lambda to run Python code.

Under the AWS shared responsibility model, which tasks will be the company's responsibility? (Select TWO.)

- A. Management of the underlying infrastructure.
- B. Management of the operating system.
- C. Writing the business logic code.
- D. Installation of the computer language runtime.

E. Providing AWS Identity and Access Management (IAM) access to the Lambda service.

Answer: CE

NEW QUESTION 408

- (Exam Topic 3)

Which design principle is achieved by following the reliability pillar of the AWS Well-Architected Framework?

- A. Vertical scaling
- B. Manual failure recovery
- C. Testing recovery procedures
- D. Changing infrastructure manually

Answer: C

Explanation:

Testing recovery procedures Reliability

Design Principles

Automatically recover from failure Test recovery procedures

Scale horizontally to increase aggregate workload availability Stop guessing capacity

Manage change in automation

NEW QUESTION 410

- (Exam Topic 3)

A company wants to use an Amazon EC2 instance that has a pre-installed third-party firewall. Which AWS service or feature can provide this solution?

- A. Security groups
- B. AWS Marketplace
- C. AWS Systems Manager
- D. AWS Certificate Manager (ACM)

Answer: B

NEW QUESTION 414

- (Exam Topic 3)

What is a customer responsibility under the AWS shared responsibility model when using AWS Lambda?

- A. Maintenance of the underlying Lambda hardware.
- B. Maintenance of the Lambda networking infrastructure.
- C. The code and libraries that run in the lambda function.
- D. The Lambda server software.

Answer: C

NEW QUESTION 418

- (Exam Topic 3)

A company needs help with a specific question that is related to a planned AWS deployment of a business application. The company has only the AWS Basic Support plan. The company wants to have the question answered immediately by an expert who has adequate skills and experience.

Which action should the company take to meet these requirements?

- A. Submit the question to AWS Support by phone or live chat.
- B. Submit the question in AWS re:Post
- C. Connect with other AWS customers by using AWS Connect
- D. Connect with an AWS professional by using AWS IQ.

Answer: A

NEW QUESTION 419

- (Exam Topic 3)

A company is designing a web application that will run on Amazon EC2 instances.

Which AWS services and features will improve availability and reduce the impact of failures for this application? (Choose two.)

- A. Amazon EC2 Auto Scaling for the EC2 instances
- B. VPC subnet ACLs to check the health of a service
- C. Resources that are distributed across multiple Availability Zones
- D. Configuration of AWS Server Migration Service (AWS SMS) to move the EC2 instances to a different AWS Region
- E. Resources that are distributed across multiple AWS points of presence

Answer: AC

NEW QUESTION 424

- (Exam Topic 3)

Which activity is considered out of scope for AWS Support?

- A. Solving problems detected by Amazon EC2 health checks
- B. Answering "how to" question on AWS services and features
- C. Troubleshooting AWS APIs

D. Tuning database queries

Answer: C

NEW QUESTION 426

- (Exam Topic 3)

Which of the following are characteristics of a serverless application that runs in the AWS Cloud? (Select TWO.)

- A. Users must manually configure Amazon EC2 instances.
- B. Users have a choice of operating systems.
- C. The application has built-in fault tolerance
- D. Users can run Amazon EC2 Spot Instances.
- E. The application can scale based on demand.

Answer: AE

NEW QUESTION 431

- (Exam Topic 3)

A company is choosing an AWS Support plan. The company needs the ability to contact cloud support engineers by phone, email, and chat 24 hours a day, 7 days a week.

What is the LEAST expensive AWS Support plan that meets these requirements?

- A. AWS Basic Support
- B. AWS Developer Support
- C. AWS Business Support
- D. AWS Enterprise Support

Answer: C

Explanation:

<https://aws.amazon.com/premiumsupport/plans/>

NEW QUESTION 434

- (Exam Topic 3)

Which AWS service helps users audit API activity across their AWS account?

- A. AWS CloudTrail
- B. Amazon Inspector
- C. AWSWAF
- D. AWS Config

Answer: A

NEW QUESTION 435

- (Exam Topic 3)

What is the total volume of data that can be stored in Amazon S3?

- A. 10 PB
- B. 50 PB
- C. 100 PB
- D. Virtually unlimited

Answer: D

NEW QUESTION 437

- (Exam Topic 3)

A company wants to integrate its online shopping website with social media login credentials. Which AWS service can the company use to make this integration?

- A. AWS Directory Service
- B. AWS Identity and Access Management (IAM)
- C. Amazon Cognito
- D. AWS IAM Identity Center (AWS Single Sign-On)

Answer: C

NEW QUESTION 442

- (Exam Topic 3)

A company needs an AWS service that will continuously monitor the company's AWS account for suspicious activity. The service must have the ability to initiate automated actions against threats that are identified in the security findings.

Which service will meet these requirements?

- A. AWS Trusted Advisor
- B. Amazon Detective
- C. Amazon Inspector
- D. Amazon GuardDuty

Answer:

D

Explanation:

Amazon GuardDuty is a threat detection service that continuously monitors your AWS accounts and workloads for malicious activity and delivers detailed security findings for visibility and remediation.

<https://aws.amazon.com/guardduty/>

NEW QUESTION 443

- (Exam Topic 3)

An ecommerce company has deployed a new web application on Amazon EC2 instances. The company wants to distribute incoming HTTP traffic evenly across all running instances.

Which AWS service or resource will meet this requirement?

- A. Amazon EC2 Auto Scaling
- B. Application Load Balancer
- C. Gateway Load Balancer
- D. Network Load Balancer

Answer: B

NEW QUESTION 446

- (Exam Topic 3)

A company needs to manage multiple login across AWS accounts within the same organization in AWS Organizations.

Which AWS service should the company use to meet this requirement?

- A. Amazon VPC
- B. Amazon GuardDuty
- C. Amazon Cognito
- D. AWS IAM Identify Center (AWS Single Sign-on)

Answer: D

NEW QUESTION 447

- (Exam Topic 3)

A company wants its Amazon EC2 instances to provide a low-latency static website to global users. What should the company do to meet this requirement?

- A. Use the EC2 instances in multiple edge locations.
- B. Use an Application Load Balancer with the EC2 instances configured as the target.
- C. Use the EC2 instances in the same Availability Zone but in different AWS Regions.
- D. Use Amazon CloudFront with the EC2 instances configured as the source.

Answer: C

NEW QUESTION 449

- (Exam Topic 3)

A company has multiple departments. The company must charge each department for its exact AWS Cloud usage, including data transfer costs. How can the company determine these costs by department?

- A. Use one AWS account for each department.
- B. Use cost allocation tags on services that are used the most often.
- C. Use AWS Trusted Advisor.
- D. Use Savings Plans.

Answer: A

NEW QUESTION 450

- (Exam Topic 3)

Which statements represent the cost-effectiveness of the AWS Cloud? (Choose two.)

- A. Users can trade fixed expenses for variable expenses.
- B. Users can deploy all over the world in minutes.
- C. AWS offers increased speed and agility.
- D. AWS is responsible for patching the infrastructure.
- E. Users benefit from economies of scale.

Answer: AE

NEW QUESTION 455

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