

Amazon-Web-Services

Exam Questions CLF-C01

AWS Certified Cloud Practitioner



NEW QUESTION 1

- (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 2

- (Exam Topic 3)

Which AWS service provides recommendations to help users optimize costs and follow AWS best practices?

- A. AWS Trusted Advisor
- B. AWS Service Catalog
- C. AWS Ground Station
- D. Amazon GuardDuty

Answer: A

Explanation:

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

NEW QUESTION 3

- (Exam Topic 3)

A company suspects that its AWS resources are being used for illegal activities. Which AWS group or team should the company notify?

- A. AWS Abuse team
- B. AWS Support team
- C. AWS technical account managers
- D. AWS Professional Services team

Answer: A

Explanation:

"If you suspect that AWS resources are used for abusive purposes, contact the AWS Trust & Safety team using the Report Amazon AWS abuse form, or by contacting abuse@amazonaws.com. Provide all the necessary information, including logs in plaintext, email headers, and so on, when you submit your request. Note: AWS Support can't assist with reports of abuse or questions about notifications from the AWS Trust & Safety team. If you have questions for the AWS Trust & Safety team, reply directly to their email.

NEW QUESTION 4

- (Exam Topic 3)

Which AWS services or features provide disaster recovery solutions for Amazon EC2 instances? (Select TWO.)

- A. EC2 Reserved Instances
- B. EC2 Amazon Machine Images (AMIs)
- C. Amazon Elastic Block Store (Amazon EBS) snapshots
- D. AWS Shield
- E. Amazon GuardDuty

Answer: BC

Explanation:

<https://docs.aws.amazon.com/whitepapers/latest/disaster-recovery-workloads-on-aws/disaster-recovery-options-> You can back up Amazon EC2 instances used by your workload as Amazon Machine Images (AMIs). The AMI is created from snapshots of your instance's root volume and any other EBS volumes attached to your instance. You can use this AMI to launch a restored version of the EC2 instance

NEW QUESTION 5

- (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 6

- (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 7

- (Exam Topic 3)

A company wants the ability to accommodate peak application usage without purchasing equipment for on-premises data centers. Which AWS Cloud benefit is the company seeking?

- A. High availability
- B. Security
- C. Reliability
- D. Elasticity

Answer: D

NEW QUESTION 8

- (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 9

- (Exam Topic 3)

Which AWS services use cloud-native storage that provides replication across multiple Availability Zones by default? (Choose two.)

- A. Amazon ElastiCache
- B. Amazon RDS for Oracle
- C. Amazon Neptune
- D. Amazon DocumentDB (with MongoDB compatibility)
- E. Amazon Redshift

Answer: BE

NEW QUESTION 10

- (Exam Topic 3)

Which component of the AWS global infrastructure provides low-latency access to content in multiple geographic areas by storing copies of data close to end users?

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

Answer: C

Explanation:

AWS Local Zones allow you to use select AWS services, like compute and storage services, closer to more end-users, providing them very low latency access to the applications running locally.

NEW QUESTION 10

- (Exam Topic 3)

After selecting an Amazon EC2 Dedicated Host reservation, which pricing option would provide the largest discount?

- A. No upfront payment

- B. Hourly on-demand payment
- C. Partial upfront payment
- D. All upfront payment

Answer: D

NEW QUESTION 15

- (Exam Topic 3)

Which AWS service should a company use to check for IAM access keys that have not been rotated recently?

- A. AWSWAF
- B. AWS Trusted Advisor
- C. Amazon Inspector
- D. AWS Certificate Manager (ACM)

Answer: B

Explanation:

Service quotas are the maximum number of resources that you can create in an AWS account. AWS implements quotas to provide highly available and reliable service to all customers, and protects you from unintentional spend. Trusted Advisor will notify you once you reach more than 80% of a service quota. You can then follow recommendations to delete resources or request a quota increase.

NEW QUESTION 16

- (Exam Topic 3)

A company needs to run a workload that requires low-latency access to an on-premises data center. The company wants a fully managed service to extend its existing VPC to local resources.

Which AWS service or resource should the company use?

- A. AWS Outposts
- B. Amazon Connect
- C. AWS Snowball Edge
- D. Amazon WorkLink

Answer: A

Explanation:

comparison between the outpost and Local zone

"should be local and on-premises" local zones are not on premises at all <https://aws.amazon.com/blogs/compute/aws-local-zones-and-aws-outposts-choosing-the-right-technology-for-yo>

NEW QUESTION 20

- (Exam Topic 3)

An application runs on multiple Amazon EC2 instances that access a shared file system simultaneously.

Which AWS storage service should be used?

- A. Amazon EBS
- B. Amazon EFS
- C. Amazon S3
- D. AWS Artifact

Answer: B

Explanation:

Amazon EFS provides secure access for thousands of connections for Amazon EC2 instances and on-premises servers, as well as AWS compute services, including ECS, EKS, AWS Fargate, and AWS Lambda, simultaneously using a traditional file permissions model, file locking capabilities, and hierarchical directory structure via the NFSv4 protocol. Amazon EC2 instances can access your file system across AZs, regions, and VPCs, while on-premises servers can access using AWS Direct Connect or AWS VPN.

NEW QUESTION 23

- (Exam Topic 3)

Which AWS service can a company use to analyze and debug performance issues of an AWS Lambda function?

- A. Amazon Inspector
- B. Amazon Detective
- C. AWS CodeStar
- D. AWS X-Ray

Answer: D

Explanation:

<https://docs.aws.amazon.com/lambda/latest/operatorguide/general-approach.html>

NEW QUESTION 24

- (Exam Topic 3)

A company is using Amazon EC2 instances.

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

- A. Choose the initial root password of new Linux instances.
- B. Identify which users can access the EC2 instances, and manage their permissions in the operating system
- C. Apply the updates of the hypervisor where the EC2 instances are running.
- D. Choose between a Wi-Fi connection and an Ethernet connection for the global internet access.
- E. Identify and manage the users who are allowed to create or delete EC2 instances.

Answer: BE

NEW QUESTION 27

- (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 30

- (Exam Topic 3)

Using Amazon Elastic Container Service (Amazon ECS) to break down a monolithic architecture into microservices is an example of:

- A. a loosely coupled architecture.
- B. a tightly coupled architecture.
- C. a stateless architecture.
- D. a stateful architecture.

Answer: A

NEW QUESTION 33

- (Exam Topic 3)

A company wants an in-memory data store that is compatible with open source in the cloud. Which AWS service should the company use?

- A. Amazon DynamoDB
- B. Amazon ElastiCache
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon Redshift

Answer: B

NEW QUESTION 34

- (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 37

- (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 41

- (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 45

- (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 46

- (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 Manager
- C. AWS Identity and Access Management (IAM)
- D. 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 51

- (Exam Topic 3)

Which design principles are enabled by the AWS Cloud to improve the operation of workloads? (Choose two.)

- A. Minimize upfront design
- B. Loose coupling
- C. Disposable resources
- D. Server design and concurrency
- E. Minimal viable product

Answer: BD

NEW QUESTION 52

- (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 54

- (Exam Topic 3)

Which of the following are pillars of the AWS Well-Architected Framework? (Select TWO.)

- A. Resource scalability
- B. Performance efficiency
- C. System elasticity
- D. Agile development
- E. Operational excellence

Answer: BE

Explanation:

Creating a software system is a lot like constructing a building. If the foundation is not solid, structural problems can undermine the integrity and function of the building. When architecting technology solutions, if you neglect the six pillars of operational excellence, security, reliability, performance efficiency, cost optimization, and sustainability, it can become challenging to build a system that delivers on your expectations and requirements. Incorporating these pillars into your architecture will help you produce stable and efficient systems. This will allow you to focus on the other aspects of design, such as functional requirements.

Pillars

Operational excellence Security

Reliability Performance efficiency Cost optimization Sustainability

NEW QUESTION 59

- (Exam Topic 3)

Which AWS service gives users the ability to provision a dedicated and private network connection from their internal network to AWS?

- A. AWS CloudHSM
- B. AWS Direct Connect
- C. AWS VPN
- D. Amazon Connect

Answer: B

Explanation:

AWS Direct Connect lets you establish a dedicated network connection between your network and one of the AWS Direct Connect locations. Using industry standard 802.1q VLANs, this dedicated connection can be partitioned into multiple virtual interfaces. This allows you to use the same connection to access public resources such as objects stored in Amazon S3 using public IP address space, and private resources such as Amazon EC2 instances running within an Amazon Virtual Private Cloud (VPC) using private IP space, while maintaining network separation between the public and private environments. Virtual interfaces can be reconfigured at any time to meet your changing needs.

NEW QUESTION 63

- (Exam Topic 3)

Which AWS service should a company use to provision, manage, and deploy SSL/TLS certificates?

- A. AWS Secrets Manager
- B. Amazon Inspector
- C. AWS CodeDeploy
- D. AWS Certificate Manager (ACM)

Answer: D

NEW QUESTION 67

- (Exam Topic 3)

A company wants to run its applications in the AWS Cloud. The company does not have enough staff to maintain and protect its critical business applications. Which AWS service should the company use to perform these tasks?

- A. AWS Shield
- B. Amazon RDS
- C. AWSConfig
- D. AWS Managed Services (AMS)

Answer: C

NEW QUESTION 70

- (Exam Topic 3)

Where can AWS users review answers to frequently asked questions about security in the AWS Cloud?

- A. AWS Trusted Advisor
- B. AWS Knowledge Center
- C. AWS Support Center
- D. AWS Artifact

Answer: B

Explanation:

<https://aws.amazon.com/premiumsupport/knowledge-center/>

NEW QUESTION 75

- (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 79

- (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 84

- (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 86

- (Exam Topic 2)

Which pillar of the AWS Well-Architected Framework is focused on the ability of a workload to perform its intended function correctly and consistently at the expected time?

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

Answer: A

NEW QUESTION 88

- (Exam Topic 2)

A company is considering implementing a new workload in the AWS Cloud. However, the company first wants to forecast the potential cost. Which tool should the company use to estimate the cost of the workload?

- A. Cost Explorer
- B. AWS Pricing Calculator
- C. AWS Billing and Cost Management dashboard
- D. AWS Cost and Usage Report

Answer: B

NEW QUESTION 93

- (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 94

- (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 96

- (Exam Topic 2)

Which of the following are 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 97

- (Exam Topic 2)

Which of the following gives a company the ability to take advantage of tiered pricing for services across multiple AWS member accounts?

- A. AWS Organizations service control policies (SCPs)
- B. AWS Organizations consolidated billing
- C. All upfront Reserved Instances
- D. Cost Explorer utilization reports

Answer: B

NEW QUESTION 102

- (Exam Topic 2)

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

- A. AWS manages all the security within the cloud
- B. Expenses never change from month to month
- C. Users can stop spending money on the maintenance of data centers
- D. Users do not need to deploy applications globally
- E. Users can stop guessing about resource capacity

Answer: CE

NEW QUESTION 104

- (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 109

- (Exam Topic 2)

Which of the following is an advantage of AWS Cloud computing?

- A. Trade security for elasticity
- B. Trade operational excellence for agility

- C. Trade fixed expenses for variable expenses
- D. Trade elasticity for performance.

Answer: C

NEW QUESTION 111

- (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 114

- (Exam Topic 2)

Which fully managed AWS service allows a user to bring their own machine learning algorithm?

- A. Amazon Forecast
- B. AWS Artifact
- C. AWS Data Pipeline
- D. Amazon SageMaker

Answer: D

NEW QUESTION 116

- (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 121

- (Exam Topic 2)

A company stores several terabytes of data in an Amazon S3 bucket. The company needs to query the data by using standard SQL and does not want to set up infrastructure. Which AWS service should the company use to meet these requirements?

- A. Amazon RDS
- B. Amazon Redshift
- C. Amazon Athena
- D. Amazon EC2

Answer: C

Explanation:

"Amazon Athena is an interactive query service that makes it easy to analyze data in Amazon S3 using standard SQL. Athena is serverless, so there is no infrastructure to setup or manage, and you can start analyzing data immediately."

NEW QUESTION 124

- (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 127

- (Exam Topic 2)

Which AWS Cloud benefit is shown by architecture's ability to withstand with minimal downtime?

- A. Agility
- B. Elasticity
- C. Scalability
- D. High availability

Answer: C

NEW QUESTION 132

- (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 135

- (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 137

- (Exam Topic 2)

A company needs to perform queries and interactively search and analyze log data. Which AWS service or feature will meet this requirement?

- A. Amazon EventBridge (Amazon CloudWatch Events)
- B. Amazon CloudWatch anomaly detection
- C. Amazon CloudWatch Logs Insights
- D. Amazon CloudWatch Logs streams

Answer: C

NEW QUESTION 141

- (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 145

- (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 146

- (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 149

- (Exam Topic 2)

Which of the following is available to a company that has an AWS Business Support plan?

- A. AWS Support concierge
- B. AWS DDoS Response Team (DRT)
- C. AWS technical account manager (TAM)
- D. AWS Health API

Answer: D

NEW QUESTION 154

- (Exam Topic 2)

Which AWS service or resource helps on-premises applications connect to AWS Cloud-based storage and caches the data locally for low-latency access?

- A. AWS Direct Connect
- B. AWS Storage Gateway
- C. Amazon S3
- D. AWS Snowball Edge

Answer: B

Explanation:

Storage Gateway enables on-premises applications to use cloud storage by providing low-latency data access over standard storage protocols.

NEW QUESTION 155

- (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 156

- (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 159

- (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 160

- (Exam Topic 2)

Which AWS service provides intelligent recommendations to improve code quality and identify an application's most expensive lines of code?

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

Answer: A

NEW QUESTION 162

- (Exam Topic 2)

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

- A. Securing the virtualization layer
- B. Patching the operating system on Amazon EC2 instances
- C. Enforcing a strict password policy for IAM users
- D. Patching the operating system on Amazon RDS instances
- E. Configuring security groups and network ACLs

Answer: AD

NEW QUESTION 163

- (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 166

- (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 167

- (Exam Topic 2)

Which of the following gives a company the ability to take advantage of tiered pricing for services across multiple AWS member accounts?

- A. AWS Organizations service control policies (SCPs)
- B. AWS Organizations consolidated billing
- C. All Upfront Reserved instances
- D. Cost Explorer utilization reports

Answer: B

NEW QUESTION 170

- (Exam Topic 2)

A company recently created its first AWS account. Which AWS services will require the use of a VPC? (Select TWO.)

- A. Amazon S3
- B. Amazon Elastic File System (Amazon EFS)
- C. Amazon Cognito
- D. Amazon DynamoDB
- E. Amazon EC2

Answer: BE

NEW QUESTION 175

- (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 179

- (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 182

- (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 184

- (Exam Topic 2)

Which AWS service will help a company plan a migration to AWS by collecting the configuration usage and behavior data of on-premises data centers?

- A. AWS Resource Groups
- B. AWS Application Discovery Service
- C. AWS Service Catalog
- D. AWS Systems Manager

Answer: B

NEW QUESTION 186

- (Exam Topic 2)

A company manages an on-premises MySQL database on a Windows server. The company wants to migrate the database to AWS and needs a solution that will reduce the administrative overhead of the database. Which AWS service will meet this requirement?

- A. Amazon Redshift
- B. Amazon ElastiCache
- C. Amazon RDS
- D. Amazon Elastic File System (Amazon EFS)

Answer: C

NEW QUESTION 189

- (Exam Topic 2)

Which solution provides a fast, automated and repeatable method of deploying AWS Cloud infrastructure to multiple AWS Regions?

- A. Use AWS CodeStar to set up a continuous delivery toolchain for automated deployment
- B. Create and launch an Amazon EC2 Amazon Machine Image (AMI) containing the source code with built-in deployment hooks to launch other AWS services
- C. Create and use an AWS CloudFormation template
- D. Use AWS Systems Manager to automate management tasks such as creating Amazon EC2 Amazon Machine images (AMIs) and applying patches

Answer: C

NEW QUESTION 194

- (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 197

- (Exam Topic 2)

Which AWS service tool or feature helps companies reduce costs by identifying underutilized Amazon EC2 instances?

- A. Amazon Inspector
- B. AWS Trusted Advisor
- C. Consolidated billing
- D. Cost Explorer

Answer: D

NEW QUESTION 202

- (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 203

- (Exam Topic 2)

A company needs to store code in a version control system. The company also needs to continually deploy updated code through a series of automated steps (build test package and deploy).

Which combination of AWS services will meet these requirements? (Select TWO.)

- A. AWS CloudFormation
- B. AWS CodeCommit
- C. AWS Control Tower
- D. AWS Elastic Beanstalk
- E. AWS CodePipeline

Answer: BE

NEW QUESTION 207

- (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 212

- (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 213

- (Exam Topic 1)

Which AWS services can use AWS WAF to protect against common web exploitations? (Select TWO.)

- A. Amazon Route 53
- B. Amazon CloudFront
- C. AWS Transfer Family
- D. AWS Site-to-Site VPN
- E. Amazon API Gateway

Answer: BE

Explanation:

AWS WAF can be deployed on Amazon CloudFront, the Application Load Balancer (ALB), Amazon API Gateway, and AWS AppSync. As part of Amazon CloudFront it can be part of your Content Distribution Network (CDN) protecting your resources and content at the Edge locations.

NEW QUESTION 216

- (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 217

- (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 220

- (Exam Topic 1)

Who can create and manage access keys for an AWS account root user?

- A. The AWS account owner
- B. An IAM user that has administrator permissions
- C. IAM users within a designated group
- D. An IAM user that has the required role

Answer: A

Explanation:

Anyone who has root user credentials for your AWS account has unrestricted access to all the resources in your account, including billing information. When you create access keys, you create the access key ID and secret access key as a set.

NEW QUESTION 225

- (Exam Topic 1)

A company needs to report on events that involve the specific AWS services that the company uses.

Which AWS service or resource can the company use with Amazon CloudWatch to meet this requirement?

- A. Amazon Inspector
- B. AWS Personal Health Dashboard
- C. AWS Trusted Advisor
- D. AWS Cloud Trail logs

Answer: B

NEW QUESTION 230

- (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 231

- (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 235

- (Exam Topic 1)

What is the customer ALWAYS responsible for managing, according to the AWS shared responsibility model?

- A. Software licenses
- B. Networking
- C. Customer data
- D. Encryption keys

Answer: C

NEW QUESTION 236

- (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 239

- (Exam Topic 1)

Which AWS service provides storage that can be mounted across multiple Amazon EC2 instances?

- A. Amazon WorkSpaces
- B. Amazon Elastic File System (Amazon EFS)
- C. AWS Database Migration Service (AWS DMS)
- D. AWS Snowball Edge

Answer: B

NEW QUESTION 244

- (Exam Topic 1)

Which of the following are AWS compute services? (Select TWO.)

- A. Amazon Lightsail
- B. AWS Systems Manager
- C. AWS CloudFormation
- D. AWS Batch
- E. Amazon Inspector

Answer: AD

Explanation:

Amazon Lightsail is designed to be the easiest way to launch and manage a virtual private server with AWS. Lightsail plans include everything you need to jumpstart your project – a virtual machine, SSD-based storage, data transfer, DNS management, and a static IP address – for a low, predictable price. AWS Batch enables developers, scientists, and engineers to easily and efficiently run hundreds of thousands of batch computing jobs on AWS. AWS Batch dynamically provisions the optimal quantity and type of compute resources (e.g., CPU or memory-optimized instances) based on the volume and specific resource requirements of the batch jobs submitted. With AWS Batch, there is no need to install and manage batch computing software or server clusters that you use to run your jobs, allowing you to focus on analyzing results and solving problems. AWS Batch plans, schedules, and runs your batch computing workloads across the full range of AWS compute services and features, such as Amazon EC2 and Spot Instances.

NEW QUESTION 245

- (Exam Topic 1)

A company runs a web application on Amazon EC2 instances. The application must run constantly and is expected to run indefinitely without interruption. Which EC2 instance purchasing options will meet these requirements MOST cost-effectively? (Select TWO.)

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

Answer: CD

Explanation:

Amazon EC2 provides the following purchasing options to enable you to optimize your costs based on your needs:
*On-Demand Instances – Pay, by the second, for the instances that you launch.

- *Savings Plans – Reduce your Amazon EC2 costs by making a commitment to a consistent amount of usage, in USD per hour, for a term of 1 or 3 years.
 - *Reserved Instances – Reduce your Amazon EC2 costs by making a commitment to a consistent instance configuration, including instance type and Region, for a term of 1 or 3 years.
 - *Spot Instances – Request unused EC2 instances, which can reduce your Amazon EC2 costs significantly.
 - *Dedicated Hosts – Pay for a physical host that is fully dedicated to running your instances, and bring your existing per-socket, per-core, or per-VM software licenses to reduce costs.
 - *Dedicated Instances – Pay, by the hour, for instances that run on single-tenant hardware.
 - *Capacity Reservations – Reserve capacity for your EC2 instances in a specific Availability Zone for any duration.
- If you require a capacity reservation, purchase Reserved Instances or Capacity Reservations for a specific Availability Zone. Spot Instances are a cost-effective choice if you can be flexible about when your applications run and if they can be interrupted. Dedicated Hosts or Dedicated Instances can help you address compliance requirements and reduce costs by using your existing server-bound software licenses.

NEW QUESTION 247

- (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 248

- (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 250

- (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 251

- (Exam Topic 1)

Which of the following describes AWS Local Zones?

- A. A cluster of data centers in one geographic location
- B. A site used by Amazon CloudFront to cache frequently accessed content
- C. An extension of an AWS Region to more granular locations
- D. One or more data centers with redundant power and networking

Answer: C

Explanation:

AWS Local Zones are a type of AWS infrastructure deployment that place compute, storage, database, and other select services closer to large population, industry, and IT centers, enabling you to deliver applications that require single-digit millisecond latency to end-users.

NEW QUESTION 254

- (Exam Topic 1)

Which action will provide documentation to help a company evaluate whether its use of the AWS Cloud is compliant with local regulatory standards?

- A. Running Amazon GuardDuty
- B. Using AWS Artifact
- C. Creating an AWS Support ticket
- D. AWS Cloud Trail logs

Answer: B

NEW QUESTION 257

- (Exam Topic 1)

A company wants to set up an entire development and continuous delivery toolchain for coding, building, testing, and deploying application code. Which AWS service will meet these requirements?

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

Answer: B

NEW QUESTION 262

- (Exam Topic 1)

A company has existing software licenses that it wants to bring to AWS, but the licensing model requires licensing physical cores. How can the company meet this requirement in the AWS Cloud?

- A. Launch an Amazon EC2 instance with default tenancy.
- B. Launch an Amazon EC2 instance on a Dedicated Host.
- C. Create an On-Demand Capacity Reservation.
- D. Purchase Dedicated Reserved Instances.

Answer: B

NEW QUESTION 267

- (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 270

- (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 273

- (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 276

- (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 281

- (Exam Topic 1)

What is a benefit of moving to the AWS Cloud in terms of improving time to market?

- A. Decreased deployment speed
- B. Increased application security
- C. Increased business agility
- D. Increased backup capabilities

Answer: C

NEW QUESTION 286

- (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 289

- (Exam Topic 1)

A company is planning to build a workload in the AWS Cloud. The company needs to estimate the costs of the network, compute, storage, and database for the workload. Which AWS service or tool should the company use to generate this estimate?

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

Answer: D

Explanation:

To estimate a bill, use the AWS Pricing Calculator. Choose Create estimate, and then choose your planned resources by service.

NEW QUESTION 292

- (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 296

- (Exam Topic 1)

A company wants a cost-effective option when running its applications in an Amazon EC2 instance for short time periods. The applications can be interrupted. Which EC2 instance type will meet these requirements?

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

Answer: A

Explanation:

Spot Instances - Spot Instances are the most cost-effective choice if you are flexible about when your applications run and if your applications can be interrupted.

NEW QUESTION 299

- (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 300

- (Exam Topic 1)

How does consolidated billing help reduce costs for a company that has multiple AWS accounts?

- A. It aggregates usage across accounts so that the company can reach volume discount thresholds sooner.
- B. It offers an additional 5% discount on purchases of All Upfront Reserved Instances.
- C. It provides a simplified billing invoice that the company can process more quickly than a standard invoice.
- D. It gives AWS resellers the ability to bill their customers for usage.

Answer: A

Explanation:

Consolidated billing for AWS Organizations

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. For more information about organizations, see the AWS Organizations User Guide.

Consolidated billing has the following benefits:

*One bill – You get one bill for multiple accounts.

*Easy tracking – You can track the charges across multiple accounts and download the combined cost and usage data.

*Combined usage – You can combine the usage across all accounts in the organization to share the volume pricing discounts, Reserved Instance discounts, and Savings Plans. This can result in a lower charge for your project, department, or company than with individual standalone accounts. For more information, see Volume discounts.

*No extra fee – Consolidated billing is offered at no additional cost. Note:

The member account bills are for informational purpose only. The management account might reallocate the additional volume discounts, Reserved Instance, or Savings Plans discounts that your account receives.

If you have access to the management account, you can see a combined view of the AWS charges that the member accounts incur. You also can get a cost report for each member account.

AWS and AISPL accounts can't be consolidated together. If your contact address is in India, you can use AWS Organizations to consolidate AISPL accounts within your organization.

Important

When a member account leaves an organization, the member account can no longer access Cost Explorer data that was generated when the account was in the organization. The data isn't deleted, and the management account in the organization can still access the data. If the member account rejoins the organization, the member account can access the data again.

NEW QUESTION 301

- (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 305

- (Exam Topic 1)

Which AWS service is a relational database compatible with MySQL and PostgreSQL?

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

Answer: C

NEW QUESTION 309

- (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 314

- (Exam Topic 1)

Which approach will enhance a user's security on AWS?

- A. Use Multi-AZ deployments with Amazon RDS.
- B. Create a hybrid architecture by using AWS Direct Connect.
- C. Monitor application-specific information with AWS X-Ray.
- D. Encrypt data by using AWS Key Management Service (AWS KMS).

Answer: D

NEW QUESTION 315

- (Exam Topic 1)

A retail company is migrating its IT infrastructure applications from on premises to the AWS Cloud. Which costs will the company eliminate with this migration? (Select TWO.)

- A. Cost of data center operations
- B. Cost of application licensing
- C. Cost of marketing campaigns
- D. Cost of physical server hardware
- E. Cost of network management

Answer: AD

NEW QUESTION 318

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