

Amazon

Exam Questions AWS-Certified-Cloud-Practitioner

Amazon AWS Certified Cloud Practitioner



NEW QUESTION 1

- (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 2

- (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 3

- (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 4

- (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 5

- (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 6

- (Exam Topic 1)

A company needs an AWS Support plan that provides programmatic case management through the AWS Support API.

Which support plan will meet this requirement MOST cost-effectively?

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

Answer: B

NEW QUESTION 7

- (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 8

- (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 9

- (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 10

- (Exam Topic 1)

Which of the following are AWS best practice recommendations for the use of AWS Identity and Access Management (IAM)? (Select TWO.)

- A. Use the AWS account root user for daily access.
- B. Use access keys and secret access keys on Amazon EC2.
- C. Rotate credentials on a regular basis.
- D. Create a shared set of access keys for system administrators.
- E. Configure multi-factor authentication (MFA).

Answer: CE

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 10

- (Exam Topic 1)

Which AWS service can help a company detect an outage of its website servers and redirect users to alternate servers?

- A. Amazon CloudFront
- B. Amazon GuardDuty
- C. Amazon Route 53
- D. AWS Trusted Advisor

Answer: D

Explanation:

Amazon Route 53 with DNS Failover, Amazon Route 53 can help detect an outage of your website and redirect your end users to alternate locations where your application is operating properly.

NEW QUESTION 11

- (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 12

- (Exam Topic 1)

Which of the following is an AWS Well-Architected Framework design principle for operational excellence in the AWS Cloud?

- A. Go global in minutes.
- B. Make frequent, small, reversible changes.
- C. Implement a strong foundation of identity and access management.
- D. Stop spending money on hardware infrastructure for data center operations.

Answer: B

Explanation:

Table Description automatically generated

Name	Description
Operational Excellence	The ability to support development and run workloads effectively, gain insight into their operations, and to continuously improve supporting processes and procedures to deliver business value.
Security	The security pillar describes how to take advantage of cloud technologies to protect data, systems, and assets in a way that can improve your security posture.
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. This paper provides in-depth, best practice guidance for implementing reliable workloads on AWS.
Performance Efficiency	The ability to use computing resources efficiently to meet system requirements, and to maintain that efficiency as demand changes and technologies evolve.
Cost Optimization	The ability to run systems to deliver business value at the lowest price point.
Sustainability	The ability to continually improve sustainability impacts by reducing energy consumption and increasing efficiency across all components of a workload by maximizing the benefits from the provisioned resources and minimizing the total resources required.

NEW QUESTION 16

- (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 19

- (Exam Topic 1)

According to the AWS shared responsibility model, which activities are the customer's responsibility for security in the AWS Cloud? (Select TWO.)

- A. Hardware maintenance
- B. Amazon EC2 operating system patching
- C. API access control for AWS resources
- D. Configuration management of infrastructure devices
- E. Maintenance of an Availability Zone

Answer: BC

NEW QUESTION 22

- (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 24

- (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 27

- (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 32

- (Exam Topic 1)

A company requires an isolated environment within AWS for security purposes. Which action can be taken to accomplish this?

- A. Create a separate Availability Zone to host the resources.
- B. Create a separate VPC to host the resources.
- C. Create a placement group to host the resources.
- D. Create an AWS Direct Connect connection between the company and AWS.

Answer: B

Explanation:

Network isolation A virtual private cloud (VPC) is a virtual network in your own logically isolated area in the AWS Cloud. Use separate VPCs to isolate infrastructure by workload or organizational entity. A subnet is a range of IP addresses in a VPC. When you launch an instance, you launch it into a subnet in your VPC. Use subnets to isolate the tiers of your application (for example, web, application, and database) within a single VPC. Use private subnets for your instances if they should not be accessed directly from the internet. To call the Amazon EC2 API from your VPC without sending traffic over the public internet, use AWS PrivateLink. <https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/infrastructure-security.html>

NEW QUESTION 34

- (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 37

- (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 40

- (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 42

- (Exam Topic 1)

A company with AWS Enterprise Support needs help understanding its monthly AWS bill and wants to implement billing best practices. Which AWS tool or resource is available to accomplish these goals?

- A. Resource tagging
- B. AWS Concierge Support team
- C. AWS Abuse team
- D. AWS Support

Answer: B

NEW QUESTION 46

- (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 51

- (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 53

- (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 54

- (Exam Topic 1)

A company is running and managing its own Docker environment on Amazon EC2 instances. The company wants an alternative to help manage cluster size, scheduling, and environment maintenance.

Which AWS service meets these requirements?

- A. AWS Lambda
- B. Amazon RDS
- C. AWS Fargate
- D. Amazon Athena

Answer: C

NEW QUESTION 57

- (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 62

- (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 67

- (Exam Topic 1)

A web application is hosted on AWS using an Elastic Load Balancer, multiple Amazon EC2 instances, and Amazon RDS. Which security measures fall under the responsibility of AWS? (Select TWO.)

- A. Running a virus scan on EC2 instances
- B. Protecting against IP spoofing and packet sniffing
- C. Installing the latest security patches on the RDS instance
- D. Encrypting communication between the EC2 instances and the Elastic Load Balancer
- E. Configuring a security group and a network access control list (NACL) for EC2 instances

Answer: BC

NEW QUESTION 70

- (Exam Topic 1)

Which AWS services provide high availability across multiple Availability Zones by default? (Select TWO.)

- A. Amazon EC2
- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon Redshift
- E. Amazon S3

Answer: BD

NEW QUESTION 74

- (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 77

- (Exam Topic 1)

Which task can a company complete by using AWS Organizations?

- A. Track application deployment statuses globally.
- B. Remove unused and underutilized AWS resources across all accounts.
- C. Activate DDoS protection across all accounts.
- D. Share pre-purchased Amazon EC2 resources across accounts.

Answer: B

Explanation:

Using AWS Organizations, you can programmatically create new AWS accounts and allocate resources, group accounts to organize your workflows, apply policies to accounts or groups for governance, and simplify billing by using a single payment method for all of your accounts.

NEW QUESTION 81

- (Exam Topic 1)

A company is moving its virtual machines (VMs) from an on-premises environment to the AWS Cloud. The company plans to deploy Amazon EC2 instances. Which cloud computing model will the company use in this scenario?

- A. Platform as a service (PaaS)
- B. Infrastructure as a service (IaaS)
- C. Function as a service (FaaS)
- D. Software as a service (SaaS)

Answer: B

NEW QUESTION 86

- (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 89

- (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 90

- (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 94

- (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 99

- (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 102

- (Exam Topic 1)

A user has been granted permission to change their own IAM user password. Which AWS services can the user use to change the password? (Select TWO.)

- A. AWS Command Line Interface (AWS CLI)
- B. AWS Key Management Service (AWS KMS)

- C. AWS Management Console
- D. AWS Resource Access Manager (AWS RAM)
- E. AWS Secrets Manager

Answer: AC

NEW QUESTION 103

- (Exam Topic 1)

Which Reserved Instance (RI) provides the HIGHEST average cost savings compared to an On-Demand Instance?

- A. 1-yea
- B. No Upfron
- C. Standard RI
- D. 1-yea
- E. All Upfron
- F. Convertible RI
- G. 3-yea
- H. All Upfront, Standard RI
- I. 3-yea
- J. No Upfron
- K. Convertible RI

Answer: C

Explanation:

<https://aws.amazon.com/ec2/pricing/reserved-instances/pricing/>

NEW QUESTION 104

- (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 107

- (Exam Topic 1)

What is a benefit of using AWS serverless computing?

- A. Application deployment and management are not required.
- B. Application security will be fully managed by AWS.
- C. Monitoring and logging are not needed.
- D. Management of infrastructure is offloaded to AWS.

Answer: D

Explanation:

Serverless computing allows you to build and run applications and services without thinking about servers. With serverless computing, your application still runs on servers, but all the server management is done by AWS.

NEW QUESTION 112

- (Exam Topic 1)

Which databases are available on Amazon RDS? (Select TWO.)

- A. Sybase
- B. Microsoft SQL Server
- C. IBM Db2
- D. MongoDB
- E. PostgreSQL

Answer: BE

NEW QUESTION 115

- (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 116

- (Exam Topic 1)

Which AWS service keeps track of SSL/TLS certificates, creates new certificates, and processes renewals?

- A. AWS Identity and Access Management (IAM)
- B. AWS Certificate Manager (ACM)
- C. AWS Config
- D. AWS Trusted Advisor

Answer: B

Explanation:

AWS Certificate Manager helps manage the challenges of maintaining SSL/TLS certificates, including certificate renewals so you don't have to worry about expiring certificates. Learn more about provisioning, managing, and deploying public and private SSL/TLS certificates.

NEW QUESTION 119

- (Exam Topic 1)

A company needs to audit its AWS resources. The company must document any changes that have been made to the resources. Which AWS service will meet these requirements?

- A. AWS Artifact
- B. AWS Config
- C. Amazon Inspector
- D. Amazon CloudWatch

Answer: B

NEW QUESTION 121

- (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 122

- (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 127

- (Exam Topic 2)

A company wants to receive alerts when resources that are launched in the company's AWS account reach 80% of their service quotas. Which AWS service should the company use to meet this requirement?

- A. AWS CloudTrail
- B. AWS Trusted Advisor
- C. AWS Config
- D. Amazon inspector

Answer: B

NEW QUESTION 130

- (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 133

- (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 137

- (Exam Topic 2)

A developer wants to deploy an application on a container-based service. The service must automatically provision and manage the backend instances. The service must provision only the necessary resources. Which AWS service will meet these requirements?

- A. Amazon EC2
- B. Amazon Lightsail
- C. Amazon Elastic Kubernetes Service (Amazon EKS)
- D. AWS Margate

Answer: D

NEW QUESTION 140

- (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 143

- (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 148

- (Exam Topic 2)

A company runs a web application on Amazon EC2 instances. The application has consistent usage and is expected to run indefinitely. Which EC2 instance purchasing option will meet these requirements MOST cost-effectively?

- A. 1-year All Upfront Reserved Instances
- B. 1-year No Upfront Reserved Instances
- C. 3-year All Upfront Reserved Instances
- D. 3-year No Upfront Reserved Instances

Answer: C

NEW QUESTION 149

- (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 151

- (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 155

- (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 157

- (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 162

- (Exam Topic 2)

Which of the following can be used to identify a specific user who stopped an Amazon EC2 instance?

- A. AWS CloudTrail
- B. Amazon inspector
- C. Amazon CloudWatch
- D. VPC Flow Logs

Answer: A

NEW QUESTION 164

- (Exam Topic 2)

Which of the following is a component of the AWS Global infrastructure?

- A. Amazon Alexa
- B. AWS Regions
- C. Amazon Lightsail
- D. AWS Organizations

Answer: B

NEW QUESTION 167

- (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 169

- (Exam Topic 2)

A company wants to deploy, scale, and manage third-party virtual appliances in a cluster in the AWS Cloud. These applications include firewalls, intrusion detection and prevention systems, and deep packet inspection systems.

Which AWS service or resource will meet these requirements?

- A. Application Load Balancer
- B. Gateway Load Balancer
- C. Network Load Balancer
- D. AWS Global Accelerator

Answer: B

Explanation:

<https://docs.aws.amazon.com/prescriptive-guidance/latest/integrate-third-party-services/resources.html>

NEW QUESTION 172

- (Exam Topic 2)

Which AWS service or feature will search for and identify AWS resources that are stored externally?

- A. Amazon OpenSearch Service (Amazon Elasticsearch Service)
- B. AWS Control Tower
- C. AWS IAM Access Analyzer
- D. AWS Fargate

Answer: C

NEW QUESTION 173

- (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 174

- (Exam Topic 2)

A company needs to use third-party software for its workload on AWS. Which AWS service or feature can the company use to purchase the software?

- A. AWS Resource Access Manager
- B. AWS Manager Services
- C. AWS License Manager
- D. AWS Marketplace

Answer: D

NEW QUESTION 175

- (Exam Topic 2)

Management at a large company wants to avoid long-term contracts and is interested in AWS to move from fixed costs to variable costs. What is the value proposition of AWS for this company?

- A. Economy of scale
- B. Pay-as-you-go pricing
- C. Volume discounts
- D. Cost optimization

Answer: B

NEW QUESTION 176

- (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 180

- (Exam Topic 2)

Which AWS service provides managed DDoS protection?

- A. AWS Firewall Manager
- B. AWS Shield
- C. Amazon GuardDuty
- D. Amazon Inspector

Answer: B

NEW QUESTION 184

- (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 189

- (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 194

- (Exam Topic 2)

A company needs a data warehouse for analytical workloads. The data warehouse must support standard SQL queries. Which AWS service meets these requirements?

- A. Amazon EMR
- B. Amazon Athena
- C. Amazon Redshift
- D. Amazon HDS

Answer: C

NEW QUESTION 196

- (Exam Topic 2)

A company recently migrated to AWS and wants to enable intelligent threat protection and continuous monitoring across all of its AWS accounts. Which AWS service should the company use to achieve this goal?

- A. Amazon Macie
- B. Amazon GuardDuty
- C. AWS Shield
- D. Amazon Detective

Answer: B

NEW QUESTION 201

- (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 202

- (Exam Topic 2)

A company that is migrating to the AWS Cloud wants to reduce the operational costs of running its databases. Which combination of actions should the company take to achieve this goal (Select TWO.)

- A. Activate Amazon DynamoDB Accelerator (DAX)
- B. Deploy resources across multiple Availability Zones.
- C. Decrease operational tasks by using AWS managed services.
- D. Automate changes and responses to events.
- E. Use the AWS global infrastructure to benefit from economies of scale

Answer: CD

NEW QUESTION 204

- (Exam Topic 2)

Which AWS service is a fully hosted version control service?

- A. AWS CodeCommit
- B. AWS CodeBuild
- C. AWS CodeDeploy
- D. AWS CodeStar

Answer: B

Explanation:

CodeCommit is a secure, highly scalable, managed source control service that hosts private Git repositories. CodeCommit eliminates the need for you to manage your own source control system or worry about scaling its infrastructure. You can use CodeCommit to store anything from code to binaries. It supports the standard functionality of Git, so it works seamlessly with your existing Git-based tools.

NEW QUESTION 208

- (Exam Topic 2)

A company wants to offer direct phone and chat channels for customer service. The company needs a pay-as-you-go solution that remote customer service agents can use to create and manage voice and chat contact flows.

Which AWS service will meet these requirements?

- A. Amazon EventBridge (Amazon CloudWatch Events)
- B. Amazon Connect
- C. Amazon Cognito
- D. AWS Direct Connect

Answer: B

NEW QUESTION 211

- (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 216

- (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 218

- (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 223

- (Exam Topic 2)

Which AWS hybrid storage service enables a user's on-premises applications to seamlessly use AWS Cloud storage?

- A. AWS Backup
- B. Amazon Connect
- C. AWS Direct Conned
- D. AWS Storage Gateway

Answer: D

NEW QUESTION 226

- (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 227

- (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 230

- (Exam Topic 2)

A company has acquired several other companies. All the companies host their IT infrastructure in the AWS Cloud. Which AWS service should the acquiring company use to centralize the account management?

- A. AWS Systems Manager
- B. AWS Organizations
- C. AWS Security Hub
- D. Amazon Workspaces

Answer: B

NEW QUESTION 235

- (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 236

- (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 238

- (Exam Topic 3)

A company needs to store infrequently used data archives and long-term backups.

Which AWS service or storage class will meet these requirements MOST cost-effectively?

- A. Amazon FSx for Lustre.

- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon S3 Glacier Flexible Retrieval

Answer: D

NEW QUESTION 239

- (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 240

- (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 241

- (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 245

- (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 250

- (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 252

- (Exam Topic 3)

Which AWS service can be used to decouple applications?

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

Answer: B

Explanation:

https://docs.aws.amazon.com/sqs/?id=docs_gateway

Amazon Simple Queue Service (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 moves data between distributed application components and helps you decouple these components.

NEW QUESTION 253

- (Exam Topic 3)

A company wants to continuously improve processes and procedures to deliver business value. Which pillar of the AWS Well-Architected Framework does this goal represent?

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

Answer: B

Explanation:

<https://aws.amazon.com/blogs/apn/the-6-pillars-of-the-aws-well-architected-framework/#:~:text=1.,Operational>

NEW QUESTION 258

- (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 259

- (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 261

- (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 264

- (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 269

- (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 274

- (Exam Topic 3)

How does the AWS Cloud help companies build agility into their processes and cloud infrastructure?

- A. Companies can avoid provisioning too much capacity when they do not know how much capacity is required.
- B. Companies can expand into new geographic regions.
- C. Companies can access a range of technologies to experiment and innovate quickly.
- D. Companies can pay for IT resources only when they use the resources.

Answer: C

NEW QUESTION 279

- (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 284

- (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 285

- (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 286

- (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 288

- (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)

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 294

- (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 298

- (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 303

- (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 304

- (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 309

- (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 313

- (Exam Topic 3)

What is a benefit of using AWS serverless computing?

- A. Application deployment and management are not required.
- B. Application security will be fully managed by AWS.
- C. Monitoring and logging are not needed.
- D. Management of infrastructure is offloaded to AWS.

Answer: A

NEW QUESTION 318

- (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 320

- (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 321

- (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 324

- (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 329

- (Exam Topic 3)

A company wants to protect resources that the company hosts on AWS, including Application Load Balancers and Amazon CloudFront distributions. The company wants an AWS service that can provide near real-time visibility into attacks on the company's resources. The service must also have a dedicated AWS team to assist with distributed denial of service (DDoS) attacks.

Which AWS service will meet these requirements?

- A. AWS WAF
- B. AWS Shield Standard
- C. Amazon Macie
- D. AWS Shield Advanced

Answer: D

Explanation:

<https://aws.amazon.com/shield/faqs/>

NEW QUESTION 333

- (Exam Topic 3)

Which AWS service gives a company the ability to use a private, dedicated connection between a VPC and an on-premises data center?

- A. AWS Direct Connect
- B. Amazon API Gateway
- C. AWS Systems Manager
- D. AWS CloudFormation

Answer: A

NEW QUESTION 336

- (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 341

- (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 345

- (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 347

- (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 349

- (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 350

- (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 354

- (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 358

- (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 360

- (Exam Topic 3)

Which AWS service gives a company the ability to use a private, dedicated connection between a VPC and an on-premises data center?

- A. AWS Direct Connect
- B. Amazon API Gateway
- C. AWS Systems Manager
- D. AWS CloudFormation

Answer: C

NEW QUESTION 365

- (Exam Topic 3)

A company has an on-premises application. The application has process times of less than 5 minutes and is invoked only a few times each day. The company wants to move the application to the AWS Cloud.

Which AWS service will support this application MOST cost-effectively?

- A. Amazon Elastic Container Service (Amazon ECS)
- B. AWS Lambda
- C. Amazon Elastic Kubernetes Service (Amazon EKS)
- D. Amazon EC2

Answer: C

NEW QUESTION 370

- (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 372

- (Exam Topic 3)

Which AWS service allows a user to provision a managed MySQL DB instance?

- A. Amazon DynamoDB
- B. Amazon Redshift
- C. Amazon RDS
- D. AWS Database Migration Service (AWS DMS)

Answer: C

NEW QUESTION 375

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