Exam Questions CLF-C02

AWS Certified Cloud Practitioner

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NEW QUESTION 1
- (Exam Topic 1)
Which AWS service allows for file sharing between multiple Amazon EC2 instances?

A. AWS Direct Connect
B. AWS Snowball Edge
C. AWS Backup
D. Amazon Elastic File System (Amazon EFS)

Answer: D

Explanation:
Amazon EFS provides shared file storage for use with compute instances in the AWS Cloud and on-premises servers. Applications that require shared file access can use Amazon EFS for reliable file storage delivering high aggregate throughput to thousands of clients simultaneously.

NEW QUESTION 2
- (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 3
- (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 4
- (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 5
- (Exam Topic 1)
Which cloud computing benefit does AWS demonstrate with its ability to offer lower variable costs as a result of high purchase volumes?

A. Pay-as-you-go pricing
B. High availability
C. Global reach
D. Economies of scale

Answer: D

NEW QUESTION 6
- (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 7
- (Exam Topic 1)
Which tasks are responsibilities of AWS, according to the AWS shared responsibility model? (Select TWO.)

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

Answer: AD

NEW QUESTION 8
- (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 9
- (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 10
- (Exam Topic 1)
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: CE

NEW QUESTION 10
- (Exam Topic 1)
An ecommerce company has migrated its IT infrastructure from an on-premises data center to the AWS Cloud. Which cost is the company's direct responsibility?

A. Cost of application software licenses
B. Cost of the hardware infrastructure on AWS
C. Cost of power for the AWS servers
D. Cost of physical security for the AWS data center

Answer: A

NEW QUESTION 15
- (Exam Topic 1)
A company is running an Amazon EC2 instance in a VPC.
Which of the following can the company use to route and filter incoming network requests for the EC2 instance?

A. Route tables and web application firewalls
B. Security groups and route tables
C. Security groups and a network intrusion system
D. Route tables and AWS Shield

Answer: B

NEW QUESTION 20
- (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 23
- (Exam Topic 1)
Which AWS benefit enables users to deploy cloud infrastructure that consists of multiple geographic regions connected by a network with low latency, high throughput, and redundancy?

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

Answer: C

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

NEW QUESTION 28
- (Exam Topic 1)
Which Amazon S3 feature or storage class uses the AWS backbone network and edge locations to reduce latencies from the end user to Amazon S3?

A. S3 Cross-Region Replication
B. S3 Transfer Acceleration
C. S3 Event Notifications
D. S3 Standard-Infrequent Access (S3 Standard-IA)

Answer: B

Explanation:
S3TA improves transfer performance by routing traffic through Amazon CloudFront's globally distributed Edge Locations and over AWS backbone networks, and by using network protocol optimizations.

NEW QUESTION 31
- (Exam Topic 1)
Which combination of steps will enable multi-factor authentication (MFA) on an AWS account? (Select TWO.)

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

Answer: BC

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

NEW QUESTION 36
- (Exam Topic 1)
Which AWS service provides an isolated virtual network to connect AWS services and resources?

A. Amazon EC2
B. Amazon DynamoDB
C. Amazon Lightsail
D. Amazon VPC

Answer: D

Explanation:
Amazon Virtual Private Cloud (Amazon VPC) enables you to launch AWS resources into a virtual network that you've defined. This virtual network closely resembles a traditional network that you'd operate in your own data center, with the benefits of using the scalable infrastructure of AWS.

NEW QUESTION 40
- (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 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 43
- (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 45
- (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 48
- (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 50
- (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 55
- (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 57
- (Exam Topic 1)
A company needs to design an AWS disaster recovery plan to cover multiple geographic areas. Which action will meet this requirement?

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

Answer: C

NEW QUESTION 59
- (Exam Topic 1)
Which AWS service enables the decoupling and scaling of applications?

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

Answer: A

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

NEW QUESTION 62
- (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 67
- (Exam Topic 1)
Which of the following are design principles of the reliability pillar of the AWS Well-Architected Framework? (Select TWO.)

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

Answer: BE

NEW QUESTION 69
- (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 70
- (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 75
- (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 80
- (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 81
- (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 85
- (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 89
- (Exam Topic 1)
A company's on-premises application deployment cycle was 3-4 weeks. After migrating to the AWS Cloud, the company can deploy the application in 2-3 days. Which benefit has this company experienced by moving to the AWS Cloud?

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

Answer: C

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

NEW QUESTION 92
- (Exam Topic 1)
A company is moving its on-premises NoSQL database to the AWS Cloud Which AWS service should the company use for the NoSQL database?

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

Answer: D

NEW QUESTION 94
- (Exam Topic 1)
Which of the following consists of one or more isolated data centers in the same regional area that are interconnected through low-latency networks?

A. Availability Zone
B. Edge location
C. AWS Region
D. Private networking

Answer: A

NEW QUESTION 99
- (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 102
- (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 103
- (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 106
- (Exam Topic 1)
Which task can a user complete by using AWS Identity and Access Management (IAM)?

A. Validate JSON syntax from an application configuration file.
B. Analyze logs from an Amazon API Gateway call.
C. Filter traffic to or from an Amazon EC2 instance.
D. Grant permissions to applications that run on Amazon EC2 instances.

Answer: D

Explanation:
AWS Identity and Access Management (IAM) is a web service for securely controlling access to AWS resources. It enables you to create and control services for user authentication or limit access to a certain set of people who use your AWS resources.

NEW QUESTION 108
- (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 113
- (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 118
- (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 123
- (Exam Topic 1)
Which AWS service should a company use to decouple large monolithic applications into smaller microservices components?

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

Answer: C

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

NEW QUESTION 128
- (Exam Topic 1)
Which of the following is the customer responsible for updating and patching, according to the AWS shared responsibility model?

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

Answer: B

NEW QUESTION 131
- (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 132
- (Exam Topic 2)
A company is running a Microsoft SOL 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 135
- (Exam Topic 2)
An ecommerce comply is using Amazon EC2 Auto Scaling groups to manage a fleet of web servers running on Amazon EC2. This architecture follows which AWS Well/architected Framework best practice?

A. Secure the workload
B. Decouple infrastructure components
C. Design for failure
D. Think parallel

Answer: C

NEW QUESTION 138
- (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 butt-m deployment hooks lo 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 143
- (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 146
- (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 149
- (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 151
- (Exam Topic 2)
A company is developing a new Node.js application. The application must have a scalabe NoSQL database to meet increasing demand as the popularity of the application grown.
Which AWS services will meet the requirements for the database?

A. Amazon Aurora Serverless
B. Amazon ElastiCache
C. Amazon DynamocDB
D. Amazon Redshift

Answer: C

NEW QUESTION 152
- (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 153
- (Exam Topic 2)
Which pillar of Vie AWS Well-Architected Framework is focused on the ability of a workload lo 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 154
- (Exam Topic 2)
Which of the following are security principles in the AWS Well-Architected Framework? (Select TWO.)

A. Analyze and attribute expenditures
B. Monitor, alert and audit actions and changes to AWS resources
C. Deploy globally in minutes
D. Protect data in transit and at rest
E. Perform operations as code

Answer: BD

NEW QUESTION 156
- (Exam Topic 2)
A company that uses AWS needs to transfer 2 TB of data.
Which type of transfer of that data would result in no cost for the company?

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

Answer: B

NEW QUESTION 158
- (Exam Topic 2)
Which of the following can be used to identity a specific user who slopped an Amazon EC2 instance?

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

Answer: A

NEW QUESTION 159

- (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 161
- (Exam Topic 2)
A company is using Amazon EC2 instances.
Which tasks are the company's responsibility, according to the AWS shared responsibility model? (Select TWO.)

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

Answer: DE

NEW QUESTION 166
- (Exam Topic 2)
A company is running a regulated Linux-based application. The application must run every Ft day horn 8 AM until midnight. The application is critical and cannot be interrupted Which Amazon EC2 instance purchasing option meets this requirement MOST cost-effectively?

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

Answer: A

NEW QUESTION 168
- (Exam Topic 2)
A company puns to move its on-premises servers to Amazon EC2 instances. The company has 50 different business units and wants to separate each billing lot each unit. What should a cloud practitioner recommend?

A. Use separate AWS accounts for each business unit men filter by unit using the coverage report
B. Place each business unit in a different AWS Region then filter by unit in Cost Explorer.
C. Tag each business unit's resources then filter by unit in Cost Explorer
D. Use a Afferent VPC for each business unit then Mar by unit using an AWS Cost and Usage Report

Answer: C

NEW QUESTION 170
- (Exam Topic 2)
A company wants to push VPC Flow Logs to an Amazon S3 bucket.
Which action is the company's responsibility?

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

Answer: C

NEW QUESTION 173
- (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 174
- (Exam Topic 2)
A company recently mutated 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 lo achieve this goal?

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

Answer: B

NEW QUESTION 179
- (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 184
- (Exam Topic 2)
Which of the following are benefits that a company receives when it moves an on-premises internet-lacing 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 185
- (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 190
- (Exam Topic 2)
Which task is the responsibility of the customer according to the AWS snared responsibility model?

A. Patch the Amazon DynamoDB operating system
B. Secure Amazon CloudFront edge locations by allowing physical access according to the principle of least privilege
C. Protect the hardware that runs AWS services
D. Use AWS Identity and Access Management (IAM) according to the principle of least privilege

Answer: D

NEW QUESTION 195
- (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 199
- (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 200
- (Exam Topic 2)
A company moves a workload to AWS lo run on Amazon EC2 instances. The company needs to run the workload in the most cost-effective way.
What can the company do lo meet this requirement?

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

Answer: D

NEW QUESTION 201
- (Exam Topic 2)
A company plans to migrate complex legacy systems to AWS. The company will use several operating systems multiple databases and multiple programming languages. Which benefit of the AWS Cloud does this scenario represent?

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

Answer: B

NEW QUESTION 205
- (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 207
- (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 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 209
- (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 212
- (Exam Topic 2)
Which of the following are advantages of moving to the AWS Cloud? (Select TWO.)

A. Users can implement all AWS services in seconds.
B. AWS assumes all responsibility for the security of infrastructure and applications.
C. Users experience increased speed and agility.
D. Users benefits from massive economies of scale.
E. Users can more hardware from their data center to the AWS Cloud.

Answer: AD

NEW QUESTION 215
- (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 220
- (Exam Topic 2)
Wh.cn of lite following is advantages of the AWS Cloud? (Select TWO.)

A. Trade variable expenses tor 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 221
- (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 225
- (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 229
- (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 234

- (Exam Topic 2)
Which pillar of the AWS Well-Architected Framework refers to the ability of a system to recover from infrastructure or service disruptions and dynamically acquire computing resources to meet demand?

A. Security
B. Reliability
C. Performance efficiency
D. Cost optimization

Answer: B

NEW QUESTION 237
- (Exam Topic 2)
How can a user protect an Amazon EC2 instance from a suspicious IP address?

A. Block the IP on the inbound rule of a network ACL.
B. Block the IP on the outbound rule of a security group.
C. Block the IP on the inbound rule of a security group and network ACL.
D. Block the IP on the outbound rule of a security group and network ACL.

Answer: A

NEW QUESTION 239
- (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 244
- (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 248
- (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 249
- (Exam Topic 2)
Which actions is 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 254
- (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 255
- (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 257
- (Exam Topic 2)
Which benefit of cloud computing gives a company the ability to deploy applications to users all over the world through a network of AWS Regions, Availability Zones, and edge locations?

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

Answer: C

NEW QUESTION 258
- (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 259
- (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 261
- (Exam Topic 3)
Which AWS service, feature, or tool helps visualize the pattern of AWS spending?

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

Answer: A

NEW QUESTION 265
- (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 269
- (Exam Topic 3)
A company is developing a new web application. The company must give users the ability to log in to the application through social identity providers.
Which AWS service will meet these requirements?

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

Answer: D

NEW QUESTION 271
- (Exam Topic 3)
A company wants to improve its security and audit posture by limiting Amazon EC2 inbound access. What should the company use to access instances remotely instead of opening inbound SSH ports and
managing SSH keys?

A. EC2 key pairs
B. AWS Systems Manager Session ManagerC AWS Identity and Access Management (1AM)
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 273
- (Exam Topic 3)
Which combination of AWS services or features can a company use to encrypt data in transit and data at rest? (Select TWO.)

A. AWS Lambda
B. AWS Key Management Service (AWS KMS)
C. Amazon CloudWatch metrics
D. AWS Certificate Manager (ACM)
E. AWS Systems Manager

Answer: BD

NEW QUESTION 278
- (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 281
- (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 286
- (Exam Topic 3)
According to the AWS shared responsibility model, the customer is responsible for applying the latest security updates and patches for which of the following?

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

Answer: B

NEW QUESTION 287
- (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 288
- (Exam Topic 3)
A company wants to move petabytes of historical data into the AWS Cloud. The company needs to transfer the data from a remote location that does not have reliable network services.
Which AWS service will meet these requirements?

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

Answer: A

NEW QUESTION 289
- (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 291
- (Exam Topic 3)
A company wants its Amazon EC2 instance to share the same geographic area but use redundant underlying power sources.
Which solution will meet these requirements?

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

Answer: A

NEW QUESTION 295
- (Exam Topic 3)
Which AWS benefit enables users to deploy cloud infrastructure that consists of multiple geographic regions connected by a network with low latency, high throughput, and redundancy?

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

Answer: D

NEW QUESTION 297
- (Exam Topic 3)
Which AWS service or resource is serverless?

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

Answer: D

NEW QUESTION 298
- (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 300
- (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 303
- (Exam Topic 3)
Which AWS service or feature can a company use to apply security rules to a subnet for Amazon EC2 instances?

A. AWSWAF
B. AWS Shield
C. Network ACLs
D. Security groups

Answer: B

NEW QUESTION 306
- (Exam Topic 3)
Which of the following is an architectural design principle of the AWS WeII-Architected Framework?

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

Answer: A

NEW QUESTION 309
- (Exam Topic 3)
A company moves a workload to AWS to run on Amazon EC2 instances. The company needs to run the workload in the most cost-effective way. What can the company do to meet this requirement?

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

Answer: D

NEW QUESTION 310
- (Exam Topic 3)
Which pillar of the AWS Well-Architected Framework includes the design principle of defining workloads, applications, and infrastructure as code (laC)?

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

Answer: A

NEW QUESTION 313
- (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 316
- (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 319
- (Exam Topic 3)
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 324
- (Exam Topic 3)
Which of the following will help a user determine if they need to request a VPC service limit increase?

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

Answer: A

NEW QUESTION 326
- (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 CIoudHSM
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 327
- (Exam Topic 3)
Which AWS service can convert taxi 10 lifelike speech?

A. Amazon Policy
B. Amazon Textract
C. Amazon Transcribe
D. Amazon Comprehend

Answer: C

NEW QUESTION 330
- (Exam Topic 3)
An ecommerce company plans move its data center workload to the AWS Cloud to support highly dynamic usage patterns.
Which benefit make the AWS Cloud cost-effective for the migration of this type of workload? (Select TWO.)

A. Reliability

B. Security
C. Elasticity
D. Pay-as-you-go resource pricing
E. High availability

Answer: CD

NEW QUESTION 335
- (Exam Topic 3)
A company is running a critical workload on an Amazon RDS D8 instance. The company needs the DB instance to be highly available with a recovery time of less than 5 minutes. Which solution will meet these requirements?

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

Answer: D

Explanation:
A Multi-AZ deployment of Amazon RDS automatically provisions and maintains a synchronous standby replica in a different availability zone (AZ) than the primary instance. In the event of a failure of the primary instance, the replica is promoted to be the new primary instance, and the recovery time is less than 5 minutes. This ensures high availability for the critical workload and meets the company's requirement for a recovery time of less than 5 minutes. Additionally, it also provides automatic failover and data replication, so in case of any disaster or unplanned outage you will have a fully-working DB instance up and running with minimal data loss.
Reference:
[1] https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html [2] https://aws.am

NEW QUESTION 340
- (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 341
- (Exam Topic 3)
A company needs network access to be restricted to an Amazon EC2 instance for certain ports. Which AWS services or features will support this requirement? (Select TWO.)

A. Amazon Elastic Block Store (Amazon EBS)
B. Network ACLs
C. IAM Password rotation policy
D. Security groups
E. Amazon Route 53 record sets

Answer: BD

NEW QUESTION 344
- (Exam Topic 3)
Which AWS service is a cloud security posture management (CSPM) service that aggregates alerts from various AWS services and partner products in a standardized format?

A. AWS Security Hub
B. AWS Trusted Advisor
C. Amazon EventBridge
D. Amazon GuardDuty

Answer: A

Explanation:
Use AWS Security Hub to automate security best practice checks, aggregate security alerts into a single place and format, and understand your overall security posture across all of your AWS accounts.

NEW QUESTION 346
- (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 351
- (Exam Topic 3)
Which AWS service or feature can a company use to create a private, secured, and scalable network environment in the AWS Cloud?

A. Amazon Elastic Container Service (Amazon ECS)
B. Amazon S3
C. Amazon VPC
D. Route tables

Answer: C

NEW QUESTION 353
- (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 357
- (Exam Topic 3)
Which AWS service should a cloud practitioner use to identify security vulnerabilities of an AWS account?

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

Answer: D

NEW QUESTION 362
- (Exam Topic 3)
A company needs to organize its resources and track AWS costs on a detailed level. The company needs to categorize costs by business department, environment, and application.
Which solution will meet these requirements?

A. Access the AWS Cost Management console to organize resources, set an AWS budget, and receive notifications of unintentional usage.
B. Use tags to organize the resource
C. Activate cost allocation tags to track AWS costs on a detailed level.
D. Create Amazon CloudWatch dashboards to visually organize and track costs individually.
E. Access the AWS Billing and Cost Management dashboard to organize and track resource consumption on a detailed level.

Answer: A

NEW QUESTION 364
- (Exam Topic 3)
Which AWS service provides a virtual desktop solution?

A. Amazon EC2
B. AWS Elastic Beanstalk
C. AWS System Manager
D. Amazon Workspaces

Answer: C

NEW QUESTION 365
- (Exam Topic 3)
A company is planning to configure multi-factor authentication (MFA) for a business application. The company needs to use text messages to distribute one-time

passwords to us customers worldwide. When AWS service should the company use to meet this requirement?

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

Answer: C

NEW QUESTION 368
- (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 373
- (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 377
- (Exam Topic 3)
A company wants to reconfigure its ecommerce application to automatically scale to meet customer demands. The company wants the operating system that the application runs on to be automatically updated.
Which AWS service will meet these requirements?

A. Amazon Lightsail
B. Amazon EC2
C. AWS Lambda
D. Amazon EC2 Auto Scaling

Answer: C

NEW QUESTION 379
- (Exam Topic 3)
Which of the following is included within the security pillar of the AWS Well-Architected Framework?

A. Identity federation
B. Data protection
C. Incident reporting
D. Disaster recovery

Answer: B

NEW QUESTION 381
- (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 386
- (Exam Topic 3)
Which of the following is a benefit of deploying workloads in multiple AWS Regions?

A. It increases the performance of Amazon EC2 instances.
B. It is the most cost-effective deployment model.
C. It is faster to deploy workloads across multiple AWS Regions than in a single Region.

D. It reduces latency for users who are in different geographic areas.

Answer: D

NEW QUESTION 387
- (Exam Topic 3)
Which AWS service or feature can a company use to estimate AWS costs before provisioning workloads?

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

Answer: A

NEW QUESTION 392
- (Exam Topic 3)
A company is moving its on-premises key-value database to the AWS Cloud Which AWS service will support this use case?

A. Amazon RDS
B. Amazon ElastiCache
C. Amazon DynamoDB
D. Amazon Redshift

Answer: C

NEW QUESTION 395
- (Exam Topic 3)
A company needs to generate reports that can break down cloud costs by product, by company-defined tags, and by hour. day. and month.
Which AWS tool should the company use to meet these requirements?

A. Reserved Instance utilization and coverage reports
B. Savings Plans utilization reports
C. AWS Budgets reports
D. AWS Cost and Usage Reports

Answer: D

NEW QUESTION 398
- (Exam Topic 3)
Which AWS compute service automatically scales resources up or down to meet application workload demands?

A. Amazon Simple Queue Service (Amazon SQS)
B. Amazon EC2
C. Amazon Aurora
D. AWS Lambda

Answer: C

NEW QUESTION 401
- (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 405
- (Exam Topic 3)
A company has an on-premises application. The application has process times of less than 5 minutes and is involved 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 Kubemetes Service (Amazon EKS)
D. Amazon EC2

Answer: C

NEW QUESTION 407
- (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 411
- (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 416
- (Exam Topic 3)
A company is using AWS Organizations to configure AWS accounts. Which design principle is a best practice for the company to implement?

A. Organize accounts based on security and operational needs.
B. Assign multiple sets of related workloads to each production account.
C. Deploy workloads to the organization's management account.
D. Combine production workloads and non-production workloads.

Answer: A

NEW QUESTION 421
- (Exam Topic 3)
A company wants to query its server logs to gain insights about its customers' experiences. Which AWS service will store this data MOST cost-effectively?

A. Amazon Aurora
B. Amazon Elastic File System (Amazon EFS)
C. Amazon Elastic Block Store (amazon EBS)
D. Amazon S3

Answer: C

NEW QUESTION 423
- (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 428
- (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 429
- (Exam Topic 3)
A company wants to use an Amazon EC2 instance that has a pre-installed third-party firewall. Which AWS service or feature can provide this solution?

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

Answer: B

NEW QUESTION 431
- (Exam Topic 3)
What is a customer responsibility under the AWS shared responsibility model when using AWS Lambda?

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

Answer: C

NEW QUESTION 432
- (Exam Topic 3)
What is a characteristic of Convertible Reserved Instances (RIs)?

A. Users can exchange Convertible RIs for other Convertible RIs from a different instance family.
B. Users can exchange Convertible RIs for other Convertible RIs in different AWS Regions.
C. Users can sell and buy Convertible RIs on the AWS Marketplace.
D. Users can shorten the term of their Convertible RIs by merging them with other Convertible RIs.

Answer: A

NEW QUESTION 433
- (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 438
- (Exam Topic 3)
Which of the following is an advantage that the AWS Cloud provides to users?

A. Users eliminate the need to guess about infrastructure capacity requirements.
B. Users decrease their variable costs by maintaining sole ownership of IT hardware.
C. Users maintain control of underlying IT infrastructure hardware.
D. Users maintain control of operating system for managed services.

Answer: A

NEW QUESTION 442
- (Exam Topic 3)
A company uses Amazon EC2 instances to run its web application. The company uses On-demand instances and Spot instances. The company needs to visualize its monthly spending on both types of instances.
Which AWS service or feature will meet this requirement?

A. AWS Cost Explorer
B. AWS Budgets
C. Amazon CloudWatch
D. AWS Cost Categories

Answer: A

NEW QUESTION 446

- (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 449
- (Exam Topic 3)
Which AWS services can a company use to transfer on-premises data to the AWS Cloud? (Select TWO.)

A. AWS Snowcone
B. AWS Transit Gateway
C. AWS DataSync
D. AWS Backup
E. Amazon Connect

Answer: AC

NEW QUESTION 454
- (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 457
- (Exam Topic 3)
A company needs to low-code, visual workflow service that developers can use to build distributed applications.
Which AWS service is designated to meet these requirements?

A. AWS Step Functions
B. AWS Config
C. AWS Lambda
D. Amazon CloudWatch

Answer: A

NEW QUESTION 458
- (Exam Topic 3)
A company plans to host its data warehouse application on AWS. The company has a machine learning (ML) model and wants to use that model within its data warehouse for data forecasting.
Which AWS service will meet these requirements?

A. Amazon DynamoDB
B. Amazon Redshift ML
C. Amazon Aurora ML
D. Amazon MemoryDB for Radis

Answer: B

NEW QUESTION 459
- (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 461
- (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 466
- (Exam Topic 3)
A cloud practitioner needs to design a NoSQL database that is highly scalable, is durable, and requires minimal maintenance. Which AWS service meets these requirements?

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

Answer: C

NEW QUESTION 469
- (Exam Topic 3)
A company wants to rightsized its Amazon EC2 instances.
Which configuration change will meet this requirement with the LEAST operational overhead?

A. Add EC2 instances in another Availability Zone.
B. Change the size and type of the EC2 instances based on utilization.
C. Convert the payment method from On-Demand to Savings Plans.
D. Retravision the EC2 instances with a larger instance type.

Answer: B

NEW QUESTION 470
- (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 471
- (Exam Topic 3)
A company has an application that stores a high volume of unstructured data and session history. The company needs to scale the application reliably to millions of concurrent users while ensuring consistent low latency.
Which AWS service meets these requirements?

A. Amazon RDS for MariaDB
B. Amazon DynamoDB
C. Amazon RDS for SQL Server
D. Amazon Redshift

Answer: B

NEW QUESTION 476
- (Exam Topic 3)
A company wants to build an application that consists entirely of microservices. Which AWS Cloud architecture design principle supports this goal?

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

Answer: D

NEW QUESTION 480
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