

Exam Questions CLF-C02

AWS Certified Cloud Practitioner

<https://www.2passeasy.com/dumps/CLF-C02/>



NEW QUESTION 1

- (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 2

- (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 3

- (Exam Topic 1)

A company wants to use a template to reliably provision, manage, and update its infrastructure in the AWS Cloud. Which AWS service will meet these requirements?

- A. AWS Lambda
- B. AWS CloudFormation
- C. AWS Fargate
- D. AWS CodeDeploy

Answer: B

NEW QUESTION 4

- (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 5

- (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 6

- (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 7

- (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 8

- (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 9

- (Exam Topic 1)

Which AWS service offers threat detection and continuously monitors for malicious activity and unauthorized behavior in AWS accounts?

- A. Amazon Made
- B. AWS Config
- C. Amazon GuardDuty
- D. Amazon Inspector

Answer: C

NEW QUESTION 10

- (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 10

- (Exam Topic 1)

Elasticity in the AWS Cloud refers to which of the following? (Select TWO.)

- A. How quickly an Amazon EC2 instance can be restarted
- B. The ability to right size resources as demand shifts
- C. The maximum amount of RAM an Amazon EC2 instance can use

- D. The pay-as-you-go billing model
- E. How easily resources can be procured when they are needed

Answer: BE

Explanation:

The AWS Well-Architected Framework defines elasticity as: The ability to acquire resources as you need them and release resources when you no longer need them. In the cloud, you want to do this automatically

<https://dev.to/aws-builders/what-does-elastic-mean-cloud-concepts-explained-4anb#:~:text=The%20AWS%20W>

NEW QUESTION 15

- (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 17

- (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 19

- (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 24

- (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 25

- (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 28

- (Exam Topic 1)

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

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

D. Download the AWS Management Console for the second Region.

Answer: C

NEW QUESTION 29

- (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 33

- (Exam Topic 1)

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

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

Answer: B

Explanation:

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

NEW QUESTION 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)

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

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

Answer: C

NEW QUESTION 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 45

- (Exam Topic 1)

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

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

Answer: A

NEW QUESTION 49

- (Exam Topic 1)

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

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

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

Answer: C

NEW QUESTION 54

- (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 58

- (Exam Topic 1)

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

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

Answer: C

NEW QUESTION 63

- (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 68

- (Exam Topic 1)

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

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

Answer: B

NEW QUESTION 72

- (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: C

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 74

- (Exam Topic 1)

A company needs to perform data processing once a week that typically takes about 5 hours to complete. Which AWS service should the company use for this workload?

- A. AWS Lambda
- B. Amazon EC2
- C. AWS CodeDeploy
- D. AWS Wavelength

Answer: A

NEW QUESTION 79

- (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 80

- (Exam Topic 1)

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

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

Answer: C

Explanation:

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

NEW QUESTION 83

- (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 85

- (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 89

- (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 92

- (Exam Topic 1)

A company's system administrator discovers that someone logged in to the company's AWS account during the weekend and terminated an Amazon EC2 instance. Which AWS service should the system administrator use to identify who made this change?

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

Answer: C

NEW QUESTION 96

- (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 99

- (Exam Topic 1)

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

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

Answer: C

Explanation:

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

NEW QUESTION 102

- (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 103

- (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 105

- (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 108

- (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 109

- (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 110

- (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 114

- (Exam Topic 1)

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

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

Answer: BD

NEW QUESTION 117

- (Exam Topic 1)

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

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

Answer: AD

NEW QUESTION 120

- (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 125

- (Exam Topic 2)

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

- A. Trade security for elasticity
- B. Trade operational excellence for agility
- C. Trade fixed expenses for variable expenses
- D. Trade elasticity for performance.

Answer: C

NEW QUESTION 130

- (Exam Topic 2)

An ecommerce company 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 133

- (Exam Topic 2)

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

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

D. Amazon Detective

Answer: B

NEW QUESTION 135

- (Exam Topic 2)

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

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

Answer: CD

NEW QUESTION 137

- (Exam Topic 2)

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

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

Answer: C

NEW QUESTION 142

- (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 143

- (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 144

- (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 149

- (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 151

- (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 154

- (Exam Topic 2)

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

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

Answer: B

NEW QUESTION 156

- (Exam Topic 2)

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

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

Answer: A

NEW QUESTION 161

- (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 165

- (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 167

- (Exam Topic 2)

Which AWS service is suited for use cases that require data backup and restore features include data lakes and need an archiving system?

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

Answer: D

NEW QUESTION 168

- (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 169

- (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 174

- (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 178

- (Exam Topic 2)

How does the AWS global infrastructure offer high availability and fault tolerance to its users?

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

Answer: D

NEW QUESTION 183

- (Exam Topic 2)

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

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

Answer: C

Explanation:

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

NEW QUESTION 184

- (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 186

- (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 187

- (Exam Topic 2)

A company uses AWS Direct Conned and wants to establish connectivity that spans VPCs across multiple AWS Regions. Which AWS service or feature should the company use to meet these requirements?

- A. AWS Transit Gateway
- B. AWS PrivateLink
- C. Amazon Connect
- D. Amazon Route 53

Answer: B

NEW QUESTION 192

- (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 197

- (Exam Topic 2)

A company needs to use thud-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 199

- (Exam Topic 2)

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

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

Answer: C

NEW QUESTION 203

- (Exam Topic 2)

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

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

Answer: A

NEW QUESTION 204

- (Exam Topic 2)

A company wants to use a server less compute service for an application. When AWS service will meet tins requirement?

- A. AWS Lambda
- B. AWS CloudFormation
- C. AWS Elastic Beanstalk
- D. Elastic Load Balancing

Answer: A

NEW QUESTION 209

- (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 211

- (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 215

- (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 move hardware from their data center to the AWS Cloud.

Answer: AD

NEW QUESTION 220

- (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 222

- (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 223

- (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. Reliability
- B. Economy of scale
- C. Elasticity
- D. Pay-as-you-go pricing

Answer: C

NEW QUESTION 226

- (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 228

- (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 231

- (Exam Topic 2)

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

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

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

Answer: D

NEW QUESTION 236

- (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 239

- (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 244

- (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 246

- (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 250

- (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 254

- (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 255

- (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 256

- (Exam Topic 3)

Which of the following are advantages of moving from on premises to the AWS Cloud? (Select TWO)

- A. Trade variable expenses for capital expenses
- B. Eliminate costs related to running and maintaining data centers.
- C. Benefit from massive economies of scale.
- D. Eliminate the need to train IT staff.
- E. Gain the ability to reserve capacity for 7 years or more

Answer: AC

NEW QUESTION 260

- (Exam Topic 3)

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

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

Answer: B

Explanation:

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

NEW QUESTION 264

- (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 265

- (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 268

- (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 270

- (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 274

- (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 278

- (Exam Topic 3)

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

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

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

Answer: D

Explanation:

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

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

AWS WAF also lets you control access to your content. Based on conditions that you specify, such as the IP addresses that requests originate from or the values

of query strings, your protected resource responds to requests either with the requested content, with an HTTP 403 status code (Forbidden), or with a custom response.

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

NEW QUESTION 283

- (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 286

- (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 290

- (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 294

- (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 296

- (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 299

- (Exam Topic 3)

A company wants to deploy a Docker application to the AWS Cloud. However, the company does not want to manage the underlying servers. Which combination of AWS services should the company use to meet these requirements? (Select TWO)

- A. Amazon EC2
- B. Amazon EC2 Auto Scaling
- C. AWS Elastic Beanstalk
- D. Amazon CloudFront
- E. AWS Fargate

Answer: AE

NEW QUESTION 304

- (Exam Topic 3)

Which AWS service or feature can a company use to apply security rules to a subnet for Amazon EC2 instances?

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

Answer: B

NEW QUESTION 305

- (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 308

- (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 310

- (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 312

- (Exam Topic 3)

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

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

Answer: D

NEW QUESTION 314

- (Exam Topic 3)

A company runs an application in the AWS Cloud. The level of traffic to the application vary throughout the week. The company wants to increase the reliability of its application at all times, even during times of high traffic.

Which combination of steps will meet this requirement? (Select TWO.)

- A. Test recovery procedures.
- B. Purchase instance weekly based on the previous week's high traffic points.
- C. Handle software failures automatically.
- D. Scale the application vertically.
- E. Make all changes in the environment manually.

Answer: CD

NEW QUESTION 318

- (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 320

- (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 322

- (Exam Topic 3)

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

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

Answer: D

Explanation:

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

Reference:

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

NEW QUESTION 326

- (Exam Topic 3)

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

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

Answer: A

NEW QUESTION 330

- (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 332

- (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 333

- (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 335

- (Exam Topic 3)

Which AWS service requires the customer to patch the guest operating system?

- A. AWS Lambda
- B. Amazon OpenSearch Service
- C. Amazon EC2
- D. Amazon ElastiCache

Answer: C

NEW QUESTION 336

- (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 341

- (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 345

- (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 346

- (Exam Topic 3)

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

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

Answer: B

Explanation:

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

NEW QUESTION 351

- (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 352

- (Exam Topic 3)

A company does not want to rely on elaborate forecasting to determine its usage of compute resources. Instead, the company wants to pay only for the resources that it uses. The company also needs the ability to increase or decrease its resource usage to meet business requirements.

Which pillar of the AWS Well-Architected Framework aligns with these requirements?

- A. Operational excellence
- B. Security
- C. Reliability
- D. Cost optimization

Answer: D

Explanation:

Reliability Scale horizontally to increase aggregate workload availability: Replace one large resource with multiple small resources to reduce the impact of a single failure on the overall workload. Distribute requests across multiple, smaller resources to ensure that they don't share a common point of failure. Stop guessing capacity: A common cause of failure in on-premises workloads is resource saturation, when the demands placed on a workload exceed the capacity of that workload (this is often the objective of denial of service attacks).

NEW QUESTION 354

- (Exam Topic 3)

A company is planning to configure multi-factor authentication (MFA) for a business application. The company needs to use text messages to distribute one-time passwords to its customers worldwide. Which 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 356

- (Exam Topic 3)

A company needs an AWS design solution for a distributed system. The system's components need to be set up so that one system component cannot negatively impact another component. Which AWS architectural best practice will meet this requirement?

- A. Use request throttling
- B. Use a stateful service
- C. Implement automatic data backups
- D. Implement loose coupling

Answer: C

NEW QUESTION 359

- (Exam Topic 3)

A company has an AWS-hosted website located behind an Application Load Balancer. The company wants to safeguard the website from SQL injection or cross-site scripting.

Which AWS service should the company use?

- A. Amazon GuardDuty

- B. AWS WAF
- C. AWS Trusted advisor
- D. Amazon Inspector

Answer: B

NEW QUESTION 363

- (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 367

- (Exam Topic 3)

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

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

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

Answer: B

NEW QUESTION 368

- (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 371

- (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 372

- (Exam Topic 3)

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

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

Answer: AD

NEW QUESTION 375

- (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 376

- (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 377

- (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 379

- (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 381

- (Exam Topic 3)

A company is launching a new application in the AWS Cloud. The application will run on an Amazon EC2 instance. More EC2 instances will be needed when the workload increases.

Which AWS service or tool can the company use to launch the number of EC2 instances that will be needed to handle the workload?

- A. Elastic Load Balancing
- B. Amazon EC2 Auto Scaling
- C. AWS App2Container (A2C)
- D. AWS Systems Manager

Answer: B

Explanation:

Amazon EC2 Auto Scaling is an AWS feature that automatically optimizes the number of EC2 instances (by scaling up or scaling down) available to your workloads or app based on workloads' performance and pre-defined conditions. Your team firstly creates Auto Scaling Groups, which comprises EC2 instances.

NEW QUESTION 386

- (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 390

- (Exam Topic 3)

Why is an AWS Well-Architected review a critical part of the cloud design process?

- A. A Well-Arch Heeled review is mandatory before a workload can run on AWS.
- B. A Well-Architected review helps identify design gaps and helps evaluate design decisions and related documents.
- C. A Well-Architected review is an audit mechanism that is a part of requirements for service level agreements.
- D. A Well-Architected review eliminates the need for ongoing auditing and compliance tests.

Answer: B

NEW QUESTION 394

- (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 397

- (Exam Topic 3)

Which of the following are characteristics of AWS Regions and Availability Zones? (Select TWO.)

- A. Regions bring AWS services to on-premises facilities.
- B. Regions consist of multiple Availability Zones.
- C. An Availability Zone contains several Regions.
- D. Regions are within 100 km (60 miles) of each other.
- E. Regions are located around the world.

Answer: B

NEW QUESTION 400

- (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 405

- (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 408

- (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 409

- (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 410

- (Exam Topic 3)

An application runs on multiple Amazon EC2 instances that access a shared file system simultaneously. Which AWS storage service should be used?

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

Answer: B

Explanation:

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

NEW QUESTION 411

- (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 415

- (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 416

- (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 418

- (Exam Topic 3)

How does the AWS global infrastructure offer high availability and fault tolerance to its users?

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

Answer: D

NEW QUESTION 422

- (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 426

- (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 427

- (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 432

- (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 Redis

Answer: B

NEW QUESTION 437

- (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 442

- (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 445

- (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 448

- (Exam Topic 3)

A company needs to manage multiple login across AWS accounts within the same organization in AWS Organizations. Which AWS service should the company use to meet this requirement?

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

Answer: D

NEW QUESTION 452

- (Exam Topic 3)

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

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

Answer: C

NEW QUESTION 454

- (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 456

- (Exam Topic 3)

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

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

Answer: BC

Explanation:

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

NEW QUESTION 457

- (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 462

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