



AWS Certified Cloud Practitioner CLF-C02

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You ONLY want to manage Applications and Data. Which type of Cloud Computing model should you use?	Platform as a Service (PaaS)
What is the pricing model of Cloud Computing?	Pay-as-you-go pricing
Which Global Infrastructure identity is composed of one or more discrete data centers with redundant power, networking, and connectivity, and are used to deploy infrastructure?	Availability Zones
Which of the following is NOT one of the Five Characteristics of Cloud Computing?	Dedicated Support Agent to help you deploy applications
Which are the 3 pricing fundamentals of the AWS Cloud?	Compute, Storage and Data transfer out of the AWS Cloud
Which of the following options is NOT a point of consideration when choosing an AWS Region?	Capacity availability
Which of the following is NOT an advantage of Cloud Computing?	Train your employees less
AWS Regions are composed of?	Three or more Availability Zones
Which of the following services has a global scope?	IAM
Which of the following is the definition of Cloud Computing?	On-demand availability of computer system resources, especially data storage (cloud storage) and computing power, without direct active management by the user
What defines the distribution of responsibilities for security in the AWS Cloud?	The Shared Responsibility Model
A company would like to benefit from the advantages of the Public Cloud but would like to keep sensitive assets in its own infrastructure. Which deployment model should the company use?	Hybrid Cloud
What is NOT authorized to do on AWS according to the AWS Acceptable Use Policy?	Run analytics on stolen content
What is a proper definition of IAM Roles?	An IAM entity that defines a set of permissions for making AWS service requests, that will be used by AWS services
Which of the following is an IAM Security Tool?	IAM Credentials Report
Which answer is INCORRECT regarding IAM Users?	IAM Users access AWS with the root account credentials
Which of the following is an IAM best practice?	Don't use the root user account
What are IAM Policies?	JSON Documents to define Users, Groups, or Roles' permissions
Under the shared responsibility model, what is the customer responsible for in IAM?	Customers are responsible for defining and using IAM policies
Which of the following statements is TRUE?	The AWS CLI can interact with AWS using commands in your command-line shell, while the AWS SDK can interact with AWS programmatically
Which principle should you apply regarding IAM Permissions?	Grant least privilege
What should you do to increase your root account security?	Enable Multi-Factor Authentication (MFA)
Which EC2 Purchasing Option can provide the biggest discount, but is not suitable for critical jobs or databases?	Spot Instances are good for short workloads, but are less reliable
Which network security tool can you use to control traffic in and out of EC2 Instances?	Security Groups
Under the Shared Responsibility Model, who is responsible for operating-system patches and updates on EC2 Instances?	The customer is responsible for operating-system patches and updates on EC2 Instances, as well as data security on the instances, Security Groups rules, etc.
How long can you reserve an EC2 Reserved Instance?	1 or 3 years
A company would like to deploy a high-performance computing (HPC) application on EC2. Which EC2 instance type should it choose?	Compute Optimized
Which of the following is NOT an EC2 Instance Purchasing Option?	Connect Instances



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Which EC2 Purchasing Option should you use for an application you plan on running on a server continuously for 1 year?	Reserved Instances
Which EC2 Storage would you use to create a shared network file system for your EC2 Instances?	EFS
Which service can be used to automate image management processes?	EC2 Image Builder
Which of the following is a fully managed native Microsoft Windows file system?	FSx
What are AMIs NOT used for?	Add your own IP addresses
EBS Volumes CANNOT be attached to multiple EC2 instances at a time.	True
An EBS Volume is a network drive you can attach to your instances while they run, so your instances' data persist even after their termination.	True
Which statement is CORRECT regarding EC2 Instance Store?	EC2 Instance Store has a better I/O performance, but data is lost if: the EC2 instance is stopped or terminated, or when the underlying disk drive fails.
What is an EBS Snapshot?	A backup of your EBS Volume at a point in time
Where can you find a third party's AMI so you can use it to launch your EC2 Instance?	AWS Marketplace AMIs
What is an EBS Volume tied to?	EBS Volumes are tied to only one availability zone.
What is the main purpose of High Availability in the Cloud?	High Availability means applications running at least in two AZs to survive a data center loss.
Which AWS offered Load Balancer should you use to handle hundreds of thousands of connections with low latency?	Network Load Balancer
Changing an EC2 Instance Type from a t3a.medium to a t3a.2xlarge is an example of?	Vertical scaling
What can you use to handle quickly and automatically the changing load on your websites and applications by adding compute resources?	An Auto Scaling Group (ASG) can automatically and quickly scale-in and scale-out to match the changing load on your applications and websites.
Which of the following statements is INCORRECT regarding Auto Scaling Groups?	Auto Scaling Groups can add or remove instances, but from the same type. They cannot change the EC2 Instances Types on the fly.
Which Load Balancer is best suited for HTTP/HTTPS load balancing traffic?	Application Load Balancer
Which of the following is NOT an Auto Scaling Strategy?	Active Scaling. This is not a scaling strategy. Auto Scaling Strategies include: Manual Scaling, Dynamic Scaling (Simple/Step Scaling, Target Tracking Scaling, Scheduled Scaling), and Predictive Scaling.
Which AWS service offers easy horizontal scaling of compute capacity?	Auto Scaling Groups (ASG) offers the capacity to scale-out and scale-in by adding or removing instances based on demand.
Which of the following statements is NOT a feature of Load Balancers?	Load Balancers cannot help with back-end autoscaling. You should use Auto Scaling Groups.
Which S3 Storage Class is the most cost-effective for archiving data with no retrieval time requirement?	Amazon Glacier Deep Archive
What hybrid AWS service is used to allow on-premises servers to seamlessly use the AWS Cloud at the storage layer?	AWS Storage Gateway is a hybrid cloud storage service that gives you on-premises access to virtually unlimited cloud storage.
Which of the following services is a petabyte-scale data moving service (as a fleet) in or out of AWS with computing capabilities?	Snowball Edge
Which of the following is an exabytes-scale data moving service in or out of AWS?	Snowmobile
What are Objects NOT composed of?	Access Keys



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Where are objects stored in Amazon S3?	Buckets store objects in Amazon S3.
A research team deployed in a location with low-internet connection would like to move 5 TBs of data to the Cloud. Which service can it use?	Snowcone
What can you use to define actions to move S3 objects between different storage classes?	Lifecycle Rules
A non-profit organization needs to regularly transfer petabytes of data to the cloud and to have access to local computing capacity. Which service can help with this task?	Snowball Edge - Storage Optimized
Which S3 Storage Class is suitable for less frequently accessed data, but with rapid access when needed, while keeping a high durability and allowing an Availability Zone failure?	Amazon S3 Standard-Infrequent Access
Which Route 53 Routing Policies would you use to route traffic to multiple resources in proportions that you specify?	Weighted Routing Policy
Which service is optimized to deploy ultra-low latency applications to 5G devices?	WaveLength
You need to enable fast, easy, and secure transfers of files over long distances on S3. Which service would you use?	S3 Transfer Acceleration
What does AWS CloudFront use to improve read performance?	Caching Content in Edge Locations
Which service can be used to run AWS infrastructure and services on-premises for a hybrid cloud architecture?	Outposts
Which of the following statements is NOT a reason for a global application?	Scale elastically on demand
Which features are available with Route 53?	Route 53 features are (non exhaustive list): Domain Registration, DNS, Health Checks, Routing Policy
With which services does CloudFront integrate to protect against web attacks?	WAF & Shield
A company using Apache ActiveMQ is migrating to the cloud. Which AWS service can it use to easily set up and operate its message brokers in the cloud?	Amazon MQ
Which service is a fully managed pub/sub messaging service that makes it easy to set up, operate, and send notifications from the cloud, using a push-based system?	Simple Notification Service (SNS)
You can use Kinesis to perform real-time analysis from video streams.	True
Which principle is mainly applied when using Amazon SQS or Amazon SNS?	Decouple your applications
Which service allows you to send, store, and receive messages between software components at any volume, without losing messages or requiring other services to be available, using a pull-based system?	Simple Queue Service (SQS)
Which CloudWatch feature would you use to trigger notifications when a metric reaches a threshold you specify?	CloudWatch Alarms
Which AWS service helps developers analyze and debug production as well as distributed applications?	X-Ray
Which AWS service provides alerts and remediation guidance when AWS is experiencing events that may impact you?	AWS Health Dashboard
You need to set up metrics monitoring for every service in AWS. Which service would you use?	CloudWatch
Which service allows you to inspect, audit, and record events and API calls made within your AWS account?	CloudTrail
Which AWS service automatically analyzes code and provides performance recommendations?	CodeGuru



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How would you describe Amazon CloudWatch Logs?	You can use Amazon CloudWatch Logs to monitor, store, and access your log files from Amazon Elastic Compute Cloud (Amazon EC2) instances, AWS CloudTrail, Route 53, and other sources.
If a resource is deleted in AWS, which service should you use to investigate first?	CloudTrail
Your private subnets need to connect to the Internet while still remaining private. Which AWS-managed VPC component allows you to do this?	NAT Gateway
A public subnet is accessible from the Internet while a private subnet is not accessible from the Internet.	Yes
Which type of firewall has both ALLOW and DENY rules and operates at the subnet level?	Network Access Control List (NACL)
You would like to connect hundreds of VPCs and your on-premises data centers together. Which AWS service allows you to do link all these together efficiently?	Transit Gateway connects thousands of VPC and on-premises networks together in a single gateway.
A company needs two VPCs to communicate with each other. What can they use?	VPC Peering
You need a logically isolated section of AWS, where you can launch AWS resources in a private network that you define. What should you use?	A VPC
A company needs to have a private, secure, and fast connection between its on-premises data centers and the AWS Cloud. Which connection should they use?	AWS Direct Connect
Your VPC needs to connect with the Internet. Which VPC component can help?	Internet Gateway
Data sitting on an RDS instance would be referred to as?	Data at rest
According to the Shared Responsibility Model, who is responsible for firewall and network configuration for EC2 Instances?	The customer
Which of the following services can you use to discover and protect your sensitive data in AWS?	Macie
Which AWS service lets you quickly find the root of potential security issues to take faster actions?	Detective
A company would like to protect its web applications from common web exploits that may affect availability, compromise security, or consume excessive resources. Which AWS service should they use?	Web Application Firewall (WAF)
Where can you find on-demand access to AWS compliance documentation and AWS agreements?	Artifact
You can perform any kind of penetration testing on any AWS service without prior approval.	False
You want to record configurations and changes over time. Which service allows you to do this?	Config
A company would like to secure network communications using SSL & TLS certificates. Which AWS service can it use?	Certificate Manager (ACM)
According to the Shared Responsibility Model, who is responsible for Patch Management?	AWS and the customer
Which AWS service can you use?	You want to centrally automate security checks across several AWS accounts.
Which of the following services is managed by AWS and is used to manage encryption keys?	Security Hub
A company would like to automate security on EC2 instances to assess security and vulnerabilities in these instances. Which AWS service should it use?	KMS
	Inspector



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Which of the following actions does NOT require the root user?	Access the billing dashboard
According to the Shared Responsibility Model, who is responsible for protecting hardware?	AWS
Which AWS service's ONLY role is to safeguard running applications from DDoS attacks?	Shield
Which service is a threat detection service that continuously monitors for malicious activity and unauthorized behavior to protect your AWS accounts and workloads?	GuardDuty
Which of the following options is NOT a situation where you should contact the AWS Abuse team?	Losing your MFA device
You should use Amazon Transcribe to turn text into lifelike speech using deep learning.	False. Amazon Transcribe is an AWS service that makes it easy for customers to convert speech-to-text. Amazon Polly is a service that turns text into lifelike speech.
A company would like to implement a chatbot that will convert speech-to-text and recognize the customers' intentions. What service should it use?	Lex
Which fully managed service can deliver highly accurate forecasts?	Forecast
You would like to find objects, people, text, or scenes in images and videos. What AWS service should you use?	Rekognition
A start-up would like to rapidly create customized user experiences. Which AWS service can help?	Personalize
A research team would like to group articles by topics using Natural Language Processing (NLP). Which service should they use?	Comprehend
A company would like to convert its documents into different languages, with natural and accurate wording. What should they use?	Amazon Translate
A developer would like to build, train, and deploy a machine learning model quickly. Which service can he use?	SageMaker
Which AWS service makes it easy to convert speech-to-text?	Amazon Transcribe
Which of the following services is a document search service powered by machine learning?	Kendra
Which services are free to use in AWS?	IAM, VPC, Consolidated Billing, and Elastic Beanstalk These services are free to use. Be careful, the resources created in Elastic Beanstalk (as well as in CloudFormation and Auto Scaling Groups) are not free.
CloudFront pricing is the same in every geographic region.	False
When you reserve, the larger the upfront payment, the smaller the discount.	When the upfront payment is higher, the discount is bigger.
Which of the following is NOT a pricing factor in S3?	Data transfer into S3
EBS Snapshots are added cost in GB per month.	True
Which of the following options can provide up to 66% discount compared to On-demand for a commitment to a consistent amount of usage for 1 or 3 years and offers the possibility to change EC2 instances family type?	Compute Savings Plans
You are running an on-demand Linux EC2 instance, what timing is applied regarding billing?	Pay per second
Which pricing model allows you to minimize risks, predictably manage budgets, and comply with long-term requirements, and is available for EC2, DynamoDB, ElastiCache, RDS, and Redshift?	Save when you reserve



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Which RDS pricing option is the most cost-effective if you need capacity for 3 years?	Reserved Instances
A company would like to use their on-premises Microsoft Active Directory to connect to its AWS resources. Which service can it use?	Directory Services
Which AWS service allows you to create temporary, limited-privilege credentials for your AWS resources?	Security Token Service (STS)
A company just created a new mobile application and wants to add a simple and secure user sign-up, sign-in, and access control. Which AWS service can it use?	IAM Identity Center
You would like to convert an S3 file so it can be played on users' devices. Which AWS service can help?	Elastic Transcoder
You would like to access desktop applications through a browser. Which AWS service would you use?	AppStream 2.0
Which AWS service can be used to test your application across real desktop browsers and mobile devices?	Device Farm
Which AWS service is serverless and lets you connect billions of devices to the AWS Cloud?	IoT Core
CloudEndure Disaster Recovery is used to centrally automate backups across AWS services while AWS Backup is used to quickly and easily recover servers into AWS	False
A hybrid company would like to provision desktops to their employees so they can access securely both the AWS Cloud and their data centers. Which AWS service can help?	WorkSpaces
Auto Scaling in EC2 and DynamoDB are examples of?	Horizontal scaling
AWS Trusted Advisor can provide guidance against the 6 Well-Architected pillars and architectural best practices.	False
Which of the following are design principles of Performance Efficiency?	Performance Efficiency design principles include: democratize advanced technologies, go global in minutes, use serverless architecture, experiment more often, mechanical sympathy.
Which of the following is NOT an AWS Partner Network (APN) type?	APN Services Partners
Testing recovery procedures, stopping guessing capacity, and managing changes in automation are design principles of Performance Efficiency.	False
Which AWS service is the key to Operational Excellence?	CloudFormation
AWS Cost Explorer and AWS Trusted Advisor are services examples of which Well-Architected Framework pillar?	Cost Optimization
Implementing Security Groups, NACLs, KMS, or CloudTrail reflects which Well-Architected Framework Pillar?	Security