

CERT-PASS

AWS AWS Cloud Practitioner CLF-C02

Free Practice Questions Preview

Here are 35 sample questions to help you get started. Unlock the full exam to access all 1008+ questions with detailed explanations.

Question 1 : Domain 3: Cloud Technology and Services

A company needs virtual servers in the cloud with control over the operating system. Which AWS service should it use?

- A. AWS Lambda
- B. Amazon EC2**
- C. Amazon S3
- D. Amazon Route 53

Answer: B

Amazon EC2 provides resizable virtual compute instances with OS-level control. Trap: Lambda runs code without server management but does not provide OS-level server control. The tempting wrong choice 'AWS Lambda' fails because it does not best match the requirement in this scenario.

Question 2 : Domain 3: Cloud Technology and Services

A developer wants to run code in response to events without provisioning servers. Which AWS service should be used?

- A. Amazon EC2 Dedicated Hosts
- B. AWS Lambda**
- C. Amazon EBS
- D. Amazon VPC

Answer: B

Lambda is a serverless compute service that runs code in response to events. Trap: EC2 Dedicated Hosts still require server capacity management. The tempting wrong choice 'Amazon EC2 Dedicated Hosts' fails because it does not best match the requirement in this scenario.

Question 3 : Domain 3: Cloud Technology and Services

A team wants to run containers without managing EC2 instances. Which AWS compute option is most appropriate?

- A. Amazon Route 53
- B. AWS Snowball
- C. AWS Fargate**

D. Amazon EBS

Answer: C

AWS Fargate runs containers serverlessly with ECS or EKS. Trap: EBS is block storage and does not run containers. The tempting wrong choice 'Amazon Route 53' fails because it does not best match the requirement in this scenario.

Question 4 : Domain 3: Cloud Technology and Services

Which service is a managed relational database service?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon S3 Glacier
- D. Amazon CloudFront

Answer: A

Amazon RDS manages relational database engines such as MySQL, PostgreSQL, and SQL Server. Trap: DynamoDB is NoSQL, not relational. The tempting wrong choice 'Amazon DynamoDB' fails because it does not best match the requirement in this scenario.

Question 5 : Domain 3: Cloud Technology and Services

Which AWS database service is fully managed, serverless, key-value and document NoSQL?

- A. Amazon RDS
- B. Amazon EFS
- C. Amazon Redshift
- D. Amazon DynamoDB

Answer: D

DynamoDB is a managed NoSQL database designed for key-value and document access patterns. Trap: RDS is relational and uses database engines rather than NoSQL key-value design. The tempting wrong choice 'Amazon RDS' fails because it does not best match the requirement in this scenario.

Question 6 : Domain 3: Cloud Technology and Services

Which AWS service is a data warehouse for analytics?

- A. Amazon Route 53
- B. Amazon ElastiCache
- C. AWS CloudTrail
- D. Amazon Redshift

Answer: D

Amazon Redshift is a cloud data warehouse for large-scale analytics. Trap: ElastiCache is an in-memory cache, not a data warehouse. The tempting wrong choice 'Amazon Route 53' fails because it does not best match the requirement in this scenario.

Question 7 : Domain 3: Cloud Technology and Services

Which AWS service provides object storage suitable for static website assets, backups, and data lakes?

- A. Amazon VPC
- B. Amazon EBS
- C. Amazon S3**
- D. Amazon EC2

Answer: C

Amazon S3 is durable object storage for many use cases including static content and data lakes. Trap: EBS is block storage attached to compute instances. The tempting wrong choice 'Amazon VPC' fails because it does not best match the requirement in this scenario.

Question 8 : Domain 3: Cloud Technology and Services

Which storage service provides block storage volumes for Amazon EC2 instances?

- A. Amazon S3
- B. Amazon Route 53
- C. Amazon Glacier Instant Retrieval only
- D. Amazon EBS**

Answer: D

EBS provides persistent block volumes for EC2. Trap: S3 is object storage and is accessed through APIs rather than attached as a block device. The tempting wrong choice 'Amazon S3' fails because it does not best match the requirement in this scenario.

Question 9 : Domain 3: Cloud Technology and Services

Which storage service provides a managed file system that can be mounted by multiple Linux EC2 instances?

- A. AWS IAM
- B. Amazon EBS
- C. Amazon S3 Glacier
- D. Amazon EFS**

Answer: D

Amazon EFS provides scalable shared file storage for Linux workloads. Trap: EBS volumes are generally attached to instances as block storage and are not the standard shared file system answer. The tempting wrong choice 'AWS IAM' fails because it does not best match the requirement in this scenario.

Question 10 : Domain 3: Cloud Technology and Services

Which AWS networking service creates an isolated virtual network in the AWS Cloud?

- A. AWS KMS
- B. Amazon SQS
- C. Amazon VPC**
- D. AWS Budgets

Answer: C

Amazon VPC lets customers define isolated networks, subnets, routing, and security boundaries. Trap: SQS is a messaging service, not a network boundary. The tempting wrong choice 'AWS KMS' fails because it does not best match the requirement in this scenario.

Question 11 : Domain 3: Cloud Technology and Services

Which AWS service provides DNS and domain registration capabilities?

- A. Amazon Route 53**
- B. Amazon EBS
- C. AWS DataSync
- D. AWS Config

Answer: A

Route 53 provides scalable DNS and domain registration services. Trap: Config records resource configurations and compliance state. The tempting wrong choice 'Amazon EBS' fails because it does not best match the requirement in this scenario.

Question 12 : Domain 3: Cloud Technology and Services

Which AWS service is a content delivery network that caches content at edge locations?

- A. AWS IAM
- B. AWS CloudFormation
- C. Amazon RDS
- D. Amazon CloudFront**

Answer: D

CloudFront improves latency by delivering content through edge locations. Trap: RDS is a database service and does not cache static content globally. The tempting wrong choice 'AWS IAM' fails because it does not best match the requirement in this scenario.

Question 13 : Domain 3: Cloud Technology and Services

Which service provides a dedicated private network connection from an on-premises data center to AWS?

- A. AWS Lambda
- B. AWS Direct Connect**
- C. Amazon CloudFront
- D. Amazon S3 Transfer Acceleration

Answer: B

Direct Connect establishes dedicated private connectivity between customer sites and AWS. Trap: CloudFront is for content delivery, not private connectivity. The tempting wrong choice 'AWS Lambda' fails because it does not best match the requirement in this scenario.

Question 14 : Domain 3: Cloud Technology and Services

Which AWS service should be used to decouple application components with a queue?

- A. Amazon Simple Queue Service (Amazon SQS)**
- B. AWS Certificate Manager
- C. Amazon CloudWatch
- D. AWS Artifact

Answer: A

SQS is a managed message queue that decouples producers and consumers. Trap: CloudWatch monitors workloads but does not provide application message queuing. The tempting wrong choice 'AWS Certificate Manager' fails because it does not best match the requirement in this scenario.

Question 15 : Domain 3: Cloud Technology and Services

Which service sends notifications to subscribers such as email, SMS, or application endpoints?

- A. AWS IAM
- B. Amazon Simple Notification Service (Amazon SNS)**
- C. Amazon S3
- D. AWS Snowball

Answer: B

SNS is a pub/sub notification service for fanout and messaging. Trap: S3 stores objects and does not manage push notifications. The tempting wrong choice 'AWS IAM' fails because it does not best match the requirement in this scenario.

Question 16 : Domain 3: Cloud Technology and Services

Which AWS service helps build and run applications without managing the underlying infrastructure by uploading code?

- A. Amazon VPC
- B. AWS Organizations
- C. AWS Elastic Beanstalk**
- D. Amazon Macie

Answer: C

Elastic Beanstalk handles provisioning and deployment for web applications while retaining some control. Trap: VPC is networking and does not deploy application code. The tempting wrong choice 'Amazon VPC' fails because it does not best match the requirement in this scenario.

Question 17 : Domain 3: Cloud Technology and Services

Which service enables querying data directly in Amazon S3 using SQL?

- A. AWS Backup
- B. Amazon ElastiCache
- C. Amazon Athena**
- D. Amazon EBS

Answer: C

Athena is a serverless query service that analyzes S3 data with SQL. Trap: ElastiCache is in-memory caching, not SQL over S3. The tempting wrong choice 'AWS Backup' fails because it does not best match the requirement in this scenario.

Question 18 : Domain 3: Cloud Technology and Services

Which AWS analytics service is used for extract, transform, and load jobs and a data catalog?

- A. AWS Glue**
- B. AWS WAF
- C. AWS Shield
- D. AWS IAM

Answer: A

AWS Glue provides ETL capabilities and the AWS Glue Data Catalog. Trap: AWS Shield protects against DDoS attacks

and is unrelated to ETL. The tempting wrong choice 'AWS WAF' fails because it does not best match the requirement in this scenario.

Question 19 : Domain 3: Cloud Technology and Services

Which AWS service provides centralized backup management across AWS services?

- A. AWS Marketplace
- B. AWS Trusted Advisor
- C. Amazon Route 53
- D. AWS Backup**

Answer: D

AWS Backup centralizes backup policies and backup management for supported services. Trap: Trusted Advisor gives recommendations but does not perform backups. The tempting wrong choice 'AWS Marketplace' fails because it does not best match the requirement in this scenario.

Question 20 : Domain 3: Cloud Technology and Services

Which AWS service provides access to pre-trained AI services for image and video analysis?

- A. Amazon Route 53
- B. AWS CloudTrail
- C. Amazon Rekognition**
- D. Amazon Redshift

Answer: C

Amazon Rekognition analyzes images and videos using machine learning. Trap: Redshift is a data warehouse. The tempting wrong choice 'Amazon Route 53' fails because it does not best match the requirement in this scenario.

Question 21 : Domain 3: Cloud Technology and Services

Which AWS service converts text into lifelike speech?

- A. Amazon Athena
- B. Amazon Inspector
- C. Amazon Textract
- D. Amazon Polly**

Answer: D

Amazon Polly is a text-to-speech service. Trap: Textract extracts text and data from documents, not speech generation. The tempting wrong choice 'Amazon Athena' fails because it does not best match the requirement in this scenario.

Question 22 : Domain 3: Cloud Technology and Services

Which AWS service extracts text and structured data from scanned documents?

- A. Amazon Polly
- B. Amazon Translate
- C. Amazon Textract**
- D. Amazon SQS

Answer: C

Textract uses ML to extract text, forms, and tables from documents. Trap: Polly turns text into speech and does not extract document text. The tempting wrong choice 'Amazon Polly' fails because it does not best match the requirement in this scenario.

Question 23 : Domain 3: Cloud Technology and Services

Which AWS service provides a central place to find, test, buy, and deploy third-party software on AWS?

- A. AWS Config
- B. AWS Marketplace**
- C. Amazon CloudWatch
- D. AWS Artifact

Answer: B

AWS Marketplace is a digital catalog for third-party software and services. Trap: AWS Artifact provides compliance documentation and agreements. The tempting wrong choice 'AWS Config' fails because it does not best match the requirement in this scenario.

Question 24 : Domain 3: Cloud Technology and Services

A company needs long-term archival storage with very low cost and retrieval times measured in minutes to hours. Which service should it use?

- A. Amazon ElastiCache
- B. Amazon EBS Provisioned IOPS
- C. Amazon S3 Glacier storage classes**
- D. Amazon Route 53

Answer: C

S3 Glacier storage classes are designed for low-cost archive use cases. Trap: EBS is block storage for EC2, not low-cost archive storage. The tempting wrong choice 'Amazon ElastiCache' fails because it does not best match the requirement in this scenario.

Question 25 : Domain 3: Cloud Technology and Services

Which AWS service transfers data between on-premises storage and AWS storage services online?

- A. AWS WAF
- B. AWS DataSync**
- C. AWS Secrets Manager
- D. Amazon Polly

Answer: B

DataSync automates online data transfers to and from AWS storage services. Trap: WAF filters web requests and does not transfer data. The tempting wrong choice 'AWS WAF' fails because it does not best match the requirement in this scenario.

Question 26 : Domain 3: Cloud Technology and Services

Which service connects on-premises environments to cloud storage using file, volume, or tape gateway options?

- A. Amazon SNS
- B. AWS Storage Gateway**
- C. Amazon GuardDuty
- D. AWS Config

Answer: B

Storage Gateway provides hybrid cloud storage integration. Trap: GuardDuty is threat detection. The tempting wrong choice 'Amazon SNS' fails because it does not best match the requirement in this scenario.

Question 27 : Domain 3: Cloud Technology and Services

Which AWS service provides managed Windows file storage?

- A. AWS IAM
- B. Amazon S3 Standard
- C. Amazon CloudWatch
- D. Amazon FSx for Windows File Server**

Answer: D

Amazon FSx for Windows File Server provides managed SMB file storage. Trap: S3 is object storage, not a Windows file system. The tempting wrong choice 'AWS IAM' fails because it does not best match the requirement in this scenario.

Question 28 : Domain 3: Cloud Technology and Services

Which AWS service provides an in-memory cache compatible with Redis or Memcached?

- A. AWS DataSync
- B. Amazon Redshift
- C. Amazon S3 Glacier
- D. Amazon ElastiCache**

Answer: D

ElastiCache is a managed in-memory caching service. Trap: Redshift is a data warehouse. The tempting wrong choice 'AWS DataSync' fails because it does not best match the requirement in this scenario.

Question 29 : Domain 3: Cloud Technology and Services

Which service provides a graph database for highly connected data?

- A. Amazon Neptune**
- B. Amazon RDS for MySQL
- C. AWS Batch
- D. Amazon SQS

Answer: A

Amazon Neptune is a managed graph database service. Trap: RDS for MySQL is relational, not graph-focused. The tempting wrong choice 'Amazon RDS for MySQL' fails because it does not best match the requirement in this scenario.

Question 30 : Domain 3: Cloud Technology and Services

Which database service is purpose-built for ledger-style immutable transaction logs?

- A. Amazon EFS
- B. AWS Backup
- C. Amazon QLDB**
- D. Amazon DynamoDB Accelerator

Answer: C

Amazon QLDB is a ledger database with an immutable, cryptographically verifiable journal. Trap: DAX accelerates DynamoDB reads but is not a ledger database. The tempting wrong choice 'Amazon EFS' fails because it does not best match the requirement in this scenario.

Question 31 : Domain 3: Cloud Technology and Services

Which service accelerates DynamoDB read performance with an in-memory cache?

- A. AWS Direct Connect

B. Amazon Redshift Spectrum

C. Amazon Polly

D. Amazon DynamoDB Accelerator (DAX)

Answer: D

DAX is an in-memory cache designed for DynamoDB. Trap: Direct Connect is network connectivity. The tempting wrong choice 'AWS Direct Connect' fails because it does not best match the requirement in this scenario.

Question 32 : Domain 3: Cloud Technology and Services

Which service is used to create isolated subnets and route tables in AWS?

A. Amazon VPC

B. Amazon Macie

C. AWS Artifact

D. Amazon SNS

Answer: A

VPC is the networking foundation for subnets, route tables, and gateways. Trap: SNS is messaging. The tempting wrong choice 'Amazon Macie' fails because it does not best match the requirement in this scenario.

Question 33 : Domain 3: Cloud Technology and Services

Which component enables communication between a VPC and the internet for public resources?

A. Internet gateway

B. IAM group

C. KMS key

D. S3 bucket versioning

Answer: A

An internet gateway allows internet-routable communication for resources in public subnets. Trap: IAM groups manage permissions and are unrelated to routing. The tempting wrong choice 'IAM group' fails because it does not best match the requirement in this scenario.

Question 34 : Domain 3: Cloud Technology and Services

Which component allows instances in private subnets to initiate outbound internet connections without allowing inbound internet initiation?

A. NAT gateway

B. Security Hub

- C. AWS Artifact
- D. Internet gateway only

Answer: A

A NAT gateway enables outbound internet access from private subnets. Trap: An internet gateway alone would not preserve private subnet behavior. The tempting wrong choice 'Security Hub' fails because it does not best match the requirement in this scenario.

Question 35 : Domain 3: Cloud Technology and Services

Which service distributes incoming application traffic across multiple targets?

- A. Amazon Textract
- B. Elastic Load Balancing**
- C. AWS CloudTrail
- D. AWS Pricing Calculator

Answer: B

Elastic Load Balancing distributes traffic across targets such as EC2 instances, containers, and IPs. Trap: CloudTrail records API activity. The tempting wrong choice 'Amazon Textract' fails because it does not best match the requirement in this scenario.

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