# AWS CLF-C02

**AWS Cloud Practitioner Certification Questions & Answers**

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**CLF-C02**

**AWS Certified Cloud Practitioner**

**65 Questions Exam – 700 / 1000 Cut Score – Duration of 90 minutes**

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# Discover More about the CLF-C02 Certification

Are you interested in passing the AWS CLF-C02 exam? First discover, who benefits from the CLF-C02 certification. The CLF-C02 is suitable for a candidate if he wants to learn about Foundational. Passing the CLF-C02 exam earns you the AWS Certified Cloud Practitioner title.

While preparing for the CLF-C02 exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The CLF-C02 PDF contains some of the most valuable preparation tips and the details and instant access to useful **CLF-C02 study materials just at one click.**

# AWS CLF-C02 Cloud Practitioner Certification Details:

| | |
|---|---|
| **Exam Name** | AWS Cloud Practitioner |
| **Exam Code** | CLF-C02 |
| **Exam Price** | $100 USD |
| **Duration** | 90 minutes |
| **Number of Questions** | 65 |
| **Passing Score** | 700 / 1000 |
| **Recommended Training / Books** | **AWS Cloud Practitioner Essentials** |
| **Schedule Exam** | **PEARSON VUE** |
| **Sample Questions** | **AWS CLF-C02 Sample Questions** |
| **Recommended Practice** | **AWS Certified Cloud Practitioner Practice Test** |

# CLF-C02 Syllabus:

| Section | Objectives |
|---|---|
| **Cloud Concepts - 24%** | |
| **Define the benefits of the AWS Cloud.** | - Knowledge of:<br>• Value proposition of the AWS Cloud<br>- Skills in:<br>• Understanding the economies of scale (for example, cost savings) |

| Section | Objectives |
|---|---|
| | • Understanding the benefits of global infrastructure (for example, speed of deployment, global reach)<br>• Understanding the advantages of high availability, elasticity, and agility |
| **Identify design principles of the AWS Cloud.** | - Knowledge of:<br>• AWS Well-Architected Framework<br>- Skills in:<br>• Understanding the pillars of the Well-Architected Framework (for example, operational excellence, security, reliability, performance efficiency, cost optimization, sustainability)<br>• Identifying differences between the pillars of the Well-Architected Framework |
| **Understand the benefits of and strategies for migration to the AWS Cloud.** | - Knowledge of:<br>• Cloud adoption strategies<br>• Resources to support the cloud migration journey<br>- Skills in:<br>• Understanding the benefits of the AWS Cloud Adoption Framework (AWS CAF) (for example, reduced business risk; improved environmental, social, and governance (ESG) performance; increased revenue; increased operational efficiency)<br>• Identifying appropriate migration strategies (for example, database replication, use of AWS Snowball) |
| **Understand concepts of cloud economics.** | - Knowledge of:<br>• Aspects of cloud economics<br>• Cost savings of moving to the cloud<br>- Skills in:<br>• Understanding the role of fixed costs compared with variable costs<br>• Understanding costs that are associated with on-premises environments<br>• Understanding the differences between licensing strategies (for example, Bring Your Own License [BYOL] model compared with included licenses)<br>• Understanding the concept of rightsizing<br>• Identifying benefits of automation (for example, provisioning and configuration management with AWS CloudFormation) |

| Section | Objectives |
|---|---|
| | • Identifying managed AWS services (for example, Amazon RDS, Amazon Elastic Container Service [Amazon ECS], Amazon Elastic Kubernetes Service [Amazon EKS], Amazon DynamoDB) |
| **Security and Compliance - 30%** | |
| **Understand the AWS shared responsibility model.** | - Knowledge of:<br>• AWS shared responsibility model<br>- Skills in:<br>• Recognizing the components of the AWS shared responsibility model<br>• Describing the customer's responsibilities on AWS<br>• Describing AWS responsibilities<br>• Describing responsibilities that the customer and AWS share<br>• Describing how AWS responsibilities and customer responsibilities can shift, depending on the service used (for example, Amazon RDS, AWS Lambda, Amazon EC2) |
| **Understand AWS Cloud security, governance, and compliance concepts.** | - Knowledge of:<br>• AWS compliance and governance concepts<br>• Benefits of cloud security (for example, encryption)<br>• Where to capture and locate logs that are associated with cloud security<br>- Skills in:<br>• Identifying where to find AWS compliance information (for example, AWS Artifact)<br>• Understanding compliance needs among geographic locations or industries (for example, AWS Compliance)<br>• Describing how customers secure resources on AWS (for example, Amazon Inspector, AWS Security Hub, Amazon GuardDuty, AWS Shield)<br>• Identifying different encryption options (for example, encryption in transit, encryption at rest)<br>• Recognizing services that aid in governance and compliance (for example, monitoring with Amazon CloudWatch; auditing with AWS CloudTrail, AWS Audit Manager, and AWS Config; reporting with access reports)<br>• Recognizing compliance requirements that vary among AWS services |

| Section | Objectives |
|---|---|
| **Identify AWS access management capabilities.** | - Knowledge of:<br>• Identity and access management (for example, AWS Identity and Access Management [IAM])<br>• Importance of protecting the AWS root user account<br>• Principle of least privilege<br>• AWS IAM Identity Center (AWS Single Sign-On)<br>- Skills in:<br>• Understanding access keys, password policies, and credential storage (for example, AWS Secrets Manager, AWS Systems Manager)<br>• Identifying authentication methods in AWS (for example, multi-factor authentication [MFA], IAM Identity Center, cross-account IAM roles)<br>• Defining groups, users, custom policies, and managed policies in compliance with the principle of least privilege<br>• Identifying tasks that only the account root user can perform<br>• Understanding which methods can achieve root user protection<br>• Understanding the types of identity management (for example, federated) |
| **Identify components and resources for security.** | - Knowledge of:<br>• Security capabilities that AWS provides<br>• Security-related documentation that AWS provides<br>- Skills in:<br>• Describing AWS security features and services (for example, security groups, network ACLs, AWS WAF)<br>• Understanding that third-party security products are available from AWS Marketplace<br>• Identifying where AWS security information is available (for example, AWS Knowledge Center, AWS Security Center, AWS Security Blog)<br>• Understanding the use of AWS services for identifying security issues (for example, AWS Trusted Advisor) |
| **Cloud Technology and Services - 34%** | |
| **Define methods of deploying and operating in the AWS Cloud.** | - Knowledge of:<br>• Different ways of provisioning and operating in the AWS Cloud |

| Section | Objectives |
|---|---|
| | • Different ways to access AWS services<br>• Types of cloud deployment models<br>• Connectivity options<br>- Skills in:<br>• Deciding between options such as programmatic access (for example, APIs, SDKs, CLI), the AWS Management Console, and infrastructure as code (IaC)<br>• Evaluating requirements to determine whether to use one-time operations or repeatable processes<br>• Identifying different deployment models (for example, cloud, hybrid, onpremises)<br>• Identifying connectivity options (for example, AWS VPN, AWS Direct Connect, public internet) |
| **Define the AWS global infrastructure.** | - Knowledge of:<br>• AWS Regions, Availability Zones, and edge locations<br>• High availability<br>• Use of multiple Regions<br>• Benefits of edge locations<br>• AWS Wavelength Zones and AWS Local Zones<br>- Skills in:<br>• Describing relationships among Regions, Availability Zones, and edge locations<br>• Describing how to achieve high availability by using multiple Availability Zones<br>• Recognizing that Availability Zones do not share single points of failure<br>• Describing when to use multiple Regions (for example, disaster recovery, business continuity, low latency for end users, data sovereignty)<br>• Describing at a high level the benefits of edge locations (for example, Amazon CloudFront, AWS Global Accelerator) |
| **Identify AWS compute services.** | - Knowledge of:<br>• AWS compute services<br>- Skills in:<br>• Recognizing the appropriate use of different EC2 instance types (for example, compute optimized, storage optimized)<br>• Recognizing the appropriate use of different container options (for example, Amazon ECS, Amazon EKS) |

| Section | Objectives |
|---|---|
| | • Recognizing the appropriate use of different serverless compute options (for example, AWS Fargate, Lambda)<br>• Recognizing that auto scaling provides elasticity<br>• Identifying the purposes of load balancers |
| **Identify AWS database services.** | - Knowledge of:<br>• AWS database services<br>• Database migration<br>- Skills in:<br>• Deciding when to use EC2 hosted databases or AWS managed databases<br>• Identifying relational databases (for example, Amazon RDS, Amazon Aurora)<br>• Identifying NoSQL databases (for example, DynamoDB)<br>• Identifying memory-based databases<br>• Identifying database migration tools (for example AWS Database Migration Service [AWS DMS], AWS Schema Conversion Tool [AWS SCT]) |
| **Identify AWS network services.** | - Knowledge of:<br>• AWS network services<br>- Skills in:<br>• Identifying the components of a VPC (for example, subnets, gateways)<br>• Understanding security in a VPC (for example, network ACLs, security groups)<br>• Understanding the purpose of Amazon Route 53<br>• Identifying edge services (for example, CloudFront, Global Accelerator)<br>• Identifying network connectivity options to AWS (for example AWS VPN, Direct Connect) |
| **Identify AWS storage services.** | - Knowledge of:<br>• AWS storage services<br>- Skills in:<br>• Identifying the uses for object storage<br>• Recognizing the differences in Amazon S3 storage classes<br>• Identifying block storage solutions (for example, Amazon Elastic Block Store [Amazon EBS], instance store) |

| Section | Objectives |
|---|---|
| | • Identifying file services (for example, Amazon Elastic File System [Amazon EFS], Amazon FSx)<br>• Identifying cached file systems (for example, AWS Storage Gateway)<br>• Understanding use cases for lifecycle policies<br>• Understanding use cases for AWS Backup |
| **Identify AWS artificial intelligence and machine learning (AI/ML) services and analytics services.** | - Knowledge of:<br>• AWS AI/ML services<br>• AWS analytics services<br>- Skills in:<br>• Understanding the different AI/ML services and the tasks that they accomplish (for example, Amazon SageMaker, Amazon Lex, Amazon Kendra)<br>• Identifying the services for data analytics (for example, Amazon Athena, Amazon Kinesis, AWS Glue, Amazon QuickSight) |
| **Identify services from other in-scope AWS service categories.** | - Knowledge of:<br>• Application integration services of Amazon EventBridge, Amazon Simple Notification Service (Amazon SNS), and Amazon Simple Queue Service (Amazon SQS)<br>• Business application services of Amazon Connect and Amazon Simple Email Service (Amazon SES)<br>• Customer engagement services of AWS Activate for Startups, AWS IQ, AWS Managed Services (AMS), and AWS Support<br>• Developer tool services and capabilities of AWS AppConfig, AWS Cloud9, AWS CloudShell, AWS CodeArtifact, AWS CodeBuild, AWS CodeCommit, AWS CodeDeploy, AWS CodePipeline, AWS CodeStar, and AWS X-Ray<br>• End-user computing services of Amazon AppStream 2.0, Amazon WorkSpaces, and Amazon WorkSpaces Web<br>• Frontend web and mobile services of AWS Amplify and AWS AppSync<br>• IoT services of AWS IoT Core and AWS IoT Greengrass<br>- Skills in:<br>• Choosing the appropriate service to deliver messages and to send alerts and notifications<br>• Choosing the appropriate service to meet business application needs<br>• Choosing the appropriate service for AWS customer support |

| Section | Objectives |
|---|---|
| | • Choosing the appropriate option for business support assistance<br>• Identifying the tools to develop, deploy, and troubleshoot applications<br>• Identifying the services that can present the output of virtual machines (VMs) on end-user machines<br>• Identifying the services that can create and deploy frontend and mobile services<br>• Identifying the services that manage IoT devices |
| **Billing, Pricing, and Support - 12%** | |
| **Compare AWS pricing models.** | - Knowledge of:<br>• Compute purchasing options (for example, On-Demand Instances, Reserved Instances, Spot Instances, Savings Plans, Dedicated Hosts, Dedicated Instances, Capacity Reservations)<br>• Data transfer charges<br>• Storage options and tiers<br>- Skills in:<br>• Identifying and comparing when to use various compute purchasing options<br>• Describing Reserved Instance flexibility<br>• Describing Reserved Instance behavior in AWS Organizations<br>• Understanding incoming data transfer costs and outgoing data transfer costs (for example, from one Region to another Region, within the same Region)<br>• Understanding different pricing options for various storage options and tiers |
| **Understand resources for billing, budget, and cost management.** | - Knowledge of:<br>• Billing support and information<br>• Pricing information for AWS services<br>• AWS Organizations<br>• AWS cost allocation tags<br>- Skills in:<br>• Understanding the appropriate uses and capabilities of AWS Budgets, AWS Cost Explorer, and AWS Billing Conductor<br>• Understanding the appropriate uses and capabilities of AWS Pricing Calculator |

| Section | Objectives |
|---|---|
| | • Understanding AWS Organizations consolidated billing and allocation of costs<br>• Understanding various types of cost allocation tags and their relation to billing reports (for example, AWS Cost and Usage Report) |
| **Identify AWS technical resources and AWS Support options.** | - Knowledge of:<br>• Resources and documentation available on official AWS websites<br>• AWS Support plans<br>• Role of the AWS Partner Network, including independent software vendors and system integrators<br>• AWS Support Center<br>- Skills in:<br>• Locating AWS whitepapers, blogs, and documentation on official AWS websites<br>• Identifying and locating AWS technical resources (for example AWS Prescriptive Guidance, AWS Knowledge Center, AWS re:Post)<br>• Identifying AWS Support options for AWS customers (for example, customer service and communities, AWS Developer Support, AWS Business Support, AWS Enterprise On-Ramp Support, AWS Enterprise Support)<br>• Identifying the role of Trusted Advisor, AWS Health Dashboard, and the AWS Health API to help manage and monitor environments for cost optimization<br>• Identifying the role of the AWS Trust and Safety team to report abuse of AWS resources<br>• Understanding the role of AWS Partners (for example AWS Marketplace, independent software vendors, system integrators)<br>• Identifying the benefits of being an AWS Partner (for example, partner training and certification, partner events, partner volume discounts)<br>• Identifying the key services that AWS Marketplace offers (for example, cost management, governance and entitlement)<br>• Identifying technical assistance options available at AWS (for example, AWS Professional Services, AWS Solutions Architects) |

# Broaden Your Knowledge with AWS CLF-C02 Sample Questions:

## Question: 1

When an ELB detects an unhealthy EC2 instance, which action does it perform regarding distributing incoming traffic?

a) It only sends traffic to the remaining healthy instances.
b) It restarts the unhealthy EC2 instance.
c) It terminates the failed instance so that it is not part of the ELB target group.
d) It continues to send traffic to the failed instance.

**Answer: a**

## Question: 2

Which of the following services can help fulfill the guidelines provided in the performance pillar concerning ensuring low latency access to video content hosted in a single S3 bucket globally?

a) Use AWS CloudFront to cache the video content closer to end users.
b) Use Amazon Elasticache to cache the video content closer to end users.
c) Use AWS DynamoDB DAX to cache the video content closer to end users.
d) Use Amazon Kinesis to cache the video content closer to end users.

**Answer: a**

## Question: 3

Your on-premises applications require access to a centrally managed cloud storage service. The application running on your servers need to be able to store and retrieve files as durable objects on Amazon S3 over standard NFS-based access with local caching.

Which AWS service can help you deliver a solution to meet the aforementioned requirements?

a) EBS volumes
b) Amazon Redshift
c) AWS Storage Gateway— Amazon S3File Gateway
d) AWS EFS

**Answer: c**

## Question: 4

A Cloud Practitioner is developing a new application and wishes to integrate features of AWS services directly into the application. Which of the following is the BEST tool for this purpose?

a) AWS Command Line Interface (CLI)
b) AWS CodeDeploy
c) AWS Software Development Kit
d) AWS CodePipeline

**Answer: c**

## Question: 5

Regarding the AWS Shared Responsibility Model, who is responsible for patching Amazon RDS database instances?

a) AWS
b) Customer
c) Database engine vendor
d) Both the customer and AWS

**Answer: a**

## Question: 6

Where should firewalling be accomplished in a web hosting design in AWS?

a) At the perimeter
b) At all design layers
c) At the core
d) For all access layer functions

**Answer: b**

## Question: 7

When running applications in the AWS Cloud, which common tasks can AWS manage on behalf of their customers? (Select TWO.)

a) Taking a backup of a database
b) Patching database software
c) Application source code auditing
d) Application security testing
e) Creating a database schema

**Answer: a, b**

**Question: 8**

How much data can a company store in the Amazon S3 service?

a) 100 PB
b) 1 PB
c) 100 TB
d) Virtually unlimited

**Answer: d**

**Question: 9**

What advantages does a database administrator obtain by using the Amazon Relational Database Service (RDS)?

a) RDS enables users to dynamically adjust CPU and RAM resources.
b) RDS databases automatically scale based on load.
c) RDS provides 99.99999999999% reliability and durability.
d) RDS simplifies relational database administration tasks.

**Answer: d**

**Question: 10**

Customers using AWS services must patch operating systems on which of the following services?

a) AWS Fargate
b) Amazon DynamoDB
c) Amazon EC2
d) AWS Lambda

**Answer: c**

# Avail the Study Guide to Pass AWS CLF-C02 Cloud Practitioner Exam:

- Find out about the CLF-C02 syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.
- Once you are done exploring the **CLF-C02 syllabus**, it is time to plan for studying and covering the syllabus topics from the core. Chalk out the

best plan for yourself to cover each part of the syllabus in a hassle-free manner.

- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.
- The candidate should not miss out on the scope to learn from the CLF-C02 training. Joining the AWS provided training for CLF-C02 exam helps a candidate to strengthen his practical knowledge base from the certification.
- Learning about the probable questions and gaining knowledge regarding the exam structure helps a lot. Go through the **CLF-C02 sample questions** and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. CLF-C02 practice tests would guide you on your strengths and weaknesses regarding the syllabus topics. Through rigorous practicing, you can improve the weaker sections too. Learn well about time management during exam and become confident gradually with practice tests.

## Career Benefits:

- Passing the CLF-C02 exam, helps a candidate to prosper highly in his career. Having the certification on the resume adds to the candidate's benefit and helps to get the best opportunities.