



# AWS Certified Cloud Practitioner (CLF-C02)

## Analytics:

Amazon Athena	Serverless, Interactive query service
AWS Data Exchange	Find and subscribe to third-party data in the cloud
Amazon EMR	Managed Hadoop framework
AWS Glue	Fully managed ETL (extract, transform, and load) service
Amazon Kinesis	Work with real time streaming data
Amazon MSK	Fully managed service for Apache Kafka
Amazon OpenSearch Service	Run and Scale OpenSearch and Elasticsearch Clusters
Amazon QuickSight	Fast, easy to use business analytics
Amazon Redshift	Fully managed, petabyte-scale data warehouse service

## Application Integration:

Amazon EventBridge	Serverless event bus to decouple event producers and consumers
Amazon SNS	Managed message topics for Pub/Sub
Amazon SQS	Managed message queues
AWS Step Functions	Serverless function orchestrator

## Business Productivity:

Amazon Connect	A contact center that enables engagement at any scale
Amazon SES	Email sending and receiving service

## Compute:

AWS Batch	Fully managed batch processing at any scale
Amazon EC2	Virtual servers in the cloud
Amazon Elastic Beanstalk	Run and manage web apps
Amazon Lightsail	Launch and manage virtual private servers
AWS Local Zones	Run latency sensitive applications closer to end users
AWS Outposts	Run AWS Services on premises
AWS Wavelength	Deliver ultra-low-latency applications for 5G devices

## Containers:

Amazon ECR	Fully-managed Docker container registry
Amazon ECS	Highly secure, reliable, and scalable way to run containers
Amazon EKS	Managed service to run Kubernetes on AWS

## Cost Management:

AWS Billing Conductor	Simplifying your billing practice
AWS Budgets	Set custom budgets and receive alerts
AWS Cost and Usage Report	Most comprehensive set of AWS cost and usage data
AWS Cost Explorer	Visualize and explore your AWS costs and usage
AWS Marketplace	Digital catalog where you can find, buy, and deploy software

## Customer Engagement:

AWS Activate for Startups	Resources to help startups build and grow on AWS
AWS IQ	Complete projects faster with help from third-party AWS Certified experts
AWS Managed Services (AMS)	Operational excellence in the cloud
AWS Support	Contact AWS for technical and account support.

## Database:

Amazon Aurora	MySQL and PostgreSQL compatible relational database
Amazon DynamoDB	Managed NoSQL database
Amazon MemoryDB for Redis	Fully managed, Redis-compatible, in-memory database service
Amazon Neptune	Fast, reliable graph database built for the cloud
Amazon RDS	Managed relational database service

## Developer Tools:

AWS AppConfig	Manage Dynamic Application Configuration and Feature Flags
AWS CLI	Enables you to interact with AWS services using commands in your command-line shell
AWS Cloud9	A Cloud IDE for writing, running, and debugging code
AWS CloudShell	A browser-based shell with AWS CLI access from the AWS Management Console
AWS CodeArtifact	Secure, scalable, and cost-effective artifact management for software development
AWS CodeBuild	Build and Test Code
AWS CodeCommit	Store Code in Private Git Repositories
AWS CodeDeploy	Automate Code Deployments
AWS CodePipeline	Release Software using Continuous Delivery
AWS CodeStar	Quickly develop, build, and deploy applications
AWS X-Ray	Request tracing, exception collection, and profiling capabilities

## End user computing:

Amazon AppStream 2.0	Stream desktop applications securely to any web browser
Amazon WorkSpaces	Desktops in the Cloud
Amazon WorkSpaces Web	Browser based access to internal sites and SaaS web applications with enterprise controls

## Front-end web and mobile:

AWS Amplify	Build extensible, full-stack web and mobile apps
AWS AppSync	Real-Time Data Sync Using GraphQL for Mobile & Web Apps, Online or Offline
AWS Device Farm	Test Android, iOS, and Web Apps on Real Devices in the Cloud

## Internet of Things:

AWS IoT Core	Connect Devices to the Cloud
AWS IoT Greengrass	Deploy and run code on your devices

## Machine learning:

Amazon Comprehend	Analyze unstructured text
Amazon Kendra	Highly accurate enterprise search service powered by ML

## Machine learning (Continued):

Amazon Lex	Build voice and text chatbots
Amazon Polly	Turn Text into Lifelike Speech
Amazon Rekognition	Search and analyze images
Amazon SageMaker	Build, train, and deploy machine learning models
Amazon Textract	Easily extract text and data from virtually any document
Amazon Transcribe	Powerful speech recognition
Amazon Translate	Powerful neural machine translation

## Management and Governance:

AWS Auto Scaling	Scale your entire application on AWS
AWS CloudFormation	Create and manage resources with templates
AWS CloudTrail	Track user activity and API usage
Amazon CloudWatch	Monitor resources and applications
AWS Compute Optimizer	Recommend optimal AWS Compute resources for your workloads
AWS Config	Track resource inventory and changes
AWS Control Tower	The easiest way to set up and govern a secure, compliant multi-account environment
AWS Health Dashboard	Personalized view of AWS service health
AWS Launch Wizard	Guided deployment for Enterprise applications and complex workloads
AWS License Manager	Set rules to manage, discover, and report third-party license usage proactively
AWS Mgmt. Console	Web interface to access and manage the AWS cloud
AWS Organizations	Central governance and management across AWS accounts
AWS Resource Groups and Tag Editor	Find and group your AWS resources by using queries
AWS Service Catalog	Create and use standardized products
AWS Systems Manager	Centrally manage application and resource in hybrid environments
AWS Trusted Advisor	Optimize performance and security
AWS Well-Architected Tool	Review your workloads against current AWS best practices

## Migration and Transfer:

AWS Application Discovery Service	Discover on-premises application inventory and dependencies
AWS Application Migration Service	Simplify and accelerate migrations to AWS (next generation of CloudEndure Migration)
AWS DMS	Managed database migration service
AWS Migration Hub	A single location to track migrations
AWS Schema Conversion Tool (AWS SCT)	Convert your existing database schema from one database engine to another.
AWS Snow Family	A collection of physical devices that help migrate large amounts of data
AWS Transfer Family	Fully managed file transfer into and out of AWS over SFTP, FTPS and FTP

## Networking and Content Delivery:

Amazon API Gateway	Build, Deploy and Manage APIs
Amazon CloudFront	Global content delivery network
AWS Direct Connect	Dedicated network connection to AWS
AWS Global Accelerator	Route traffic over AWS global network
Amazon Route 53	Scalable DNS and Domain Name registration
Amazon VPC	Logically isolated virtual network
AWS VPN	Establish secure connections between your on-premises networks

## Security, Identity, and Compliance:

AWS Artifact	AWS Compliance reports and agreements
AWS Audit Manager	Continuously assess controls for risk and compliance
AWS Certificate Manager (ACM)	Provision, manage, and deploy SSL/TLS certificates
AWS CloudHSM	Managed Hardware Security Modules in the Cloud
Amazon Cognito	Consumer identity management and AWS credentials for federated identities
Amazon Detective	Investigate and analyze potential security issues
AWS Directory Service	Host and manage Active Directory
AWS Firewall Manager	Central management of firewall rule
Amazon GuardDuty	Intelligent threat detection
AWS IAM	Identity and access management for AWS resources
AWS IAM Identity Center (AWS Single Sign-On)	SSO access to AWS accounts and business applications
Amazon Inspector	Automated vulnerability scanning service
AWS KMS	Securely generate and manage AWS encryption keys
Amazon Macie	Automatically discover, classify, and protect sensitive data in AWS
AWS Network Firewall	Stateful, managed network firewall and intrusion prevention/ detection service
AWS Resource Access Manager (AWS RAM)	Share AWS resources with other accounts or AWS Organizations
AWS Secrets Manager	Rotate, manage, and retrieve secrets throughout their lifecycle
AWS Security Hub	Aggregated findings across AWS services and partner solutions
AWS Shield	Managed DDoS protection service
AWS WAF	Web application firewall to protect web applications from attacks

## Serverless:

AWS Fargate	Serverless compute engine for running containers
AWS Lambda	Run code without thinking about servers

## Storage:

AWS Backup	Centrally manages and automates backups across AWS service
Amazon EBS	Block storage for use with EC2 instances
Amazon EFS	Managed file storage for EC2
AWS Elastic Disaster Recovery	Scalable, cost-effective application recovery to AWS
Amazon FSx	Managed file systems for various workloads
Amazon S3	Scalable object storage in the cloud
Amazon S3 Glacier	Archive storage in the cloud
AWS Storage Gateway	Hybrid cloud storage service

Exam Level	Length	Cost	Questions
Foundational	90 Minutes	100 USD	65 Questions

Domain:	% of Exam
Domain 1: Cloud Concepts	24%
Domain 2: Security and Compliance	30%
Domain 3: Cloud Technology and Services	34%
Domain 4: Billing, Pricing, and Support	12%

