



# AWS Certified Developer – Associate (DVA-C02)

## Analytics:

Amazon Athena	Serverless, Interactive query service
Amazon Kinesis	Work with real-time streaming data
Amazon OpenSearch Service	Search, visualize, and analyze up to petabytes of text and unstructured data

## Application Integration:

AWS AppSync	Real-Time Data Sync Using GraphQL
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

## Compute:

Amazon EC2	Virtual servers in the cloud
Amazon Elastic Beanstalk	Run and manage web apps
AWS Lambda	Run code without thinking about servers
AWS Serverless Application Model (AWS SAM)	Open-source framework to build serverless applications on AWS

## Containers:

AWS Copilot	Launch and manage your containerized application on AWS using CLI
Amazon Elastic Container Registry (Amazon ECR)	Fully managed container registry to store, manage, share, and deploy container images
Amazon Elastic Container Service (Amazon ECS)	Highly secure, reliable, and scalable way to run containers
Amazon Elastic Kubernetes Services (Amazon EKS)	Managed service to run Kubernetes on AWS

## Database:

Amazon Aurora	MySQL and PostgreSQL compatible relational database
Amazon DynamoDB	Managed NoSQL database
Amazon ElastiCache	Managed caching service for Redis and Memcached
Amazon MemoryDB for Redis	Redis-compatible, durable, in-memory database service for ultra-fast performance
Amazon RDS	Managed relational database service

## Developer Tools:

AWS Amplify	Build extensible, full-stack web and mobile apps
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
Amazon CodeGuru	Intelligent recommendations for building and running modern applications
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

## Management and Governance:

AWS AppConfig	Configure, validate, deploy feature flags and application configuration
AWS Cloud Development Kit	Define your cloud application resources using familiar programming languages
AWS CloudFormation	Create and manage resources with templates
AWS CloudTrail	Track user activity and API usage
Amazon CloudWatch	Monitor resources and applications
Amazon CloudWatch Logs	Monitor, store, and access your log files
AWS Command Line Interface (AWS CLI)	Enables you to interact with AWS services using commands in your command-line shell
AWS Systems Manager	Centrally manage application and resource in hybrid environments

## Networking and Content Delivery:

Amazon API Gateway	Build, deploy and manage APIs
Amazon CloudFront	Global content delivery network
Elastic Load Balancing	Distribute your incoming traffic across multiple targets
Amazon Route 53	Scalable DNS and Domain Name registration
Amazon VPC	Logically isolated virtual network

## Security, Identity, and Compliance:

AWS Certificate Manager (ACM)	Provision, manage, and deploy SSL/TLS certificates
AWS Certificate Manager Private Certificate Authority	Managed private certificate authority service
Amazon Cognito	Consumer identity management and AWS credentials for federated identities
AWS Identity and Access Management (IAM)	Identity and access management for AWS resources
AWS KMS	Securely generate and manage AWS encryption keys
AWS Secrets Manager	Rotate, manage, and retrieve secrets throughout their lifecycle
AWS Security Token Service (AWS STS)	Request temporary, limited-privilege credentials
AWS WAF	Web application firewall to protect web applications

## Storage:

Amazon EBS	Block storage for use with EC2 instances
Amazon EFS	Managed file storage for EC2
Amazon S3	Scalable object storage in the cloud
Amazon S3 Glacier	Archive storage in the cloud

Exam Level	Length	Cost	Questions
Associate	130 Minutes	150 USD	65 Questions

## Domain: % of Exam

Domain 1: Development with AWS Services	32%
Domain 2: Security	26%
Domain 3: Development	24%
Domain 4: Troubleshooting and Optimization	18%

Check additional learning resources on - <https://www.analogiescloud.com>  
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Feedback/Suggestion?  
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