



AWS Certified Solutions Architect – Associate (SAA-C03)

Analytics:

Amazon Athena	Serverless, Interactive query service
AWS Data Exchange	Find and subscribe to third-party data in the cloud
AWS Data Pipeline	Orchestration for Data-Driven Workflows
Amazon EMR	Managed Hadoop framework
AWS Glue	Fully managed ETL (extract, transform, and load) service
Amazon Kinesis	Work with real-time streaming data
AWS Lake Formation	Build, secure, and manage your data lake
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 AppFlow	Integrates apps and automates data flows without code
AWS AppSync	Real-Time Data Sync Using GraphQL
Amazon EventBridge	Serverless event bus to decouple event producers and consumers
Amazon MQ	Managed Apache ActiveMQ and RabbitMQ
Amazon SNS	Managed message topics for Pub/Sub
Amazon SQS	Managed message queues
AWS Step Functions	Serverless function orchestrator

AWS Billing and Cost Management:

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
Savings Plans	Flexible pricing model offering lower prices, in exchange for a specific usage commitment (measured in \$/hour)

Compute:

AWS Batch	Fully managed batch processing at any scale
Amazon EC2	Virtual servers in the cloud
Amazon EC2 Auto Scaling	Automatically add or remove EC2 instances according to conditions you define
Amazon Elastic Beanstalk	Run and manage web apps
AWS Outposts	Run AWS Services on premises
AWS Serverless Application Repository	Assemble, deploy, and share serverless applications within teams or publicly
VMware Cloud on AWS	VMware's enterprise-class SDDC software on the AWS Cloud
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 ECS Anywhere	Easily run containers on customer-managed infrastructure
Amazon EKS	Managed service to run Kubernetes on AWS
Amazon EKS Anywhere	Create and operate Kubernetes clusters on your own infrastructure
Amazon EKS Distro	An open-source distribution of Kubernetes from AWS

Database:

Amazon Aurora	MySQL and PostgreSQL compatible relational database
Amazon Aurora Serverless	On-demand, auto-scaling configuration for Amazon Aurora
Amazon DocumentDB	Fully-managed MongoDB-compatible database service
Amazon DynamoDB	Managed NoSQL database
Amazon ElastiCache	Managed caching service for Redis and Memcached
Amazon Keyspaces	Apache Cassandra-compatible database service
Amazon Neptune	Fast, reliable graph database built for the cloud
Amazon QLDB	Fully managed ledger database
Amazon RDS	Managed relational database service
Amazon Redshift	Fully managed, petabyte-scale data warehouse service
Amazon Timestream	Fast, scalable, and serverless time series database

Developer Tools:

AWS X-Ray	Request tracing, exception collection, and profiling capabilities
-----------	---

Front-end web and mobile:

AWS Amplify	Build extensible, full-stack web and mobile apps
Amazon API Gateway	Build, Deploy and Manage APIs
AWS Device Farm	Test Android, iOS, and Web Apps on Real Devices in the Cloud
Amazon Pinpoint	Engage Users via Email, SMS, Push & Analytics

Machine learning:

Amazon Comprehend	Analyze unstructured text
Amazon Forecast	Fully-managed service for accurate time-series forecasting
Amazon Fraud Detector	Detect more online fraud faster using machine learning
Amazon Kendra	Highly accurate enterprise search service powered by ML
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 CLI	AWS Command Line Interface - Enables you to interact with AWS services using commands in your command-line shell
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

Management and Governance (Continued):

AWS License Manager	Set rules to manage, discover, and report third-party license usage proactively
Amazon Managed Grafana	Fully managed Grafana service for interactive data visualizations and dashboarding
Amazon Managed Service for Prometheus	A fully managed Prometheus-compatible monitoring service
AWS Mgmt. Console	Web interface to access and manage the AWS cloud
AWS Organizations	Central governance and management across AWS accounts
AWS Personal Health Dashboard	Personalized view of AWS service health
AWS Proton	Automate container and serverless deployments
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

Media Services:

Amazon Elastic Transcoder	Easy-to-use scalable media transcoding to convert media files
Amazon Kinesis Video Streams	Capture, Process, and Store Video Streams for Analytics and Machine Learning

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 DataSync	Simplifies, automates, and accelerates moving data
AWS Migration Hub	A single location to track migrations
AWS SMS	Migrate on-premises servers to AWS
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 CloudFront	Global content delivery network
AWS Direct Connect	Dedicated network connection to AWS
Elastic Load Balancing (ELB)	Automatically distributes incoming application traffic across multiple targets
AWS Global Accelerator	Route traffic over AWS global network
AWS PrivateLink	Establish private connectivity between VPCs and services hosted on AWS or on-premises, without exposing data to the internet
Amazon Route 53	Scalable DNS and Domain Name registration
Amazon Transit Gateway	Connects VPCs and on-premises networks through a central hub
Amazon VPC	Logically isolated virtual network
AWS VPN	Establish secure connections between your on-premises networks, remote offices, client devices, and the AWS global network

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
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 to filter traffic at the perimeter of their VPC

Security, Identity, and Compliance(Continued):

AWS Resource Access Manager	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 Single Sign-On	SSO access to AWS accounts and business applications
AWS WAF	Web application firewall to protect web applications from attacks

Serverless:

AWS AppSync	Real-Time Data Sync Using GraphQL
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
Amazon FSx (for all types)	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
Associate	130 Minutes	150 USD	65 Questions

Domain: % of Exam

Domain 1: Design Secure Architectures	30%
Domain 2: Design Resilient Architectures	26%
Domain 3: Design High-Performing Architectures	24%
Domain 4: Design Cost-Optimized Architectures	20%

Check additional learning resources on - <https://www.analogiescloud.com>
Get all 12 certification details in a color paperback A4 size booklet on Amazon



Feedback/Suggestion?
Ashish Prajapati
 ashish@analogiescloud.com