

Day	Topic	Details
1-7	Introduction to Cloud Computing & AWS	Overview of cloud computing, AWS global infrastructure, and pricing. Introduction to core services like EC2, S3, and IAM.
8-14	Amazon EC2 (Elastic Compute Cloud)	Detailed hands-on with EC2: instance types, launching, connecting, security groups, key pairs, AMIs, and Auto Scaling.
15-21	Amazon S3 (Simple Storage Service)	Learn S3 concepts: buckets, objects, lifecycle policies, versioning, encryption, and security. Hands-on with uploading and managing data in S3.
22-28	AWS IAM (Identity and Access Management)	Understand IAM roles, users, policies, and best practices. Learn about MFA (Multi-Factor Authentication), and IAM for secure access.
29-35	Amazon VPC (Virtual Private Cloud)	Build your first VPC, subnets, route tables, internet gateways, NAT, security groups, and NACLs (Network Access Control Lists).
36-42	Amazon RDS (Relational Database Service)	Work with RDS: Launching databases, security, backup, performance tuning, and creating multi-AZ setups for high availability.
43-49	Amazon Lambda & Serverless Architecture	Introduction to serverless computing with Lambda. Hands-on with creating Lambda functions, triggers, and integrations with other AWS services.
50-56	Elastic Load Balancing (ELB) & Auto Scaling	Learn how to distribute traffic with ELB. Set up Auto Scaling groups and understand health checks and scaling policies.
57-63	Amazon SQS & SNS (Simple Queue Service & Simple Notification Service)	Explore SQS for message queuing and SNS for notification services. Hands-on integrating them with other services like Lambda.
64-70	Amazon CloudWatch & CloudTrail	Monitor resources with CloudWatch, set up alarms, and logging. Understand CloudTrail for auditing and logging AWS API calls.
71-77	Amazon CloudFront & Route 53	Learn about CloudFront for CDN (Content Delivery Network), caching strategies, and how Route 53 works for DNS management and routing.
78-84	AWS Security Best Practices	Explore security-related services like AWS KMS (Key Management Service), GuardDuty, Security Hub, and WAF (Web Application Firewall). Best practices.
85-90	Hands-on Labs and Mock Exam	Perform hands-on labs to reinforce everything learned. Take a mock exam for the AWS Certified Solutions Architect - Associate or your target certification.