

*the*knowledgeacademy

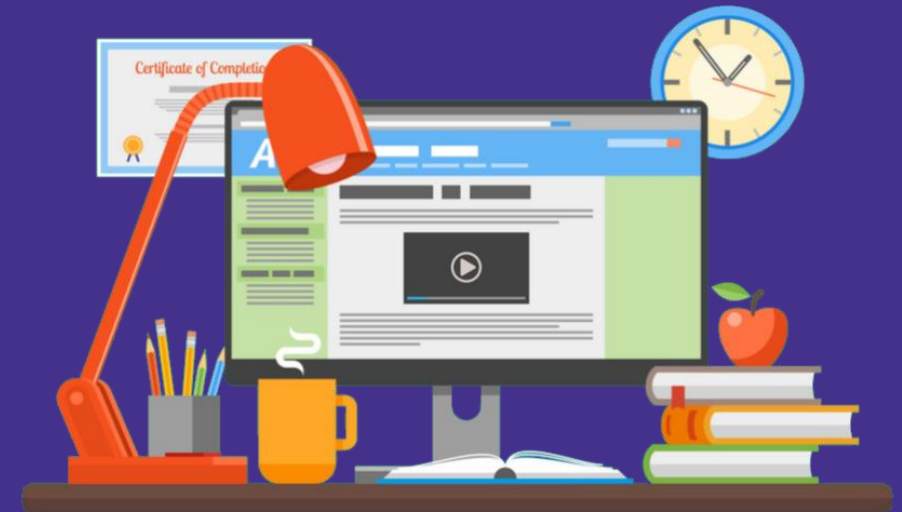
AWS Associate Solutions Architect Training

New York – San Francisco – London – Sydney – Dubai – Singapore – Vancouver – Bangalore



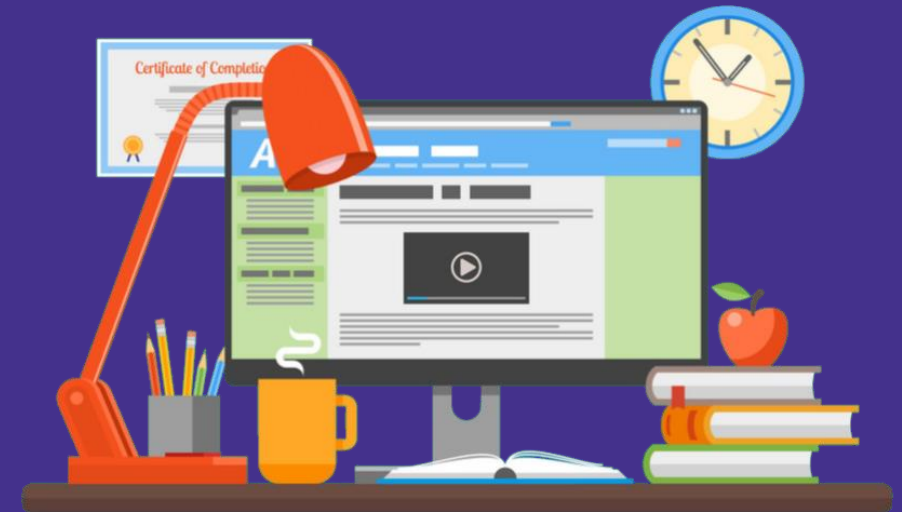
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AWS Associate Solutions Architect Training

- ✓ A solution architect determines how a system and its specific features support a company to reach its defined business objectives. Solution architect works with the development team to design and integrate data and computing systems that meet specific requirements.
- ✓ Amazon Web Services (AWS) is a leading pioneer in the field of on-demand computing technology. Organisations of all sizes use AWS to host applications and access the computing solutions they require.
- ✓ This AWS Solutions Architect Training course covers all the essential topics by which you will become fully familiar with cloud computing and the AWS platform architecture. During this training, you will learn about Amazon's virtual private cloud and database services.
- ✓ After attending this training course, you will be able to optimise performance for the core AWS services. You will become skilled at using AWS elastic cloud compute, simple storage service, virtual private cloud, etc., services for computing purposes.



Syllabus

This course is split into 13 easy-to-understand modules, which will cover all the essential topics by which you will become fully familiar with the cloud computing and AWS platform architecture.

- **Module 1: Introduction to AWS and Cloud Computing**
- **Module 2: Amazon Elastic Compute Cloud and Elastic Block Store**
- **Module 3: AWS Storage**
- **Module 4: Amazon Virtual Private Cloud and Database Services**
- **Module 5: Authentication and Authorisation**
- **Module 6: CloudTrail, AWS Config, and CloudWatch**
- **Module 7: Domain Name System and Network Routing**
- **Module 8: Simple Queue Services and Kinesis**
- **Module 9: Reliability Pillar**
- **Module 10: Performance Efficiency Pillar**
- **Module 11: Security Pillar**
- **Module 12: Cost Optimisation Pillar**
- **Module 13: Operational Excellence**

Module 1

Introduction to AWS and Cloud Computing

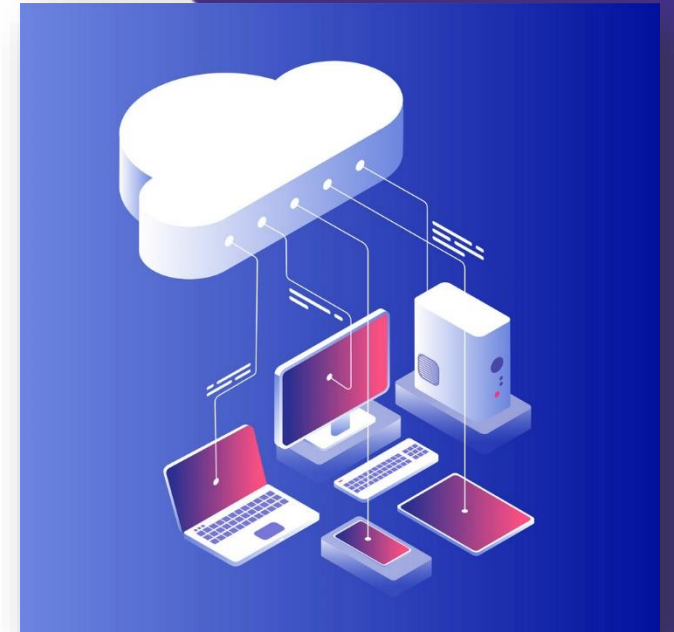
- Cloud Computing and Virtualisation
- AWS Cloud
- AWS Platform Architecture
- AWS Reliability and Compliance
- Working with AWS



Module 2

Amazon Elastic Compute Cloud and Elastic Block Store

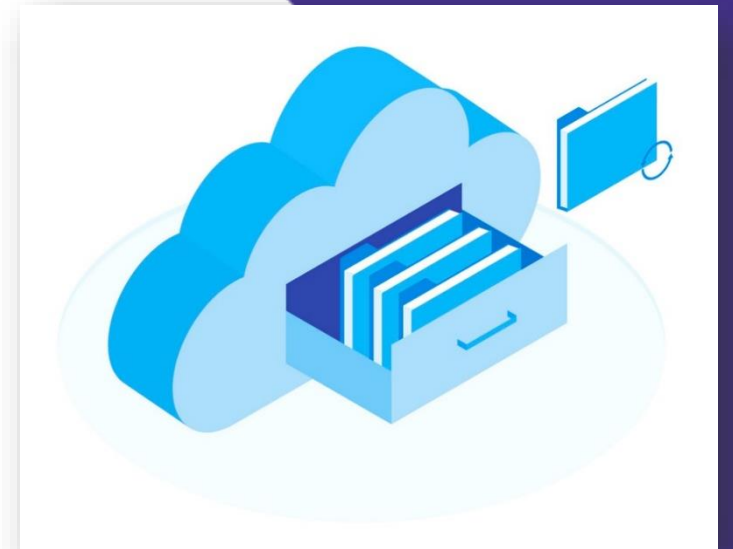
- EC2 Instances
- EC2 Storage Volumes
- Accessing and Securing EC2 Instances
- EC2 Auto Scaling
- AWS Systems Manager



Module 3

AWS Storage

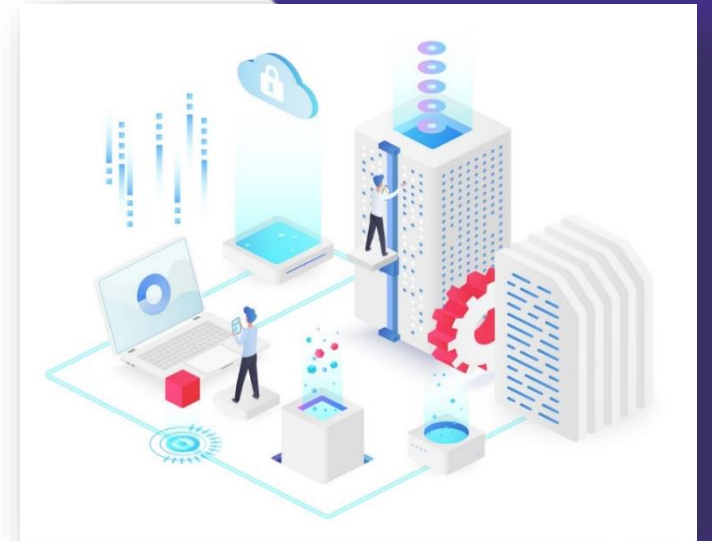
- S3 Service Architecture
- S3 Durability and Availability
- S3 Object Lifecycle
- Accessing S3 Objects
- Amazon S3 Objects
- Amazon S3 Glacier



Module 4

Amazon Virtual Private Cloud and Database Services

- VPC CIDR Blocks
- Subnets and Elastic Network Interfaces
- Internet Gateways and Route Tables
- Security Groups and Network Access Control Lists
- Public and Elastic IP Addresses
- AWS Global Accelerator
- Network Address Translation Devices
- VPC Peering and Hybrid Cloud Networking
- High-Performance Computing
- Relational Database and Amazon Redshift
- Nonrelational (NoSQL) Databases and DynamoDB



Module 5

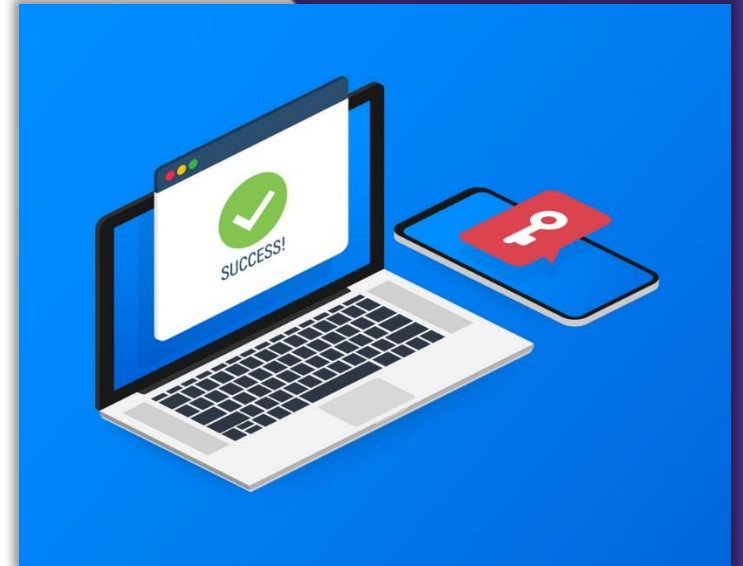
Authentication and Authorisation

- IAM Identities
- Authentication Tools

Module 6

CloudTrail, AWS Config, and CloudWatch

- CloudTrail
- CloudWatch
- AWS Config



Module 7

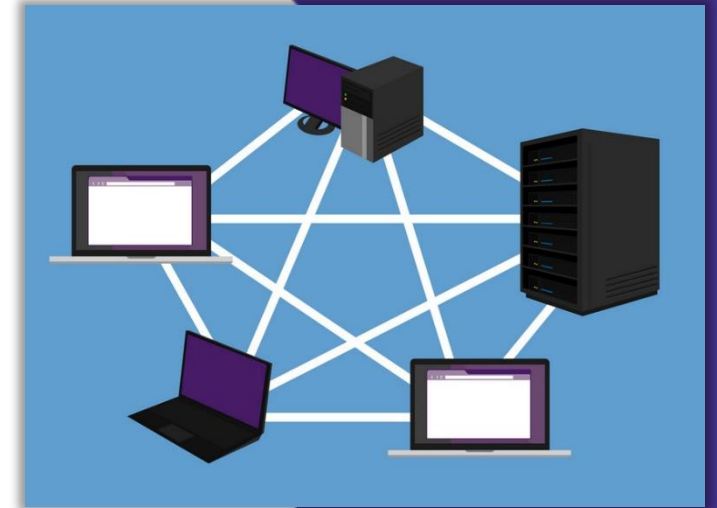
Domain Name System and Network Routing

- Domain Name System
- Amazon Route 53
- Amazon CloudFront

Module 8

Simple Queue Services and Kinesis

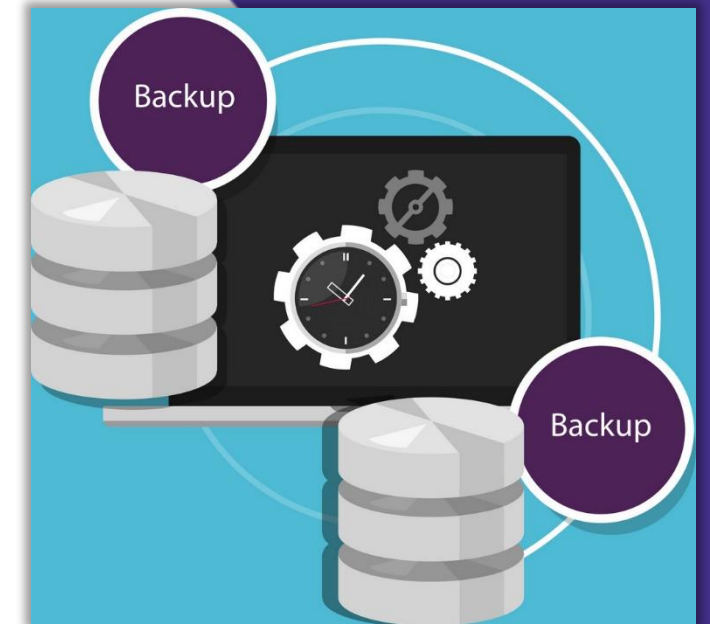
- Simple Queue Service
- Kinesis



Module 9

Reliability Pillar

- Calculating Availability
- EC2 Auto Scaling
- Data Backup and Recovery
- Creating Resilient Network
- Designing for Availability



Module 10

Performance Efficiency Pillar

- Optimising Performance for the Core AWS Services
- Infrastructure Automation
- Reviewing and Optimising Infrastructure Configurations
- Optimising Data Operations

Module 11

Security Pillar

- Identity and Access Management
- Detective Controls and Protecting Network Boundaries
- Data Encryption



Module 12

Cost Optimisation Pillar

- Planning, Tracking, and Controlling Costs
- Cost-Optimising Compute



Module 13

Operational Excellence

- CloudFormation
- CodeCommit
- CodeDeploy
- CodePipeline
- AWS Systems Manager
- AWS Landing Zone



Our Delivery Methods



POPULAR

Online Instructor-led

Join a scheduled class with a live instructor and other delegates. Ask questions, share documents, interact with whiteboards, ask live questions and communicate with your trainer and peers. Access the best pool of trainers, wherever you are.



POPULAR

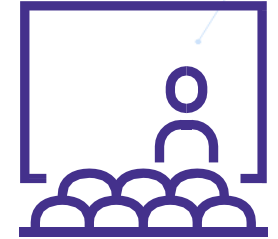
Online Self-paced

Learn at your own pace. Our expert trainers are on hand to help you with anything. All of our courses come with a standard 90 days access which can be upgraded if need be.. Our e-learning platform is available on all devices.



In-house

Our courses can be adapted to meet your individual project or business requirements. In-house training gives your team a great opportunity to come together, bond and discuss, which may be limited in a standard classroom setting.



Classroom

Some of our courses are available in our classrooms. All of our trainers are highly qualified, having 10+ years of experience. We use the highest quality learning facilities to make sure your experience is as comfortable as possible.

Have Questions for Us?

We are a leading training provider of highly-demanded learning programmes, and we always look forward to guiding learners in the right direction. If you have questions or need assistance while booking your training, you can access our 24/7 support using our email address and phone numbers. Our specialised learning advisors will get in touch and help you with your queries and needs by providing the correct information and guidance.

