



AWS Solution Associate Architect

About Cognixia

Cognixia- A Digital Workforce Solutions Company is dedicated to delivering exceptional trainings and certifications in digital technologies. Founded in 2014, we provide interactive, customized training courses to individuals and organizations alike, and have served more than 130,000 professionals across 45 countries worldwide.

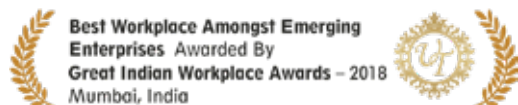
Our team of more than 7000 industry experts facilitate more than 450 comprehensive digital technologies courses, along with state-of-the-art infrastructure, to deliver the best learning experience for everyone. Our comprehensive series of instructor-led online trainings, classroom trainings and on-demand self-paced online trainings cover a wide array of specialty areas, including all of the following:

- IoT
- Big Data
- Cloud Computing
- Cyber Security
- Machine Learning
- AI & Deep Learning
- Blockchain Technologies
- DevOps

Cognixia is ranked amongst the top five emerging technologies training companies by various prestigious bodies. We're also RedHat Enterprise Partner, Microsoft Silver Learning Partner and an authorized training partner for ITIL, Automation Anywhere and ISC2.



OUR AWARDS & AFFILIATIONS



SOME FORMIDABLE NAMES AS OUR TRAINING PARTNERS



THE WORLD OF CLOUD COMPUTING & AWS

Cloud computing enables a user to focus on their projects and customers, without worrying about infrastructure concerns. It not only saves time, money, and effort but also allows users to concentrate on the differentiating aspects of their business.

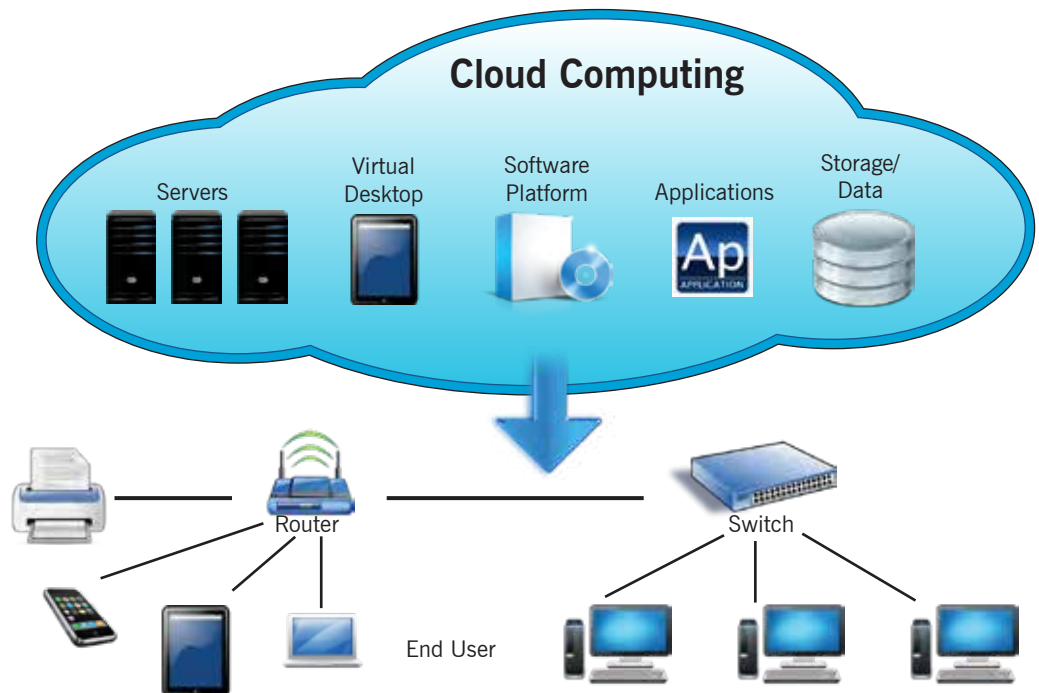
Netflix, Expedia, Spotify, and Ubisoft are some of the top companies that utilize AWS. In fact, AWS holds about 41.5 percent of all installed application workloads. Its market share, in 2017, was about 47 percent with a whopping Q4 revenue of \$3.66 billion.

AWS offers every benefit that one expects from cloud. It is considerably superior to other cloud service providers in the market in many aspects such as data availability and high transfer stability.

Cognixia's Cloud Computing with AWS course begins by discussing the basics of AWS and Cloud Computing, then moves on to discussing intermediary level concepts such as service Models (IaaS, PaaS, SaaS) and Amazon Virtual Private Cloud (VPC) and ends with diving deep into the particular elements of the AWS platform in detail.

As part of the course participants get a chance to explore VPC, Route53, IAM, EC2, S3, Cloud Front, Autoscaling, Load Balancing, RDS, RedShift, CloudWatch, CloudFormation, Elastic Beanstalk, CloudTrail, Trusted Advisor, SQS, SWF, Lambda, SNS, DynamoDB, Glacier, EFS, Elastic Transcoder, Kinesis, Direct Connect, Snowmobile and API Gateway.

The course encompasses hands-on exercises and real-time use cases to ensure that participants develop a thorough practical understanding of the concepts.



WHO SHOULD STUDY CLOUD COMPUTING WITH AWS?

This course is specifically designed for tech savvy professionals with a keen interest in the subject, who aim to pursue a career in cloud computing or are looking to develop cloud-based applications using AWS. This course is also recommended for individuals looking to gain exposure to cloud computing and AWS. Pursuing the course would help learners get a better understanding of the AWS offerings and assist them in preparing for the examinations to get an AWS certification.

ELIGIBILITY / PRE-REQUISITES

An understanding of Linux would be beneficial, though, not mandatory



TRENDS IN THE AWS CLOUD COMPUTING + INDUSTRY VIEWS

“The demand for hybrid cloud has been gaining popularity, particularly among midsize enterprises, including manufacturing companies, regardless of their expensive nature.” Technavio

“The public cloud services market will grow rapidly to \$236 Billion in 2020” Forrester

“Cloud-based security services will be worth \$9 billion in 2020” Gartner

“Cloud computing is projected to increase from \$67B in 2015 to \$162B in 2020 attaining a compound annual growth rate (CAGR) of 19%” Forbes

“By 2020, a corporate ‘no-cloud’ policy will be as rare as a ‘no-internet’ policy is today” Gartner



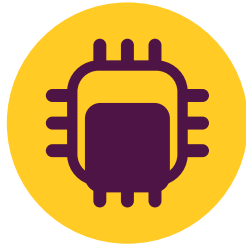
PROGRAM STRUCTURE



36 hours live online training with an Industry Expert Instructor



POC support and multiple assignments to gain thorough understanding



Training within Amazon Webserver Ecosystem



AMAZON WEB SERVERS



Amazon EC2



Amazon Elastic Block Storage



Amazon Aurora



Amazon EFS



AWS Lambda

COURSE HIGHLIGHTS

1. Globally recognized & experienced instructors
2. Training ensures every learner has a thorough understanding of subject matter
3. Program includes 100% hands-on lab training with exposure to real AWS environment
4. Preparation assistance for the AWS Solution Architect (Associate) examination



DETAILED CURRICULUM : MODULES

Module 1: Architecting Fundamentals

- AWS services
- AWS infrastructure
- AWS Well-Architected Framework
- Demo

Module 2: Compute

- Compute services
- EC2 instances
- Storage for EC2 instances
- Amazon EC2 pricing options
- Demo
- Hands-On Lab

Module 3: Networking 1

- IP addressing
- VPC fundamentals
- VPC traffic security
- Demo
- Hands-On Lab

DETAILED CURRICULUM : MODULES

Module 4: Automation

- AWS CloudFormation
- Infrastructure management
- Demo
- Hands-On Lab

Module 5: Storage

- Storage services

Storage (Cont.)

- Amazon S3
- Shared file systems
- Data migration tools
- Demo
- Hands-On Lab

Module 6: Account Security

- Principals and identities
- Security policies
- Managing multiple accounts
- Demo
- Hands-On Lab

DETAILED CURRICULUM : MODULES

Module 7: Networking 2

- VPC endpoints
- VPC peering
- Hybrid networking
- AWS Transit Gateway
- Demo
- Hands-On Lab

Module 8: Database Services

- Database services
- Amazon RDS
- Amazon DynamoDB
- Database caching
- Database migration tools
- Demo
- Hands-On Lab

Module 9: Monitoring and Scaling

- Monitoring
- Alarms and events
- Load balancing
- Auto scaling
- Demo
- Hands-On Lab

Module 10: Containers

- Microservices
- Containers
- Container services
- Demo
- Hands-On Lab

DETAILED CURRICULUM : MODULES

Module 11: Serverless

- What is serverless?
- AWS Lambda

Serverless (cont.)

- What is serverless?
- AWS Lambda
- Amazon API Gateway
- Amazon SQS
- Amazon SNS
- Amazon Kinesis
- AWS Step Functions
- Demo
- Hands-On Lab

Module 12: Edge Services

- Edge fundamentals
- Amazon Route 53
- Amazon CloudFront
- DDoS protection
- AWS Outposts
- Demo
- Hands-On Lab

Module 13: Backup and Recovery

- Disaster planning
- AWS Backup
- Recovery strategies

COGNIXIA's KEY DIFFERENTIATORS



LIFETIME LMS ACCESS



24 x 7 SUPPORT



REAL-LIFE PROJECTS & CASE STUDIES



INDUSTRY EXPERTS AS TRAINERS



INDUSTRY STANDARD CERTIFICATE



EXIT PROFILE

AWS CLOUD SOLUTION ARCHITECT

AWS CLOUD OPERATION ENGINEER

AWS CLOUD ADMINISTRATOR



TESTIMONIALS

“**KRUNAL KOSHTI, JAIPUR, INDIA**

“I enrolled for AWS Cloud Computing training with Cognixia, It was great experience for me.”

“**SHRUTI SINHA, MUMBAI, INDIA**

“Hi, I underwent the training in cloud computing & AWS by Cognixia. The training was really very good and the instructors were very knowledgeable. ”

“**TRISHANT SHETTY, CHENNAI, INDIA**

“The training by Cognixia helped me grow my career. They had the best training facilities and a great training team who helped me with all my queries”

“**DEMI SHANNON, EDINBURGH, UK**

“I had always been inquisitive to learn cloud computing, and Cognixia taught me everything I needed to know. They have amazing infrastructure facilities and a very amiable support team. ”

“**ANDREW SEBASTIAN, CALIFORNIA, USA**

“I came across the training offerings of Cognixia and got in touch with them. They guided me to take a leap ahead by learning emerging technologies. I chose to take up learning Cloud Computing and AWS. I was pleasantly surprised at how amazing the training was. After taking the training, I was able to grow significantly in my career and get an awesome pay hike too. Thanks to the Cognixia team for helping and guiding me.”

“**SARAH, NOVENA, SINGAPORE**

“It is the perfect time to get trained in cloud computing. Cognixia provided very well organized training sessions, and I even got the chance to review the sessions as many times as I needed to. Cognixia is indeed doing a brilliant job of helping people hone and enhance their skills. ”

Cloud Computing with AWS Training



To learn more visit
<https://www.cognixia.com/>