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

Top 10 IoT Training Institutes – 2016
Asian Training & Leadership Award, Dubai
Top 5 Emerging Technologies
Top 5 Cloud Training Institutions
Top 5 Big Data Training Institutes
Top 10 Training Institutes in India 2017
Best Workplace Amongst Emerging Enterprises Awarded by Great Indian Workplace Awards – 2018
Mumbai, India
Top 10 IoT Training Companies for the Second consecutive year.
Best Training Provider of the Year Awarded By The Golden Globe Tiger Awards – 2018
Kuldip Luntaw, Metoskie

Cognixia is awarded as Training Company of the Year, 2018
ISO 9001:2015 Certified Quality Management System
ISO 27001:2013 Certified Information Security Management System

World HRD Congress has awarded for Excellence in Training (Asia)
Best Emerging Technology Training Organization at the Middle East Training & Development Leadership Awards 2018

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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
"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
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

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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