Cognixia®

AWS Solution Architect - Professional

www.cognixia.com

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 ve Ā 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

Best Workplace Amongst Emerging Enterprises Awarded By **Great Indian Workplace Awards** – 2018 Mumbai, India

Best Training Provider of the Year Awarded By **The Golden Globe Tiger Awards** – 2018 Kuala Lampur, Malaysia

TOP 5 **Big Data** TRAINING INSTITUTES 2017 **siliconindia**

WORLD HRD CONGRESS

Cognixia is awarded as Training Company of the Year, 2018

Top 10 IoT Training Companies for the **Second consecutive year.** 2017 IoT India MAGAZINE

TOP 10 PROMISING IoT TRAINING INSTITUTES IN INDIA 2017 HIGHER EDUCATION Review

ASIA BEST EMPLOYER BRAND AWARDS 2016

World HRD Congress has awarded for Excellence in Training (Asia)

TOP 5 CLOUD TRAINING INSTITUTIONS INDIA 2016 HIGHER EDUCATION Review

Asian Training & Leadership Award, Dubai

siliconindia BEST TRAINING PROVIDER **BIG DATA** HADOOP DEVELOPER OF THE YEAR 2016

Top 10 IoT Training Institutes – 2016 Analytics India MAGAZINE

Best of Pages 2019 Top 10 Linkedin Best of Pages, 2019

ISO 9001 2015 CERTIFIED ISO 9001:2015 Certified Quality Management System

ISO ISO/IEC 27001:2013 ISO/IEC 27001:2013 Certified Information Security Management System

AUTHORIZED TRAINING PARTNERS FOR

(ISC)² OFFICIAL TRAINING PARTNER

AUTOMATION ANYWHERE

ITIL®

Silver **Microsoft Partner**

PMI®

Cloud Computing and AWS Market Outlook

The global cloud computing market size is expected to grow from $445.3B in 2021 to $947.3B by 2026 with a CAGR of 16.3%. AWS continues to be the market leader in the global IaaS and PaaS hyperscale vendor space with a predicted market share of 49% for 2022. AWS also leads the $180B global cloud infrastructure market with a 33% market share in Q4 2021.

Cognixia's AWS Solution Architect (Professional) training

The AWS Solution Architect (Professional) online training course discusses how to apply the AWS well-architected framework, manage multiple AWS accounts for enterprises, and connect on-premises data centers to the AWS cloud. It covers the billing implications of connecting multi-region VPCs and how to migrate data from on-premise data centers to AWS cloud as well as design datastores for AWS. The training then explores the different architectural designs for scaling websites and protecting their enterprise infrastructure from DDoS attacks while discussing how to secure AWS data with encryption and protect enterprise data at rest & in-flight. With this online AWS training, participants would be able to improve the performance of their cloud solutions and make the appropriate choice of AWS deployment mechanism based on the different requirements at hand.

Who should take this course?

The AWS solution Architect – Professional course is highly recommended for:

- Cloud architects
- Solution architects
- Professionals responsible for designing solutions for cloud infrastructure

Prerequisites

To be eligible for this AWS training, one needs to have the following:

- Knowledge and experience working with core AWS services from the compute, storage networking, and AWS Identity and Access Management (IAM) categories

- Achieved the AWS Certified Solutions Architect – Associate certification or have equivalent knowledge

Experience working with AWS workloads would be beneficial.

Program Structure

- 32 hours of live online instructor-led training

- Industry experienced instructor

- 24x7 dedicated PoC support

- Multiple hands-on labs as recommended by Microsoft

Detailed Curriculum: Modules

Module 0: Architecting on AWS

- Building systems on AWS

- The well-architect framework

Module 1: AWS account management

- Multiple accounts

- Multi-account patterns

- License management

- Managing security with multiple accounts

- AWS Directory Service for authentication management

- Managing costs with multiple accounts

Module 2: Advanced network architectures

- Virtual Private Cloud design patterns review

- Achieving maximum network performance on Amazon EC2

- VPN connections over AWS

- AWS Direct Connect

- Building a global transit network on AWS

- AWS Transit Gateway

- Amazon Route 53 Resolver

Module 3: Deployment management on AWS

- Application lifecycle management

- AWS Elastic Beanstalk for large-scale website deployment

- Deploying applications using containers

Module 4: Data

- Optimizing Amazon S3 storage

- Using Amazon ElastiCache to handle and store data at scale

- Moving data into AWS using AWS Snowball

- Using AWS storage gateway to back up an on-premises datastore

- AWS DataSync

- Migrating databases into AWS

- Designing for Big Data

- Amazon DynamoDB for Big Data

Module 5: Designing for large-scale applications

- Offloading web application traffic

- AWS Auto Scaling

- Blue-green deployments on AWS

Detailed Curriculum: Modules

Module 6: Building resilient architectures

- High availability using SQL Server on AWS

- Handling scaling constraints

- AWS Global Accelerator

Module 7: Encryption and security of data

- Protecting data at rest
- Protecting data in transit

Cognixia USPs

LIFETIME LMS ACCESS

24 x 7 SUPPORT

REAL-LIFE PROJECTS & CASE STUDIES

INDUSTRY EXPERTS AS TRAINERS

INDUSTRY STANDARD CERTIFICATE

POTENTIAL CAREER OPTIONS

Sr. cloud architects

Sr. solution architects

Cloud architecture managers

Cloud infrastructure managers

Cloud migration team leaders

AWS Solution Architect - Professional