APPONIX academy
SINCE 2013

ISO 9001
INTERNATIONALLY
ACCREDITED

AWS Solution Architect

"ARCHITECT THE CLOUD, BUILD THE FUTURE WITH AWS SOLUTION ARCHITECT"

SYLLABUS

Version: 1.0

APPONIX™ academy
SINCE 2013

About Apponix Academy

+ Apponix Academy is a leading training institute offering both online and offline courses in trending technologies like Cloud Computing, DevOps, Cyber Security, Full Stack Development, Data Science, Digital Marketing, and more.
+ Established in 2013, Apponix has trained over 50,000 students across India and abroad, helping them build successful careers in the tech industry.
+ With centers in Bangalore, Pune, Mumbai, Hubli, Aurangabad, Tumkur, Trichy, Gwalior, Ranchi, and more, Apponix continues to expand rapidly across the country.
+ All our courses are designed to be job-oriented, practical, and aligned with real-world industry requirements.
+ Our training is delivered by 100+ highly experienced corporate trainers who are experts in their respective fields.
+ We offer flexible learning options, allowing students to choose between classroom sessions and live online classes.
+ Apponix is ISO certified and provides globally recognized certifications from AWS, Microsoft, and Google.
+ Over 3,000+ Apponix alumni are successfully placed in top MNCs with salaries above ₹15 LPA.
+ Our focus is on 100% hands-on learning, project-based assignments, and real-time case studies.
+ We provide complete career support including resume building, interview preparation, and placement assistance.
+ With a strong presence and proven track record, Apponix Academy continues to be a trusted name in professional IT training.

COURSE KEY FEATUERS

- Guaranteed Interviews
- Designated Placement Advisor
- Assured Job Placement
- Interview Grooming Sessions
- Classroom & Online Training
- Mock interview sessions
- Delivered by Industry Experts
- Aws certification Assistance
- Professional Resume building session
- Industry Relevant Syllabus

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IABAC Authorized Partner

JAINx University Partner

ISO Certified

VMWARE Authorized Partner

Most Promising Training Institute

MSME Certified

Sample Certificate

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Certificate of Achievement

This is to certify that

◀ **ANIL BAKALE** ▶

has successfully completed

LINUX, AWS & DEVOPS

Training Program on

25 MARCH, 2025

Certificate ID : APXCCLAD252501003

MANAGING DIRECTOR

The Certificate ID can be verified at www.apponix.com/verify-certificate to check the authenticity of this certificate

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AWS TRAINING

Course Content for AWS Cloud Training

Amazon Web Services-Essentials

- Course Objectives:
- Recognize terminology and concepts as they relate to the AWS platform
- NavigatetheAWSManagementConsoleUnderstandthesecuritymeasuresAWSprovides
- DifferentiateAWSStorageoptionsandcreateanAmazonSimpleStorageService(S3)bucket
- Recognize AWS Compute and Networking options and use Amazon Elastic Compute
- Cloud(EC2)and Amazon Elastic BlockStorage(EBS)
- Identify Deployment and Management options
- Load balance and Auto-Scale with EC2
- Use EC2APIs
- Debug AWS EC2instance

Why Choose Apponix for AWS Cloud Training?

- Apponix has excellent qualified AWS Trainers
- 100%student satisfaction rate, we will continue that in future.
- 5000+satisfiedstudentsoveralltillnow.
- Excellent Lab facility for AWS Training
- There are no hard & fast rules for timings.
- Allourtrainersaremin7+yearsofAWScloudexperience.

1: Introduction to AWS

- Navigate the AWS Management Console
- Recognise AWS Global Infrastructure
- Describe the security measures AWS provides
- Create an Amazon EC2instance
- Remotely connecting to an EC2instance
- Setting up Amazon Linux and Apachewebserver
- Browsing Amazon Machine Images(AMI)
- Specifying security groups and key pairs
- Creating new images off of running instances

2: AWS Storage

- Identify key AWS storage options
- Describe Amazon EBS
- Use Amazon EBS with AmazonEC2
- Working with Volumes and snapshots
- Transmitting data in/out of the Amazon cloud

3: Installing Software in your Amazon Instance

- Implementing a Web server in an Amazon Linux/Windows Instance
- Configure the firewall to access a Webserver

4: Security in Public Cloud

- Security issues in PublicCloud
- Securing the Access : Creating a RSA Public/Private Key forVMs
- Creating a software firewall
- Configuring firewall rules
- Securing the access with an Elastic IPs
- Managing users with Identity AccessManagement(IAM)

5.Alternate access

- Using EC2 Command Line APIs [from Windows/Linuxmachines]

6: Load-balancing with EC2 and Auto Scaling

- Creating and using LoadBalancers
- Distributing incoming traffic with elastic loadbalancing
- Dynamically adding and removing instances with AutoScaling

7: CloudWatch to be seen along with Auto Scaling

- Overview of Monitoring and SettingAlarms
- Visualising utilization metrics withCloudWatch
- Setting alarms to send and receivenotifications

8: Simple Notification Services [to be seen along with AutoScaling

- Using SNS to sendNotifications

9: Amazon S3 Basics

- CreatingBuckets
- CreatingFolders
- UploadingObjects
- Making ObjectsPublic
- CreatingBuckets
- Securing Bucket/Objectaccess
- Configuring a Bucket as StaticWebPage
- Controlling Life Cycle of a Bucket
- Accessing Amazon Buckets from Windows/Linuxdesktops/Servers

10: Virtual Private Cloud

Create a VPC [VPC with a Single PublicSubnet]
Create and attach an Internet gateway

- Create an Amazon VPCsubnet
- Set up routing in the VPC
- Set up a security group to control the inbound and out bound traffic
- Launch an instance into the subnet
- VPC console to allocate an Elastic IP address and assign it to theinstance
- Amazon EC2 console to terminate your instance and the Amazon VPC console to
- delete your VPC

11: AWS-RDS

- Overview of AWS RDS
- Launching a MySQL Database in RDS
- Creating Backups/Snapshots and Read Only DBs
- Connecting to RDS-DB using local DB-Clients
- Terminating a DB instance

12: AWS-IAM

- Creating Groups and Defining access policy
- Creating Users
- Login to AWS account using new users

13: Installing Software in your Amazon Instance

- Implementing a Web server in an Amazon Linux/WindowsInstance
- Configure the firewall to access a Webserver

14: AWS-CloudFormation

- Introduction to CloudFormation
- Launching instances in EC2 usingTemplates

15: AWS-CloudFront

- Concepts ofAWS-CloudFront
- Host a Website withCloudFront

16: AWS-Route53

- Creating a Failover setup for Load Balancers running in different AWS regions[users
- need to have a registeredDomain]
- Health Check a private website

17.AWS-Cloud Trial

- Using CloudTrial to trail the APICalls

18 : Hosting Applications withElasticBeanstalk

- Improving application delivery with Platform as a Service(PaaS)
- Deploying scalable applications on the AWScloud
- Selecting and launching an application environment (sample application in PHPand
- MySQL)

19 :Dynamo DB

- Overview of AWS DynamoDB
- DynamoDB Tables and NamingConventions
- Data Types inDynamoDB
- DynamoDB CapacityUnits
- ConfiguringAlarms
- Tacking Backup andRestore

20 : Lambda Function

- Overview of AWS Lambda
- Creating a Lambda Function withNode.js
- Lambda Pricing & UploadingCode
- Connecting Lambda Functions to API GatewayEndpoints
- Accessing LambdaLogs
- Getting Started with Body MappingTemplates

22:Simple QueueService

- Overview ofSQS
- Create Standardqueue
- Create FIFOqueue
- With Timer or Delay to a Standardqueue

23: End user Computing, Organization setup and Resource Sharingwith (SSO)

- Directory services (Launching Aws managed AD)
- SSO integration with AD users
- Work Email
- Work docks
- Workspaces
- Aws management SSO login

24 : AWS System Manager

- Run command
- Content De-duplication
- Delete the queue

25 : Compute

- 2 and 3 tier web architecture running in EC2 (windows andLinux)
- Multiple Child application Running in EC2 (windows and Linux)
- Light sail implementation
- ECS and ECR launching Docker images
- Understanding of launching On Demand Instances, Reserved, spot, Dedicated Hosts and Dedicated Instance.

26 : AWS-Automation with Python Boto3module

- Complete In Depth understanding and implantation AWS-Automation by usingBoto3 Module
- Launching EC2 and Entire VPC creation by using Python code.
- Creation S3 Buckets by writing python boto3module
- Creating IAM users and Roles and Polices by using Python boto3module

27: Security, Identity and Compliance Management

- Securing the web application by using the WAF
- AWS Inspector
- AWS security Manager (SSL/TLS Certificates)
- AWS Shield
- AWS Artifact
- AWS Key Management Service
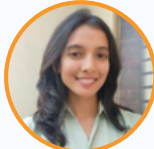- Compliance
- Patch Manager

28 : AWS Cost Management

- AWS Cost Explorer
- AWS Budgets
- AWS Market place Subscriptions

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OUR RECENT PLACEMENTS

MR. SRUSTIK GOWDA
GE HEALTHCARE
DEVOPS ENGINEER

MS. DHANASHRI
IZMO LIMITED
CLOUD ENGINEER

Mr. Yogesh
Nextgen
Cloud Engineer

MR. VIVEK ANGADI
INTEGRA MICRO SYSTEMS PVT LTD
LINUX SUPPORT ENGINEER

MR. CHETAN SASTRY
AHANA SYSTEMS
AWS DATA ANALYTICS

MS. MEGHA KRISHNA
TTG TECH SOLUTIONS PVT LTD
NETWORK CLOUD ENGINEER

Mr. Anup C Batakurki
SECURONIX
CLOUD SUPPORT ANALYST

Mr. Ranjith Sheelvanth
AATMANI SOLUTIONS PVT LTD
DEVOPS ENGINEER

MS. ROHINI S
TECHNICOLOUR INDIA LIMITED
CLOUD SECURITY ENGINEER

Ms. Tejas Patil
NETZARY INFODYNAMICS
LINUX ENGINEER

MR. MOHAMMED KALEEM
MINDTREE
SENIOR AZURE ENGINEER

Ms. Sunil Basavaraj
INTEGRA MICRO SUSTEMS PVT LTD
LINUX SUPPORT ENGINEER

OUR ALUMNI WORKING IN

Deloitte.   Reliance Industries Limited   CAPMARK   accenture

SYSTECH IT SOLUTIONS   ORNNOVA Origin Of Innovation   GENESIS   Infosys

aptean   Microsoft   Honeywell   DELL

KERRY   hp   rupeek   IBM

NTT DATA Trusted Global Innovator   RWS   </SOURCEFUSE>   practo

Consilio   twilio   POLARIS live your dream   brillio

cadence   Qualcomm   ITC INFOTECH Business-friendly Solutions   DXC.technology

SYNOPSYS   osbIndia   wipro   Capgemini