QuickXpert Infotech

ISO 9001:2015 Certified

Amazon AWS
Cloud Computing Course

About QuickXpert Infotech

QuickXpert Infotech provides professional training on some of the most updated, industry-designed certification & job-oriented training programs to both students & corporate from experts in classroom & online training format. Our wide range of courses blended by our placement process have helped students from both IT & non-IT fields to make career in IT Industry!

➢ **IT Courses - 1000+ Companies - 1000s Trained – Since 2014!**

Courses Offered – JAVA, Dot Net, Software Testing, Web Development, Oracle Developer & DBA, MySQL, SQL Server, Digital Marketing, Python, Data Science & A.I., Data Analytics, Tableau, Power BI, R Programming, Hadoop, Android, Flutter, Salesforce, ServiceNow etc. please visit website for details.

Our Live Projects – Marriageonix.com, BiodataKing, CRM Support etc.

About The Course

What is Cloud Computing? Normally big companies have multiple projects. So they need different servers for different projects. So basically cloud computing reduces this infra cost of company with providing them single large server and pay per use policy. Means company have to pay only for that much amount for how much they have used server bandwidth and processing speed. Best thing when not in use then charages are bare minimal and if more processing speed is required then the cloud servers can be increased or reduced to meet the project requirements. So company don't need to invest in different infra and can use same infra and scale them as per their requirements.

Why AWS? - AWS is #1 cloud computing infrastructure provider hence it provides huge job opportunities!

Who Can Learn?

Fresher / Experienced candidates from Any Background looking to Make their Career in Lucrative Cloud Computing Industry as No programming involved. No pre-requisites. We will teach you from Scratch.

Duration

3 to 4 months (around 70 hours)

Learn 25+ modules + Live Project

Syllabus

❖ Introduction to Cloud and AWS

- Why Cloud?
- Introduction to AWS
- Why AWS?
- AWS Account creation
- Global Infrastructure of AWS
- What is Regions in AWS?
- What is Availability Zones in AWS?

❖ EC2

- Types of Operating systems
- Overview of Unix & Linux
- EBS
- Object and Block stores
- Launching Windows Server
- Launching Linux Server
- Launching Web Server (Apache)
- Key pairs
- Putty Tool & MobaXterm
- Load Balancer
- Autoscaling
- AMI's & Snapshots

❖ S3

- Object Storage
- Static website hosting
- Lifecycle Management
- S3 Versioning
- S3 Permissions
- Access Control list
- S3 Storage Classes
- Edge Locations/ End Points
- Transfer Acceleration
- Cross Region Replication

❖ IAM

- Introduction IAM
- Components of IAM
- IAM Policies
- IAM Roles
- Root Access Keys
- Password Rotation Policy
- GUI & CLI Access
- MFA's
- Billing Alarms
- Best Practices

❖ CLI

- Introduction tAWS CLI
- Why AWS CLI?
- Accessing AWS through CLI
- AWS CLI Package Installation
- Access Keys & Secret Keys
- Launching EC2 instance through CLI
- Creating S3 buckets through CLI
- Managing IAM users through CLI
- Managing IAM groups through CLI
- Managing IAM roles through CLI

❖ Networking Basics

- Introduction to Networking
- Network Components
- Network Topology
- Network Media
- Network Interface Card
- TCP Vs UDP
- IP Address
- CIDR
- Classes of IP Address
- Reserved IP Address

❖ VPC

- Introduction to VPC
- Why VPC?
- Subnets
- Private Subnet & Public Subnet
- Private IP & Public IP
- Internet Gateway
- NAT Gateway
- Root Tables
- Creating Webserver
- Creating Database Server
- NACL
- VPC Peering
- VPC Flow logs

❖ Route 53

- Introduction to Route 53
- What is DNS?
- Buying Domain
- Health Checks
- Alarms & Notifications
- Routing Policies

❖ RDS

- Introduction to Database
- Introduction to RDS
- SQL & NoSQL
- Data Warehousing
- AWS Supported Databases
- Creating RDS
- RDS Backups
- Automated Backups
- Snapshots & Transaction logs
- Multi AZ
- Read Replicas
- Copy/ Migrate Snapshots

❖ Dynamo DB

- Introduction to DynamoDB
- What is NoSQL?
- Connect Webserver & DB Server
- Using IAM role in DynamDB
- Injecting Data in DynamDB

❖ Redshift

- Introduction to Redshift
- Data Warehousing
- OLTP
- OLAP
- Redshift Configuration
- MP

❖ Elasticache

- Introduction to Elasticache
- Types of Elasticache
- Mem Cached
- Redis
- Database Summary

❖ EFS

- Introduction to EFS
- Why EFS?
- Shared Storage
- EFS Architecture
- Creating EFS
- EFS Mount Point
- Testing EFS

❖ SNS

- Introduction to SNS
- Why SNS?
- Notifications
- Subscribers
- Subscriptions
- Integration with Autoscaling
- Integration with Route53

❖ SQS

- Introduction to SQS
- Why SQS?
- SQS Workflow
- Queue types
- Standard Queue
- FIFO Queue
- Decoupling mechanism
- Visibility Timeout
- SQS Long Polling

❖ SES

- Introduction to SES
- Why SES?
- SNS Vs SES
- Summary

❖ Cloud Formation

- Introduction to Cloud Formation
- What is IAC?
- Cloud Formation Template
- Cloud Formation Stack
- Sample Cloud Formation stack
- Supported languages
- Clean-up

❖ Elastic Beanstalk

- Introduction to Elastic Beanstalk
- Why Elastic Beanstalk?
- Supported Languages
- Clean-up

❖ Snow Family

- Introduction to Snow Family
- Why Snow Family?
- Data Migration Service
- Snow Ball
- Snow Ball Edge
- Snow Mobile

❖ Trusted Advisor

- Introduction to Trusted Advisor
- Why Trusted Advisor?
- Cost Optimization
- Performance
- Security
- Fault Tolerance
- Service limits

❖ Cloud Front

- What is CDN?
- Introduction to Cloud Front
- Why Cloud Front?
- Setting Cloud Front
- Edge Locations/ End Points
- Origin
- Distribution
- TTL

❖ Cloud Trail

- What is Cloud Trail?
- Why Cloud Trail?
- Auditing
- Cloud Trail Vs Cloud Watch
- Logs Verification

❖ Elastic Transcoder

- What is Elastic Transcoder?
- Why Elastic Transcoder?
- Summary

❖ White Papers

- What is White Papers?
- IAAS
- PAAS
- SAAS
- AWS Responsibility
- User Responsibility
- Scale-up & Scale-down
- Scale-in & Scale-out

❖ Live Project

- Creating entire VPC infrastructure
- from scratch
- Using SNS
- Using S3
- Using EFS
- Creating Launch Templates
- Creating Autoscaling groups
- Creating Webservers
- Creating Database Servers
- Attaching Load Balancers
- Creating DNS through Route 53
- Creating Route 53 with Failover Policy
- Attaching Route 53 to Autoscaling

❖ Final Module

- AWS Summary
- Daily Activities
- Errors
- Troubleshooting
- Interview FAQ's
- Resume Preparation
- Certifications
- Q&A Session

Our Benefits

- ❖ **Training from Experts**

- ❖ **Installments Available**

- ❖ **Job Oriented Course**

- ❖ **80% Practical's -** Learn from Scratch

- ❖ **Professional Notes & Study Material Provided**

- ❖ **Certification Course**
  - ◦ You will get Course Completion ISO Certificate from our Institute

- ❖ **Live Projects / Case Studies Covered**

- ❖ **Dedicated Placement Team**

- ❖ **Placements**
  - ◦ Dedicated HR Team for Placements, Overall 1000+ Companies for Placements, Check Recent Placed Students on Site / FB / Google Page
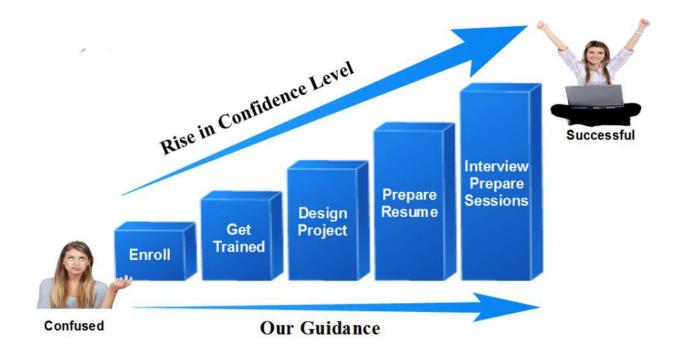
- ❖ **Personal Mentorship**
  - ◦ Limited Seats per batch for Personal Mentorship

- ❖ **Friendly Environment with Professional Grooming**

- ❖ **Interview Preparation & Mock Interviews**

- ❖ **Resume Building etc.**

  Please visit site for more info or reach us

Our 5 Steps Process for Success

Contact Us

Contact Info: +91-7506252588, +91-8452842233

Website: www.quickxpertinfotech.com

Inquire Now !

Chat Now   Email Us