Kapil IT Skill HUB
Your path to success

CORPORATE TRAINING
1ST IN HUB

Unlock the Power of the Cloud
Dive into AWS Excellence!

AWS CERTIFICATION TRAINING COURSE
FOR SOLUTIONS ARCHITECT

www.kapilitshub.com

AWS Demo Date   :

AWS Time   :

AWS Duration   :   Months

AWS Trainer   :

AWS Fee   :   Rs.

Our Expert Trainers

Hello! I'm Anil Kumar Having 15+ Years of Experience It's great to connect with you, and I'm here to help you on your journey into the world of DevOps . I'm excited to share my knowledge and **experience** with you as you on this . Throughout my career, I've had the pleasure of guiding numerous students, and it's always incredible to see them set out on their DevOps journeys.

● Training Highlights

➤ Providing individualized support and mentorship to expedite the learning process.

➤ A hands-on and comprehensive approach that ensures accessibility and empowers everyone to excel through practical learning and understanding.

➤ Curriculum crafted by industry experts and subject matter authorities, tailored to prepare students for the real-world demands of their chosen field

➤ Bringing invaluable insights and expertise to the classroom through guest lectures by prominent professionals from top multinational corporations (MNCs).

Program Pedagogy ●

Instructor-LED Training
Get Trained by top industry experts

1:1 Personalized Learning
Hands on exercises, project work, quizes & capstone projects

Projects and Exercises
Get real-world experience through projects

Hackthons
Get a sense of how real projects are built

● Key Highlights

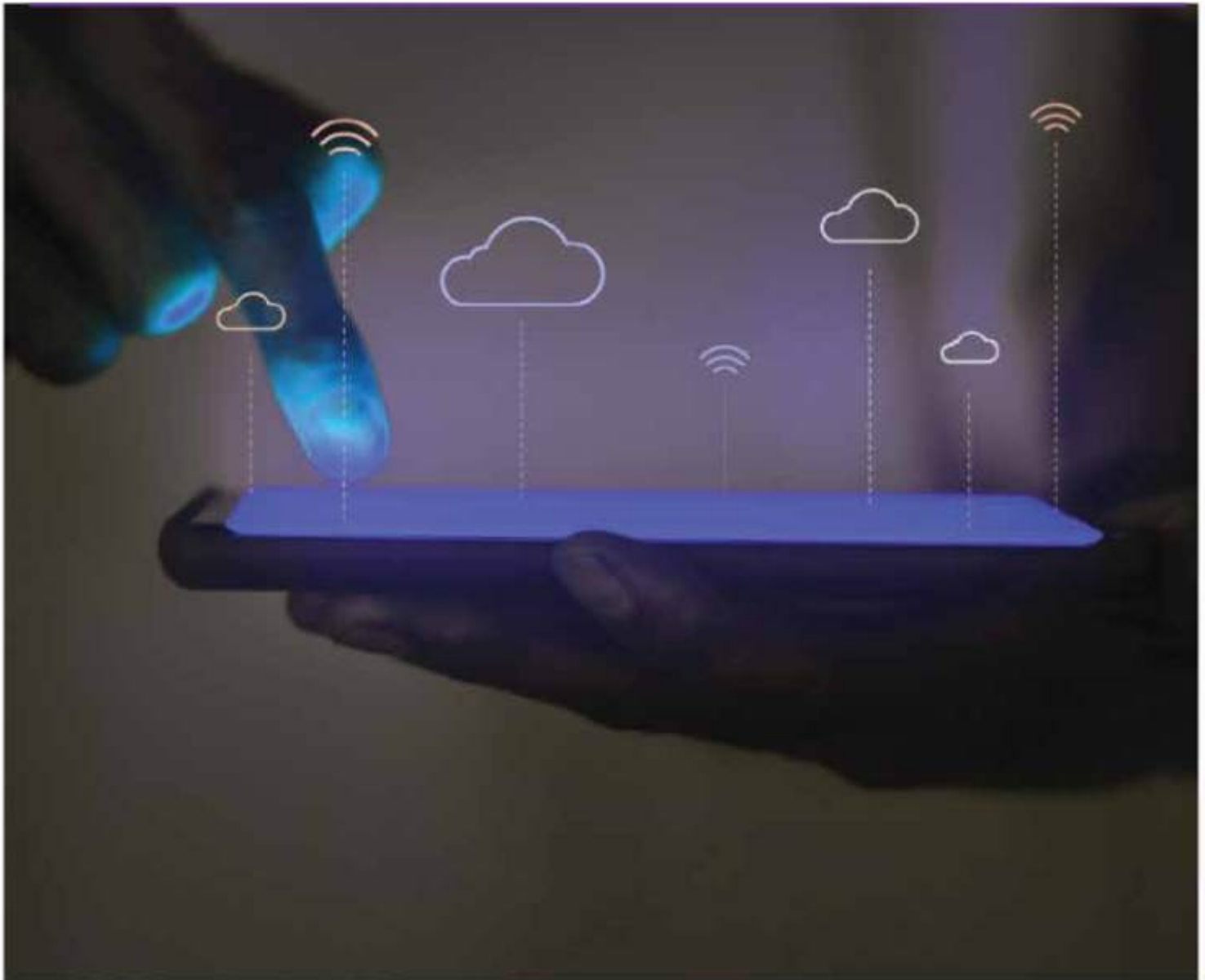|		
75 Hrs Instructor-Led Training	100% Job Assistance	Internship Opportunities
90 Days Free Lab access	Kapil IT Skill Certification	Corporate Training Environment

Hottest Job of 21st Century

1.8 Million Job Postings
There is a global estimate of 1.8 million job postings for AWS roles by 2022.

Growing AWS Industry
41% CAGR in the global AWS industry.

Popular Degree
41% of AWS professionals have a Master's degree

Skill Development
AWS professionals are equipped with various relevant skills, fetching lucrative job offers

Future oriented Career
AWS is a budding field;
a head start will prove to be beneficial

High Demand
By 2022, India and US will face a demand supply gap of 390,000 AWS professionals

Module 1

Introduction to Cloud Computing & AWS

- What is Cloud Computing
- Cloud Service & Deployment Models
- How AWS is the leader in the cloud domain
- Various cloud computing products offered by AWS
- Introduction to AWS S3, EC2, VPC, EBS, ELB, AMI
- AWS architecture and the AWS Management Console, virtualization in AWS (Xen hypervisor)
- What is auto-scaling
- AWS EC2 best practices and cost involved.

Module 2

Elastic Compute and Storage Volumes

- Introduction to EC2
- Regions & Availability Zones(AZs)
- Pre-EC2, EC2 instance types
- Comparing Public IP and Elastic IP
- Demonstrating how to launch an AWS EC2 instance
- Introduction to AMIs, Creating and Copying an AMI
- Introduction to EBS
- EBS volume types
- EBS Snapshots
- Introduction to EFS
- Instance tenancy- Reserved and Spot instances
- Pricing and Design Patterns.

Module 3

Load Balancing, Autoscaling and DNS

- Introduction to Elastic Load Balancer
- Types of ELB – Classic, Network and Application
- Load balancer architecture
- Cross-zone load balancing
- Introduction to Auto Scaling, vertical and horizontal scaling, the lifecycle of Auto Scaling
- Components of Auto Scaling, scaling options and policy, instance termination
- Using load balancer with Auto Scaling
- Pre-Route 53 – how DNS works
- Routing policy, Route 53 terminologies, Pricing.

Module 4

Virtual Private Cloud

- What is Amazon VPC

- VPC as a networking layer for EC2,
- IP address and CIDR notations,
- Components of VPC – network interfaces, route tables, internet gateway, NAT,
- Security in VPC – security groups and NACL, types of VPC, what is a subnet, VPC peering with scenarios, VPC endpoints, VPC pricing and design patterns.

Module 5

Storage – Simple Storage Service (S3)

- Introduction to AWS storage
- Pre-S3 – online cloud storage
- API, S3 consistency models
- Storage hierarchy, buckets in S3
- Objects in S3, metadata and storage classes, object versioning, object lifecycle management, cross-region replication, data encryption, connecting using VPC endpoint, S3 pricing.

Module 6

Databases and In-Memory DataStores

- What is a database, types of databases, databases on AWS
- Introduction to Amazon RDS
- Multi-AZ deployments, features of RDS
- Read replicas in RDS, reserved DB instances
- RDS pricing and design patterns
- Introduction to Amazon Aurora, benefits of Aurora, Aurora pricing and design patterns
- Introduction to DynamoDB, components of DynamoDB, DynamoDB pricing and design patterns
- What is Amazon Redshift, advantages of Redshift
- What is ElastiCache, why ElastiCache.

Module 7

Management and Application Services

- Introduction to CloudFormation
- CloudFormation components
- CloudFormation templates
- The concept of Infrastructure-as-a-code
- Functions and pseudo parameters
- Introduction to Simple Notification Service, how does SNS work
- Introduction to Simple Email Service, how does SES work
- Introduction to Simple Queue Service, how does SQS work.

Module 8

Access Management and Monitoring Services

- Pre-IAM, why access management
- Amazon Resource Name (ARN), IAM features
- Multi-factor authentication (MFA) in IAM, JSON
- IAM policies, IAM permissions, IAM roles, identity federation, pricing
- Introduction to CloudWatch, metrics and namespaces, CloudWatch architecture, dashboards in CW, CloudWatch alarms, CloudWatch logs, pricing and design patterns
- Introduction to CloudTrail, tracking API usage.

Module 9

Automation and Configuration management

- What is AWS Lambda
- How Lambda is different from EC2
- Benefits and limitations of Lambda
- How does Lambda work
- Use cases of Lambda, Lambda concepts
- Integration S3 with Lambda
- What is Elastic Beanstalk, how does Beanstalk work, Beanstalk concepts, Beanstalk pricing
- What is configuration management
- What is AWS OpsWorks, AWS OpsWorks benefits
- CloudFormation vs OpsWorks, services in OpsWorks, AWS OpsWorks Stacks, OpsWorks pricing.

Module 10

AWS Migration

- What is Cloud migration
- Why migration is important
- Migration process in AWS, the 6 R's migration strategy
- Virtual machine migration, migrating a local vm onto the AWS cloud
- Migrating databases using Database Migration Service (DMS)
- Migrating a local database to RDS
- Migrating an on-premises database server to RDS using DMS, other migration services.

Module 11

Amazon FSx and Global Accelerator

- What is FSx
- Types of FSx and FSx for Windows server
- How does FSx for Windows File Server work, FSx for Lustre
- Use cases of FSx
- Automatic failover process
- Supported clients and access methods
- What is a Global Accelerator, How Global Accelerator works, Listeners and Endpoints
- What are AWS Organizations, Features of AWS Organizations, Managing multiple accounts
- What are ENIs, ENAs and EFAs, Working with network interfaces
- Enhanced Networking with ENA, EFA with MPI, Monitoring an EFA

Module 12

AWS Architect Interview Questions

- Guidance for clearing the exam, most probable interview questions and other helpful tips for clearing the exam and interview.

Skill to Masters

- AWS EC2 & Elastic Beanstalk
- AWS RDS & DynamoDB
- ELB, Auto Scaling
- EBS Multi Attach
- Elastic Cache
- AWS Security Services
- Rout 53
- Amazon S3
- CloudWatch & IAM, MFA
- Global Accelerator
- AWS Global Infrastructure
- AWS Networking
- AWS Databases
- Service Manager
- System Manager
- AWS Lambda
- EBS, EFS, & FSx
- CloudFormation
- Cloud Sail
- Auto-scaling
- VPC Networking

SOFT SKILLS

Roots of Communication	LSRW 7 Cs of Communication	Mastering Helping Verb And Main Verb
Roots of Grammar	Parts of Speech Sentence Structure Development Tense Logic Worksheet Sessions	
Speech Intelligence	Vocabulary Development Usage of words Group Discussions JAMS Debates Public Speaking	
Personality Development	Imagination and Innovation Training Centralized Brain Storming Problem Solving Skill s Decision Making	
Mangement Skills	Time Management Team Building Task Management Leadership Skills	
Interview Skills	Employbility Think like a Professional Clearing HR Rounds Salary Negotiation Bond Negotiation	
Presentation Skills	Research Skills Public Speaking Visualization White Board Presentation Mastering Powerpoint Content Creation	Dream Company Reading Skillls Comprehension Skills
Personality Development	Mind Mapping Role plays Mock Interview on the Hot Seat Listening Skills Critical Thinking Thought Analysis SWOT Analysis	

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Kapil Kavuri HUB

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- World-Class Instructors
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- Inspired Trainers

Our Scheduled Programs

Step-1
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- Career Counselling
- Choose Trending Course
- Easy Payment Options

Course Completion
- Designed for Professionals
- Hands-on Learning
- Real Time Support

Step-2

Step-3
- Career Acceleration
- Personalized career coaching
- Mock Interviews
- 100% Job Assistance

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Mastering Soft Skills

- Employability Skills
- Communication Skills
- Job Readiness Skills
- Life Skills

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