



## Better and Smarter with AWS Cloud

Course Duration: **2 Months**

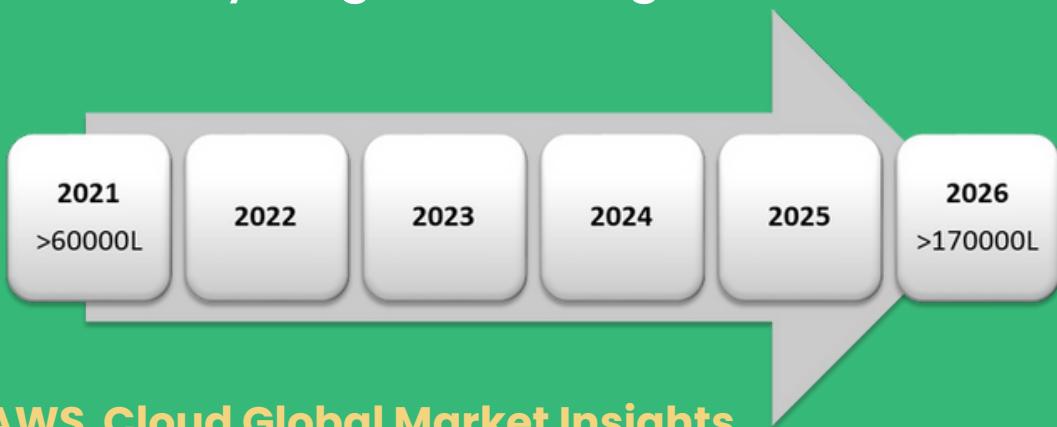
Real People  
Real Classrooms  
Real-time Projects

# The Future with AWS Cloud

## Why learn AWS Cloud?

- Provides high paying jobs.
- Fastens career growth.
- Mitigates software failures.
- Enables faster application releases.
- Keeps you at top.
- Transforms you into valuable assets.

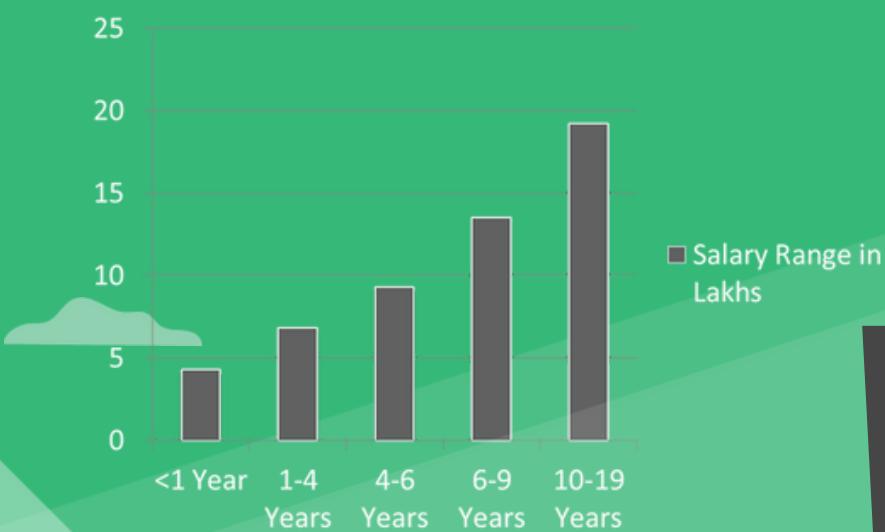
## What can you get learning AWS Cloud ?



### AWS Cloud Global Market Insights

Compound Annual Growth > 20%

## Highest Paying Global Career



# Why become a AWS Cloud Specialist?



## Can be learned by anyone

A fresher or someone with the basic Linux and Scripting knowledge can learn Cloud DevOps with an ease.



## Fancy salary packages

Professionals in Cloud Devops are paid fairly well everywhere.



## Easier access to jobs

The demand for Cloud DevOps engineers is higher but the supply is insufficient. So, getting a job soon after completing the course is pretty easier.



## Fast Career Growth

Up-scaling yourself is a necessity, especially nowadays when technology is evolving at a rapid pace.



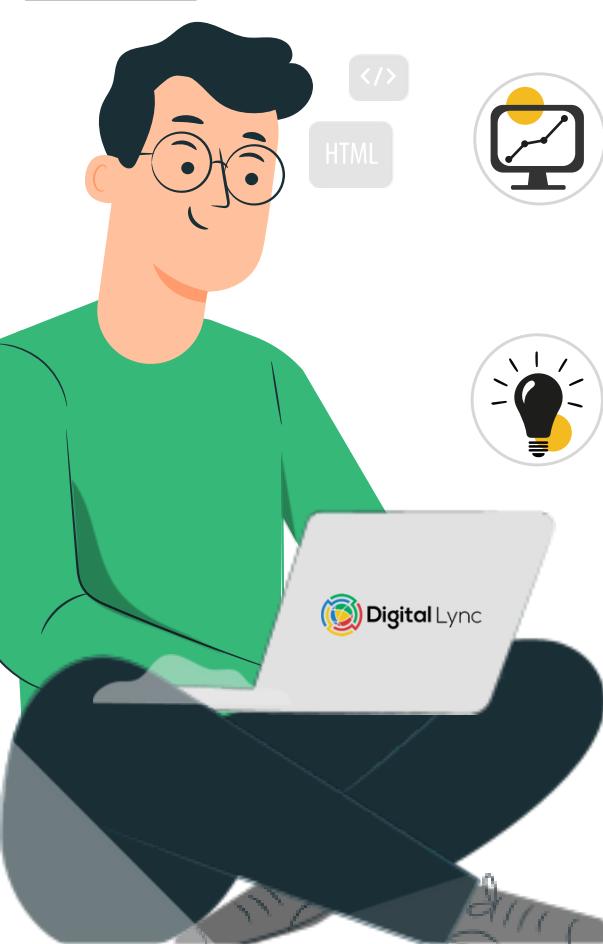
## Exposure To Various Trending Tools and Technologies

Cloud DevOps can expose people to several tools ranging from Jenkins, Kubernetes to Docker and Terraform.



## Become More Valuable To The Company

Most of the companies for cost optimisation purpose are looking for people with cutting-edge skills.



DON'T WORRY  
YOU ARE  
AT RIGHT  
PLACE

# Why choose **4ACHIEVERS ?**



## **Superior Infrastructure**

Take advantage of the chance to learn from top industry experts and faculties.



## **Personalised Curriculum**

Unlike understanding of a few topics in Cloud DevOps, our in-depth curriculum gives you end-to-end knowledge.



## **24/7 Mentor Support**

Live lectures or hangouts with subject-matter experts, discussion forums, and Q&A to answer your questions and reinforce learning are all available.



## **Access and Networking**

The expanded networks along with the support team provide you access to the world of full-fledged jobs.



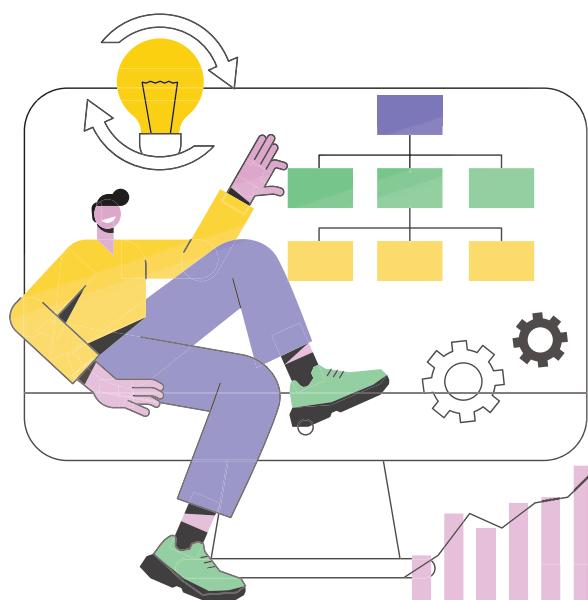
## **Multifaceted Development with Real-time Projects**

Exploration of case studies that give a real understanding of the challenges faced by renowned organisations in the tech space and can also be able to apply what they have learned during live lectures.



## **Job-Assistance and Resume Building.**

Providing assistance to prepare people for the job while grooming them personally and professionally. While we are at it, helping them build attractive resumes.



# Course Structure

## LIVE Classes

Attend LIVE sessions by industry experts.

## Teaching Assistance

Practical and interactive doubt clearing sessions, project sessions, etc.

## Real-time projects

First-hand experience through development and implementation of projects across different verticals.

## Relative Internships

Advanced internship that enhances networking and resource value.



# Course Curriculum

## Operating Systems and Basics of Linux



Introduction to  
Operating Systems



Linux

## AWS Essentials



Basics of  
AWS



AWS  
Networking



AWS  
Service  
Management



AWS  
Database  
Management



AWS  
Storage  
Management



AWS  
CLI  
Interface



AWS High  
Availability

# OS & Linux

## 1 Introduction to Operating Systems

- Introduction to Operating Systems
- Introduction to Linux OS
- Linux Distributions
- Linux Architecture

## 2 Basics of Linux

- Understanding Command Line Interface - CLI
- Understanding Linux File System
- Using Text Editor (vi)
- File & Directory Management
- Archive Files Using tar and zip utilities
- Package Management
- User Management
- File Permissions
- Service Management



# CURRICULUM - MODULE 02

# AWS Essentials

## 1 Fundamentals of AWS

- Fundamentals of Cloud Computing
- Cloud Providers – AWS vs AZURE vs GCP
- Define the benefits of the AWS cloud
- Security
- Reliability
- High availability
- Elasticity
- Scalability
- Pay-as-you go pricing
- Walk through AWS Free Tier Account
- AWS Management Console
- Cloud Offerings – IAAS vs PAAS vs SAAS
- SAAS – Software As A Service
- IAAS – Infrastructure As A Service
- PAAS – Platform As A Service

## 2 AWS Networking

- 
- 
- AWS Regions
  - AWS Availability Zones
  - Traditional Networking Components
  - Logical Data Centers
  - Understanding Requirements From Clients
  - Networking Basics – Protocol – Port – Firewall
  - Understanding Default VPC
  - Designing Custom VPC – Client Requirement
  - AWS Internet Gateway
  - VPC Subnetting
  - VPC Public Subnets
  - VPC Private Subnets
  - VPC Route Tables
  - VPC NACL's
  - VPC Security Groups
  - Advantages of using VPC
  - Accessing VPC with various techniques.

### 3 AWS Server Management

- Desktops vs Servers
- Amazon EC2 Components
- Amazon EC2 Instance Types
- Amazon Machine Images (AMI)
- EC2 IP Address Types Private vs Public vs Elastic
- Work with SSH Key Pairs
- SSH Softwares – GitBash & Putty & Terminal
- Deploying Web Applications On EC2 Instance

### 4 AWS Storage Management

- Amazon Elastic Block Storage – EBS
- EBS Volume Types
- EBS ROOT Volume
- EBS ADDITIONAL Volume
- Backups – SNAPSHOTS
- Custom Amazon Machine Images
- Amazon Elastic File System – EFS
- Provision EFS File System
- Configuring Firewalls For EFS Access
- Shared File Access across Multiple Availability Zones
- EBS vs EFS vs S3
- Amazon Simple Storage Service – S3
- Amazon S3 Web Hosting

### 5 AWS Database Management

- Database Concepts
- Databases & Tables
- Relational Database Service (RDS) – Features
- RDS Read Replica
- RDS Multi AZ Failover
- Create PAAS MySQL Database
- Setup Java Web Application – PAAS MySQL
- Create RDS Read Replicas – PAAS MySQL
- Create Multi AZ Failover For Production Setup

## 5 AWS Command Line Interface

- AWS CLI Features
- AWS CLI Configurations
- Understanding CLI Reference
- Install AWS CLI on CentOS
- Configure AWS CLI
- IAM Overview
- IAM Users
- IAM Policies
- Creating a Custom VPC Using AWS CLI

## 6 AWS Monitoring

- Simple Notification Service – SNS
- Monitoring – Cloudwatch
- Cloudwatch Dashboards
- Cloudwatch Alarms
- Configure Email For High CPU Usage
- Take EC2 Action Using – Cloud Watch

## 7 AWS High Availability

- Designing Highly Available VPC
- Introduction to Load Balancing
- Application Load Balancer
- Implementing Application Load Balancer
- Introduction to Scalability
- Launch Configurations
- Auto Scaling Groups
- Creating UpScale Policy
- Creating DownScale Policy
- Attach Load Balancer to Auto Scaling



# Real Time Projects

## Cricket Technology Platform - CricClubs

CricClubs is one of the leading cricket technology platforms which helps all the stakeholders of cricket. Once after the project is done, you will be equipped with extensive knowledge of automated deployment using CI/CD pipeline.

**DevOps Tools Used:** Github, Jenkins, Docker, Kubernetes, Maven, Terraform, Sonarqube, Nexus.

**Cloud Used:** AWS

**Author:** Ganesh Nallapareddy **Director:** Sai Kumar **Duration:** 8 Hours



## Learning Management System - LearnUva

LearnUva offers the best professional LMS made to cater to industry requirements. LMS is built with State of Art technology. The project contains multiple activities such as automating infrastructure deployment, configuring and implementing CI/CD pipeline, and designing monitoring solutions.

**DevOps Tools Used:** Azure DevOps, Docker, Kubernetes, Terraform, Sonarqube, Nexus.

**Cloud Used:** Azure

**Author:** Manikanta Kona **Director:** Bala Hanumanthu **Duration:** 8 Hours

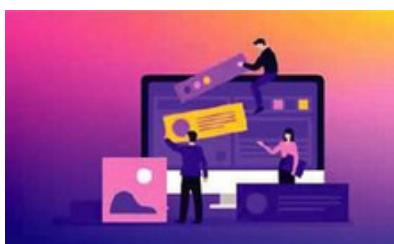
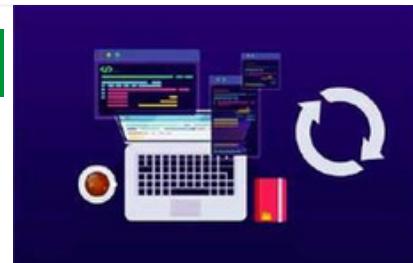
## Build and Deploy Salesforce Like CRM - Kona CRM

CRM stands for "customer relationship management" and it's software that stores customer contact information. Using tools like Terraform, guidelines will be set for naming conventions, service plan levels, deployment locations and code repos.

**DevOps Tools Used:** Github, Jenkins, Docker, Kubernetes, Maven, Terraform, Sonarqube, Nexus

**Cloud Used:** Azure

**Author:** Manikanta Kona **Director:** Manideep Moturi **Duration:** 8 Hours



## Raw Material Selling Platform - iDecr

iDecr is a one-stop platform that's designed to provide raw materials from all brands to shape up the interiors. This project can be deployed using Azure cloud and DevOps tools like Jenkins, Docker and Kubernetes.

**DevOps Tools Used:** Azure DevOps, Docker, Kubernetes, Terraform, Sonarqube, Nexus.

**Cloud Used:** AWS

**Author:** Manikanta Kona **Director:** Manideep Moturi **Duration:** 8 Hours

## Tools and Platforms

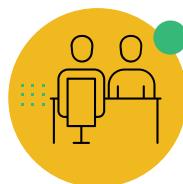


# Placement and Career Assistance



## Refine your CV

Before you attend an interview, an impressive CV can help you introduce yourself to the field. We offer industry professionals' critical criticism and help you build to ensure that your resume stands out.



## Access to our Job Portal

Here are some ways to boost your likelihood of obtaining an interview by with a potential employer three-fold.



## Professional Grooming

Mock interviews with industry experts is the key to preparedness for you to face the employers in the real world with confidence.



## Apply for job offers

You can secure a job after 3-6 months of enrollment with us through our hassle-free process.



## Pick what's best for you

Talk to our experts to identify the best-suited career opportunities for you.

# Program Details

## Course starts

Please refer to the website for program start dates

## Fee structure

Please refer to the website.

[Click Here](#)

<https://4achievers.co.in/landing/>

## Duration

45 Hours

## Program hours

100+ Learning Hours and additional Internship duration.

For admissions, contact

+91 80108 05667

[hr@4achievers.com](mailto:hr@4achievers.com)

  
WE BUILD PROFESSIONALS

