Digital Lync

Better and Smarter with AWS Cloud

Course Duration: 3 Months

- Real People
- Real Classrooms
- Real-time Projects

Manikanta Kona

CEO, Digital-Lync

He shares a belief that education goes beyond classrooms and certifications which is why he started Digital Lync to help people in developing distinctive skill sets.

He solidly believes that the future belongs to those who can think, access, configure and implement end to end technologies.

I have a burning desire to empower people and make them realize their potential. Living by this passion keeps me content everyday.

About
Digital Lync

- Digital Lync is the most credible organization where students can skill, upskill and reskill themselves.
- With 7 years of experience, we have upended the technical education system by emphasizing on disruptive technologies.
- We have trained over 25000+ students spanning across Cloud, DevOps, Full Stack and Salesforce.

- **Physical and Virtual Classrooms**
- **Real-time Labs and Assignments**
- **Live Projects with Industry Partners**
- **Job & Interview Assistance**
- **24/7 Support & Mentorship**
- **Immediate Internships & Placements**

www.digital-lync.com

The Future with AWS Cloud

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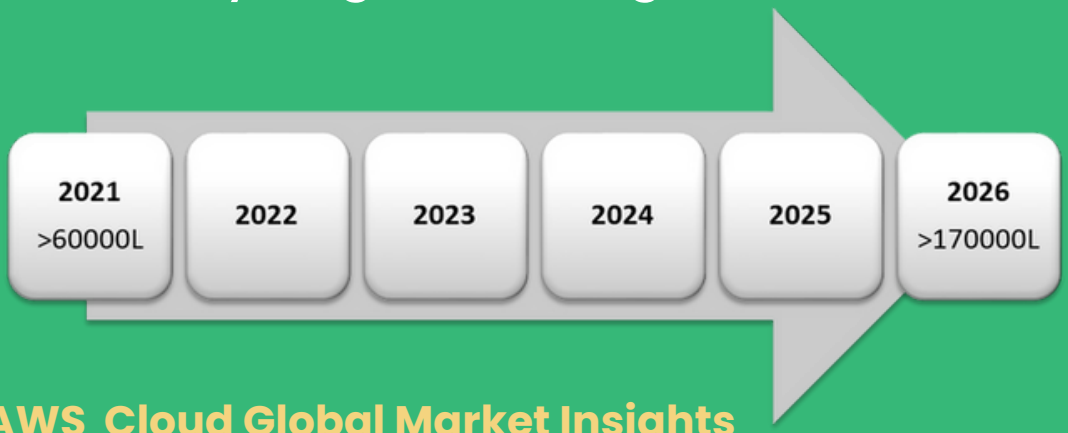
Why learn AWS Cloud?

- 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

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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.

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DON'T WORRY YOU ARE AT RIGHT PLACE

Why choose Digital Lync?

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

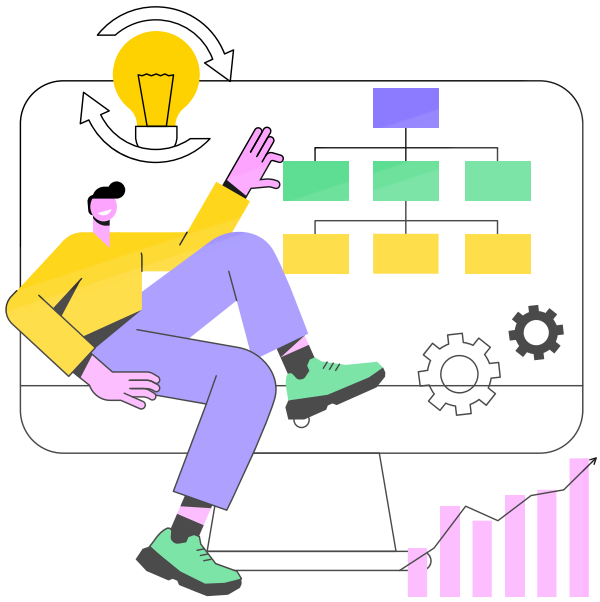
Personalised Curriculum
Unlike understanding of a few topics in Cloud DevOps, our in-depth curriculum gives you end-to-end knowledge.

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 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.



Meet the team

Digital Lync

Manikanta Kona

CEO, Digital Lync

Experienced Technologist with a demonstrated history of working in Technology, Management and Education.

Ravi Krishna

Technical Director, Cloud DevOps

Experienced Technical Architect with immense knowledge in leading various innovative Java Development and AWS Cloud projects.

Sai Kumar

Technical Director, Full Stack

Experienced Full Stack Technical Architect with an outstanding exposure of working in the Information Technology and Services industries.

Bala Krishna

Program Manager

Experienced Technical Architect with extensive experience of managing a wide range of projects across different industries through end to end development cycles.

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Course Structure

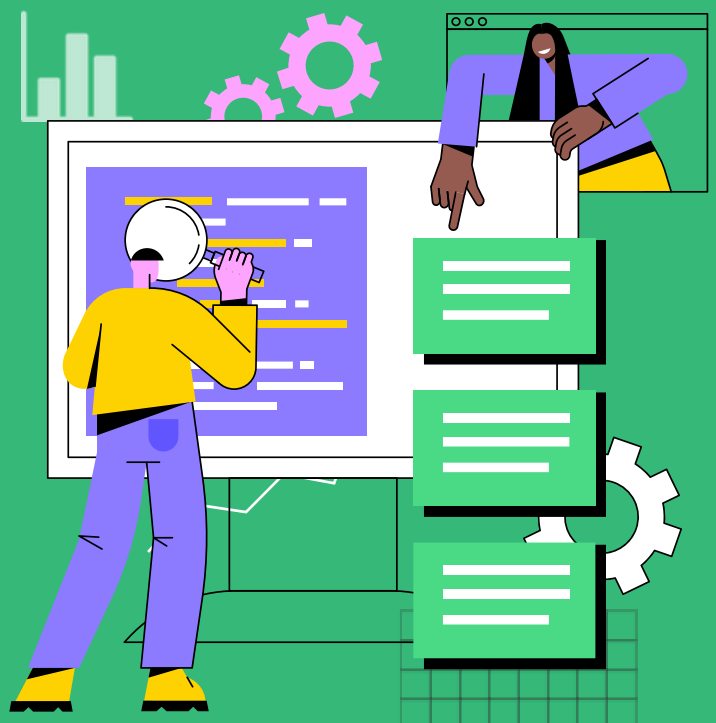
LIVE Classes
Attend LIVE sessions by industry experts.

Recorded Videos
Learn through pre-recorded videos from industry leaders.

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

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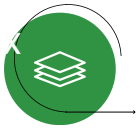
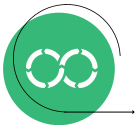
Fundamentals of Software Development

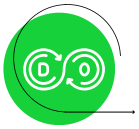
Fundamentals of Web Applications



Introduction to SDLC



Essential Technologies of SDLC



Execution of SDLC

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

CURRICULUM - MODULE 1

Fundamentals of SDLC

1 Fundamentals of Web Applications

- Web Application Architecture
- Web Technologies
- Web Technologies used in Projects

2 Introduction to SDLC/ALM

- What is SLDC?
- SDLC Methodologies
- Waterfall Methodology
- Agile Methodology
- Scrum Framework

3 Essentials Technologies of SDLC

- What is DevOps?
- What is Cloud, SAAS, IAAS, PAAS?
- What is Testing?

4 Execution to SDLC

- Analysis: Azure Boards, Jira.
- Design: Photoshop, Illustrator, Figma
- Development Front End Technologies, Back End Technologies, Databases and Frameworks
- Introduction to Azure DevOps
- Code Management: Azure Repos, Git and Git Hub.
- Testing Release: Test Plans
- Deployment and Maintenance: CI/CD Pipelines

CURRICULUM - MODULE 2

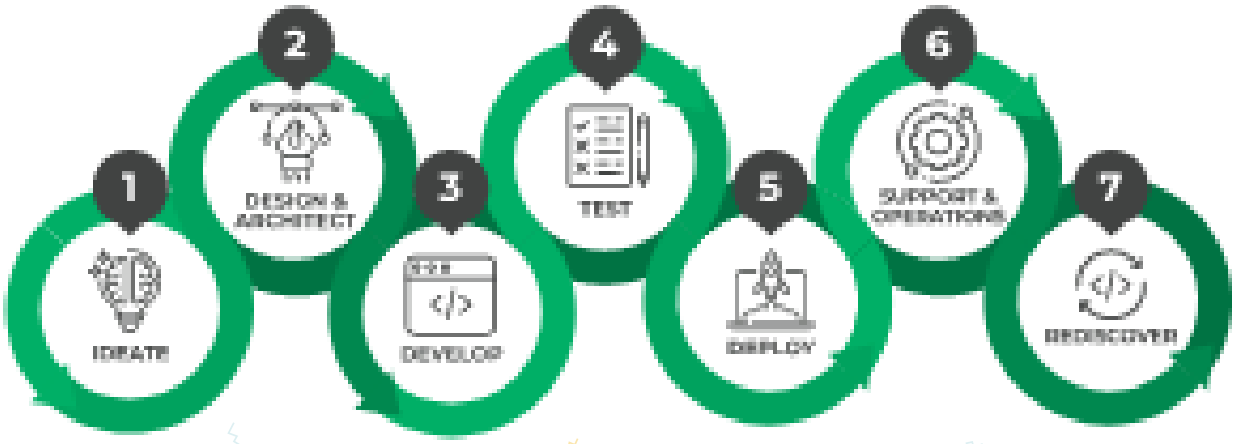
OS & Linux

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 3

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

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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

aws Terraform git ANSIBLE Azure docker

kubernetes Linux nexus CHEF Jenkins

Placement and Career Assistance

Digital Lync

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

Duration

45 Days Training + 3 Months Internship

Fee structure

Please refer to the website.

Program hours

100+ Learning Hours and additional Internship duration.

For admissions, contact

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