



# ThinkCloudly

Time to upscale!

Boost your Career to the next level, Master Cloud and Devops Courses.

## Our **Mission**

ThinkCloudly's mission is to deliver high-quality training and interview preparation skills to people who want to engage in and grow with rapidly changing technology, and making Job ready, while also making the world a better place.

# About the Course

5 in 1 Course

Training

35 Hours of Live Online Interactive Classroom Sessions

Projects

The opportunity to put theories into practice through Hands-on Projects

Certification

Showcase your skills with the Course Completion Certificate of AWS Solution Architect Training Course and enhance your profile

E-learning access

We offer a wide range of tools and techniques, video content, assessments, and more.

Membership

Learners have lifetime access to the training videos and assignments of the enrolled courses.

# Key Features

- 1 Learn from scratch, become zero to hero
- 2 Interview questions discussions on each topic
- 3 Life-time access to Course Material
- 4 Instructor Led Live Trainings from Industry Experts
- 5 Certification of completion
- 6 Learn Anytime Anywhere
- 7 Assignments and Quizzes
- 8 24\*7 Help & Support
- 9 Hands On Experience
- 10 Live Projects

## Thinkcloudly's Training Methodology

**Live Projects :** To facilitate experiential learning during the training period, participants participate in Live Projects. It helps in gaining a better understanding of the concepts and a deeper understanding of practical applications.

**Unique Pedagogy :** The teaching techniques used are based on our G.C.A.O. (Goal Centric Action Oriented) pedagogy. In this way, participants can derive action-oriented outcomes from their training.

**End-to-End Engagement :** We will engage the participants throughout the training with reverse presentations, assignments, quizzes, and brainstorming sessions.

## Learning **Benefits**

- ✔ Identify AWS architecture best practices and develop a solution plan.
- ✔ Utilize hybrid IT architectures to design a cost-effective and scalable system.
- ✔ Discover the best practices and policies of IAM for the Amazon Virtual Private Cloud.
- ✔ Understand Amazon Route 53 concepts and its best practices.
- ✔ Choose an effective AWS service based on your database and security needs.
- ✔ Understanding of Amazon EBS and EC2 instance types.
- ✔ Estimate AWS costs by identifying various cost control mechanisms.
- ✔ Learn to develop a plan to move existing on-premises applications to AWS

## Career **Benefits**

- ✦ Become eligible for positions demanding a background in Cloud Computing
- ✦ Open doors to job opportunities worldwide requiring specialization.
- ✦ Gain promotion in current role with most in-demand skill.
- ✦ Earn a Rewarding AWS Certified Solutions Architect Certification.
- ✦ Fill the void of thousands of unfilled high-paying jobs in the cloud industry with talent shortfall
- ✦ Make your profile stand out from your peers during an interview.
- ✦ Update your business card with the AWS Hallmark of Credential next to your name.
- ✦ Support a Startup.
- ✦ Professionally develop your CV and LinkedIn profile.
- ✦ Start up a business in one of the most rewarding industries of today.

# Career Roadmap with **Thinkcloudly**

Learn with industry experts

01

Practice real-time live projects

02

Test your learning with Quizzes

03

Get Certified

04

Prepare Resume

05

Get assistance when on Job

07

Prepare for Interview and land in Job

06

## Module 1 : Introduction to Cloud DevOps

### Topics :

- Understanding DevOps and its lifecycle
- Why DevOps on Cloud?
- Introduction to AWS
- DevOps using AWS
- Security Management – IAM (Identity and Access Management)
- Trusted Advisor
- Governance Strategies

### Hands-on:

- Creating policies to grant all administrative or limited privileges to a new user
- Login AWS Management Console using MFA
- Trusted Advisor
- Enabling Governance using AWS Config
- Set Alerts and Budget for your AWS Account

## Module 2: SDLC Automation

### Topics:

- CodeCommit
- CodeBuild
- CodePipeline
- CodeDeploy
- AWS CodeStar

### Hands-on:

- Working of Code Commit
- Deploy an application using Codepipeline

## Module 3 : Using CloudFormation to automate infrastructure

### Topics:

- Introduction to CloudFormation
- CloudFormation Template
- Intrinsic Functions & Conditions
- Stack Creation
- Advanced CloudFormation Concepts
- CloudFormation Stack Updates
- CloudFormation Resource Deletion Policy
- CloudFormation Best Practices
- Troubleshooting

### Hands-on:

- Hardcoding the name of an S3 bucket using CloudFormation
- How to create an S3 bucket using the intrinsic function.
- Using helper scripts to create an EC2 instance
- Using Lambda Functions to create a Custom Resource

## Module 4 : Application Deployment Using Elastic Beanstalk

### Topics:

- Introduction to Elastic Beanstalk
- Components of Beanstalk
- Deployment Option
- Platform Updates
- Docker in Elastic Beanstalk
- Extending Beanstalk using extensions
- Alarms and Notification
- Troubleshooting

### Hands-on:

- Using Beanstalk, deploy DynamoDB web applications
- Using Docker and Beanstalk, deploy your application
- A Beanstalk deployment that is immutable
- Using the .ebextensions for beanstalk instances, creating cron jobs

## Module 5 : Configuration Management Using OpsWorks

### Topics:

- Introduction to OpsWorks
- Components of OpsWorks
- Cookbooks, Recipes, Data bags and Berkshelf
- OpsWorks Lifecycle Events
- OpsWorks Deployment
- OpsWorks Auto-Healing
- Troubleshooting

### Hands-on:

- Using OpsWorks Stack, deploy an application
- Integrating CloudFormation with OpsWorks

## Module 6 : Automate Monitoring And Event Management In AWS

### Topics:

- Introduction to CloudWatch
- CloudWatch Metrics: EC2, ELB, and Auto Scaling metrics
- Custom Metrics
- CloudWatch Alarms
- CloudWatch Agent
- CloudWatch Logs
- Introduction to CloudTrail
- System Manager
- Tagging
- Concepts required to set-up event-driven automated actions

## Hands-on:

- Set Amazon CloudWatch to notify when CPU utilization is greater than 85% for an instance
- Store logs in S3 and enable CloudTrail

## Module 7 : High Availability, Fault Tolerance And Disaster Recovery

### Topics:

- EBS
- Elastic IP
- Multi region and multi AZs
- SQS
- Data Management in Amazon RDS
- Dynamo DB
- S3
- Provisioning elasticity using Load Balancer and Auto-Scaling
- Components of Auto Scaling
- Horizontal and vertical scaling
- Auto-Scaling Lifecycle
- Recovery Time Objective and Recovery Point Objective
- Disaster Recovery Options
- Overcome single Point of Failure

## Hands-on:

- Implementation of a load balancer and auto-scaling for a fault-tolerant and highly available system

## Module 8 : Container Management Tools

### Topics:

- Orchestration
- Elastic Container Service
- Amazon ECR
- Select a Launch type for your application
- ECS with EC2
- ECS with Fargate

## Hands On:

- To Push An Image Into ECR
- Using the Fargate launch type to host a website inside ECS

## Module 9 : AWS Certified DevOps Engineer Exam Discussion

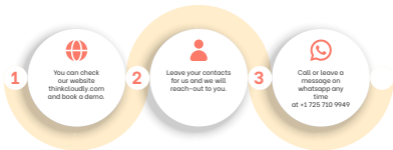
### Topics:

- AWS Certified DevOps Engineer Exam Guide
- Certification Exam Questionnaires

# Who can **Apply for our Courses?**

- ✓ Anyone with a bachelor's degree and passion for Cloud and DevOps technologies
- ✓ Professionals looking to grow their career as a Cloud Architect
- ✓ Any IT Professional with a bachelor's degree looking to transition into cloud computing
- ✓ Project Managers / Product Managers looking to up skill in Cloud and DevOps
- ✓ Developers who want to use Cloud Computing applications and build platforms

## HOW TO **ENROLL WITH US?**



After completing enrollment process, You will receive your login credentials in your mail.

**Happy learning !**



# Our other paid Services



Certificate  
Assistance



Resume  
Preparation



Interview  
Preparation



Job  
Support

## Certificate Assistance

- ✓ Achieving success in life and work can be difficult, but you are not alone. Get help from experienced professionals who will solve your doubts and queries in a short span of time. Work successfully with teammates to achieve the desired goals as well. We offer answers for all your queries- so don't hesitate to ask!
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## Resume Preparation

- ✓ Thinkcloudly will tailor your resume to make it stand out. We know what recruiters are looking for, and we'll bring that out in your personal statement and bullet points.
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## Interview Preparation

- ✓ We at Thinkcloudly are on a mission to pave your way into the future with our IT job services. We will help you prepare for interviews, guide and provide mock interview sessions so that nothing catches you by surprise in real life, and clear any doubts from experts who can answer any of those questions!
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## JOB SUPPORT

- ✓ Achieving success in life and work can be difficult, but you are not alone. Get help from experienced professionals who will solve your doubts and queries in a short span of time. Work successfully with teammates to achieve the desired goals as well. We offer answers for all your queries- so don't hesitate to ask!



## THE **WHOLE TRUTH**

The training session was detailed enough to help me get through my AWS Certification and get through my interviews successfully.

 **Jeremi**

It makes me happy that THINKCLOUDLY makes sure you learn it and perform on your own, the interview preparation is also top notch

 **Oluwafunmilayo**

I have completed Azure Fundamentals Certification from Thinkcloudly. The course content is well maintained with current industry practice.

 **Alan M. Anthony**

Thinkcloudly's recorded video sessions of class lectures is amazing, so if you can't attend any class, you can learn from them. Many thanks

 **Ashley R. Steinbeck**



## About us :

ThinkCloudly started with the idea that education is a powerful tool that provides the required knowledge, skills, and techniques to live a respectful life and transform people's lives.

ThinkCloudly is a Global cloud learning platform where you can begin your journey to become a CLOUD professional. We are committed to upskilling you by offering dedicated courses to develop the employment abilities of our students.

**1.2 Million** Learners & 200+ Corporates across 155+ countries  
upskilling on Intellipaat Platform



Canada

Usa

## Contact Us

**VISIT US** : [www.thinkcloudly.com](http://www.thinkcloudly.com)

**LOCATE US** : 1111-21 Iceboat Terr, Toronto, Ontario , M5V 4A9

**CALL US** : +1725 710 9949 (Whatsapp)

**MAIL US** : [info@thinkcloudly.com](mailto:info@thinkcloudly.com) | [admins@thinkcloudly.com](mailto:admins@thinkcloudly.com)