

(e)gain



AWS SECURITY SPECIALTY | PRODUCTION USE CASE COURSE

REVOLUTIONIZE YOUR CAREER WITH
TECHNOLOGY TRAINING

Our Vision: Education is our MAIN Priority, NOT Business.

TOTAL COURSE: 45 HOURS



9 years of
Excellence

Govt. Of India
Accredited (INYC)

About Us



SUPPORTING ENTERPRISES



e-gain is a **student obsessed institute** and an endeavor which had been in mind for nine long years. Only in the recent past, it has been moulded to give it a new structure.

e-gain is a platform nurtured by highly qualified professionals who have been linked with the industry for years, gaining vast experience.

Our teaching staff mainly comprises of expert professionals like IT Infrastructure Architect, Application Project Managers, Senior Analysts, Senior Business Intelligence consultant, Senior Big Data consultants rather than mere faculties. They are attached with the production environment rendering their expertise and skills.

Our primary vision is to impart real education and build professionals who can shine with excellence. With this vision e-gain is winning the hearts of many students who have begun to consider the e-gain teachers as their private tutors. To facilitate this and keep the passion going we have introduced Reach My Teacher tab where students can get access to their respective teachers to solve problem and queries even after post training.

"Education is the most powerful weapon which you can use to change the world." ~Nelson Mandela,"

OUR ACCREDITATIONS



STUDENT SAMPLE CERTIFICATE



INDIAN NATIONAL YOUTH COMPUTER

RECOGNIZED BY GOVT. OF INDIA

Indian National Youth Computer™
(An ISO 9001:2018 Certified Organization)

1) An ISO 9001:2018 Certified autonomous Body (Regd No-230422080743QRA), 2) Registered Under Department of labour, Govt. of NCT(Delhi) (Regd.No:-2019006235), 3) Regd. Under MSME Govt. of India, (WB15D0004104), 4) Trust Regd No.:(IV-130100309), 5) Certificate of Admissibility, (Rule 43, WB.Registration Rules 1962), 6) Registered Under Trade Mark Registry Act, 1999, Govt of India (Regd. No-4858852)



Confidential

Certificate



Confidential

This is to certify that

Mr / Mrs / Ms **ANANDAKI** Confidential
S.O / D.O / W.O **A VE** Confidential

has successfully completed the course

AWS SOLUTIONS ARCHITECT-ASSOCIATE

from our Authorized Study Centre

E-GAIN TECHNOLOGIES

*with grade **A+** in the year **2023**.*

*His / Her enrollment no is **009318**.*

Certificate No: INYC-CRT-009318
Issue Date : 14-08-2023
Admission Date : 10-05-2023
Exam Date : 10-08-2023





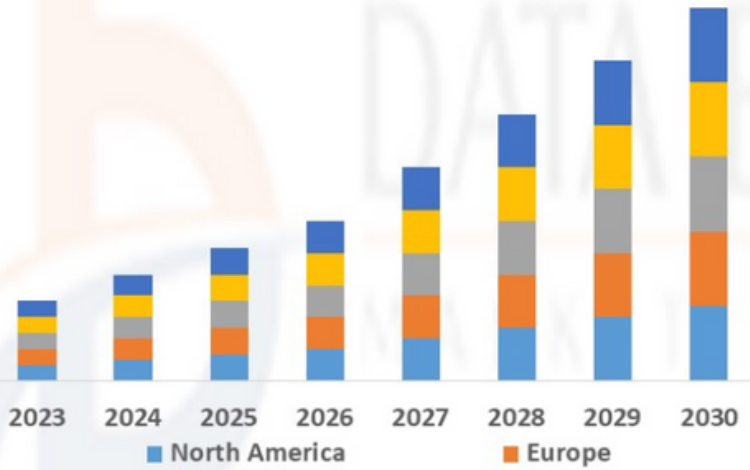
Signature of Chairman

www.inyc.in

80% & Above A+, 70% & Above A, 60% & Above B+, 50% & Above B, 40% & Above C

DATA POINTS ON MARKET TRENDS

Global Database Security Market is Expected to Account for USD 25.97 Billion by 2030



Global Database Security Market, By Regions, 2023 to 2030



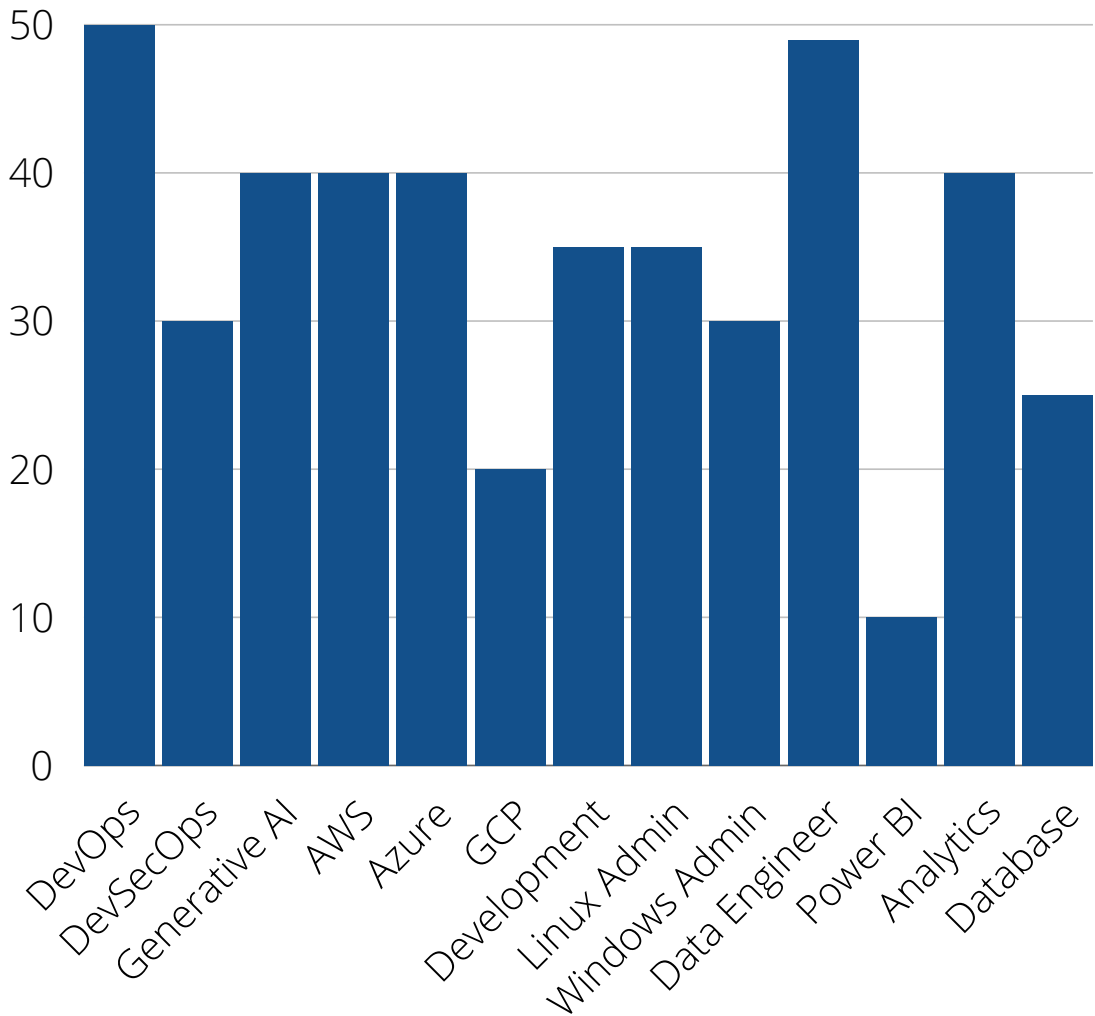
DATA BRIDGE MARKET RESEARCH

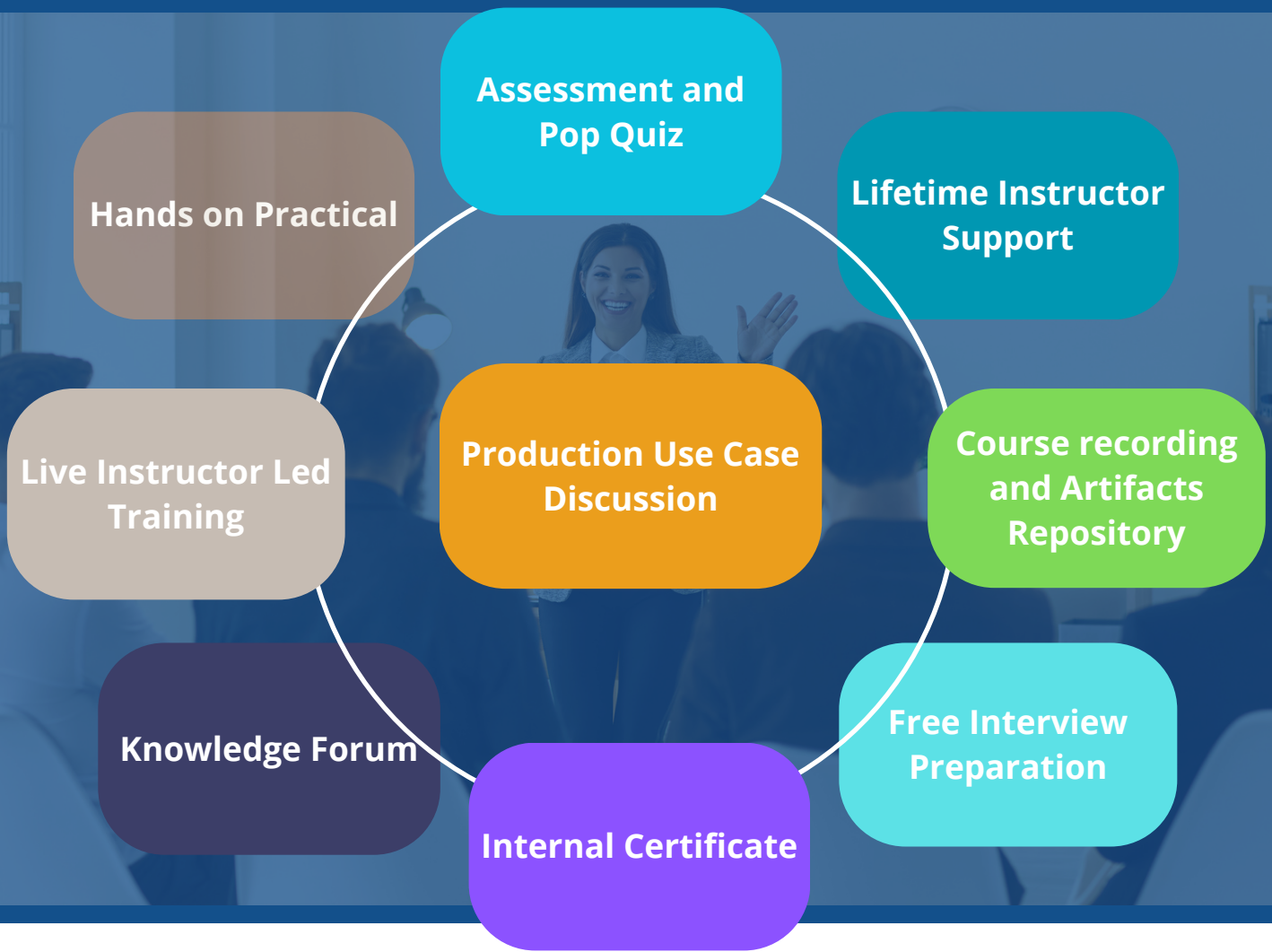


DMCA Protected © Data Bridge Market Research- All Rights Reserved. Source: Data Bridge Market Research Market Analysis Study 2023

Source: Data Bridge Market Research

MARKET TRENDS



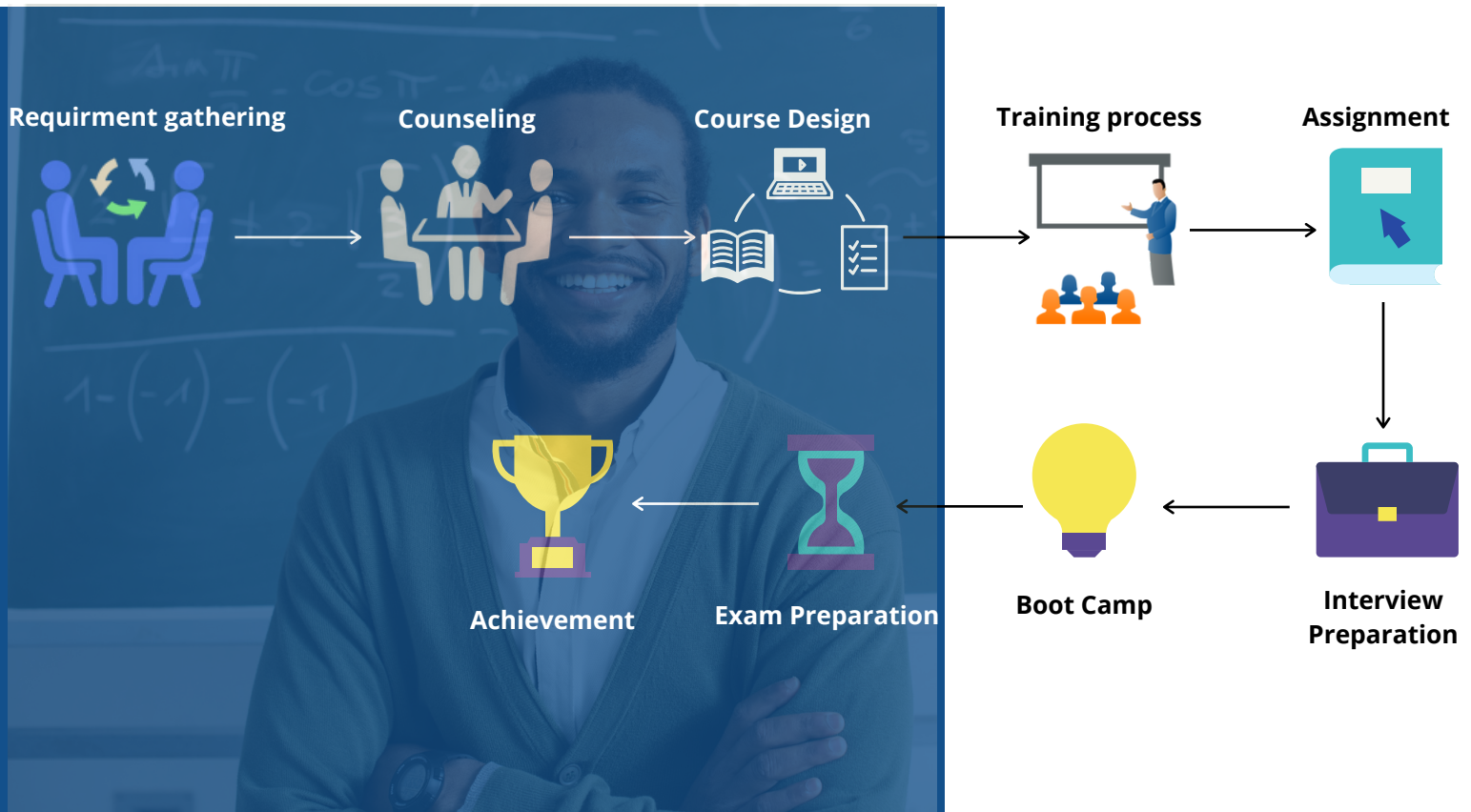


We believe in **Hands On practical**. All courses are designed as **90% practical**.

Anybody can join our community group. We do not blend Business motive in **Education**

All our instructors are **Subject Matter Experts**. Learn from SME. It **matters** these days

Every student comes up with own objective to learn...



Free 1:1 Career RoadMap Counseling with Our Expert

Career Road Map Counselling is FREE for everyone | This is our true intention to help people grow and have a good impact on society.

Certification is Good but Gaining Real knowledge is more important otherwise your certificate will become a piece of paper....

WHAT OUR STUDENTS SAY

After a stint of 17 years in IT Infrastructure and Project Management, I was looking for new learning and exploring AWS, came in touch with many, but e-gain showed a different angle of exploring AWS, consistently e-gain kept on proving why they are different one. Not only theoretical approach, more focus on practical work and ready to accept new questions and came out with solutions each and every time. It's a class, where it gives a feeling of traditional Gurukul system, where not only one sided lecture are given (like most of the institute), here QA session is a regular phenomenon. Assignments are given and honest evaluation takes place. Wish all the best e-gain.

SAMARESH CHATTOPADHYAY
RELIANCE JIO

Knowledge is power and learning the only way to acquire it. In modern times online training is the most efficient and convenient way of learning when it comes to any technical training especially in Information Technology. If you are in this industry, then you must enroll in e-gain. Because it is not an online training institute only. Apart from giving online training with hands-on it prepares a student to appear for certification examinations and interviews. e-gain also shares information on latest trends, best practices, new technologies - with all, on open forum basis. Once enrolled in e-gain, one will not only get training but a guidance throughout the journey in Information Technology. e-gain offers training on most popular and upcoming technologies, both. The trainers are from reputed organizations with deep knowledge and vast experience.

SATYABRATA SUR
TECHMAHINDRA INDIA

A word of gratitude to e-gain's training team. I had an amazing experience training with e-gain, the trainers are highly skilled, professional, helpful and supportive. Thank you e-gain for helping me reach new heights. "A good coach can change a game, A great coach can change a life". You've changed my life e-gain, thank you.

MMAPULA CHELOPO
INDEPENDENT ITSM CHANGE MANAGEMENT CONSULTANT,
JOHANNESBURG

WHAT OUR STUDENTS SAY

I can say this with utmost confidence that e-gain is one of the best training resources out there in today's online teaching world. e-gain is a thorough professional team and teaches you to connect the theory of Technology with the practical aspects. They are not only spark the interest about the topics but also encourages you to ask questions, these questions lead you to more questions and you really start to grasp the core of the subject that you are trying to Master. I have nothing but great things to say about e-gain, learning with e-gain is one of the great decisions I took in my online learning pursuits, hands down !!

ATIF RATHER
CPP INVESTMENT | CANADA

Hey this Dipanjan today I am giving a big thanks to e-gain and team. Today whatever very little knowledge I have gained this all happened as because of e-gain team.

I have undergone very tough time where I was standing on the edge where I was left every piece of hope but one thing I have always in my mind I never learnt to bent down.I always ready to accept the adversities, this all things are possible just because of e-gain. T thanks for your support I always thankful to these people. long live e-gain.

DIPANJAN CHAKRABORTY
ACCENTURE

Develops a culture of continuous performance improvement @e-gain can be a powerful trigger for change Awesome teachers with astounding knowledge.

INDRAKHEE BARUA
IBM

Duration: 45 hours

Introduction

Let's get started with AWS Security Specialty and Production Use Case

Threat detection and Incident response

- GuardDuty
- Security Hub
- Detective overview and architecture
- Penetration Testing on AWS
- EC2 Key Pairs & Remediating Exposed EC2 Key Pairs
- EC2 Instance Connect
- EC2 Serial Console
- Lost EC2 Key Pair - Linux
- Lost EC2 Key Pair - Windows
- EC2 Rescue Tool for Linux & Windows
- AWS Acceptable Use Policy (AUP)
- AWS Abuse Report
- IAM Security Tools
- IAM Access Analyzer

Security Logging and Monitoring

- Amazon Inspector
- Logging in AWS for security and compliance
- Systems Manager Overview
- Start EC2 Instances with SSM Agent
- AWS Tags & SSM Resource Groups
- SSM Documents & SSM Run Command
- SSM Automations
- SSM Parameter Store
- SSM Inventory & State Manager
- SSM Patch Manager and Maintenance Windows
- SSM Session Manager
- SSM Session Manager Hands On
- CloudWatch - Unified CloudWatch Agent
- CloudWatch Logs
- CloudWatch Alarms
- CloudWatch Contributor Insights
- Amazon EventBridge
- Amazon Athena
- CloudTrail
- CloudTrail - EventBridge Integration
- CloudTrail to CloudWatch Metrics Filter - Example
- CloudTrail - Integration with Athena
- Monitoring Account Activity
- Macie

- S3 Event Notifications
- VPC Flow Logs
- VPC Traffic Mirroring
- VPC Network Access Analyzer
- Route 53 - Query Logging

Infrastructure Security

- Bastion Host
- Site to Site VPN
- Client VPN
- VPC Peering
- DNS Resolution Options in VPC
- VPC Endpoints
- PrivateLink
- NACL & Security Groups
- Security Groups Outbound Rules & Managed Prefixes
- AWS Transit Gateway
- CloudFront
- CloudFront - Geo Restriction
- CloudFront - Signed URL & Cookies
- CloudFront - Signed URL & Cookies - Hands On
- CloudFront - Field Level Encryption
- Origin Access Control and Origin Access Identity (OAC & OAI)
- WAF
- Shield
- AWS Firewall Manager
- AWS Shield Advanced - Metrics
- DDoS Attack Protection
- API Gateway
- AWS Artifact
- Route 53 - DNSSEC
- AWS Network Firewall

Identity and Access Management

- AM Policies in Depth
- IAM Condition Operators
- IAM Global condition context keys
- IAM Permission Boundaries
- IAM Policy Evaluation Logic
- Identity-Based Policies vs. Resource-Based Policies
- ABAC (Attribute based access control)
- IAM MFA
- IAM Credentials Report
- IAM Roles and PassRole to Services

- STS
- STS External ID
- Sample SCP
- EC2 Instance Metadata
- S3 - Authorization Evaluation Process
- S3 - Cross Account Access and Canned ACL
- S3 - Samples S3 Bucket Policies
- VPC Endpoint Strategy
- S3 - Regain Access to Locked S3 Bucket
- S3 - Block Public Access Settings
- S3 Access Points
- S3 Multi-Region Access Points
- S3 CORS
- Cognito User Pools
- Cognito Identity Pools
- Cognito User Pool User Groups
- Identity Federation & Cognito
- AWS IAM Identity Center
- AWS Directory Services

Data Protection

- Encryption
- CloudHSM
- KMS
- KMS Multi Region Key
- KMS Envelope Encryption
- KMS Key Rotation
- KMS Key Deletion
- KMS Grants
- KMS Condition Keys
- KMS Key Policies Evaluation Process
- KMS Key Cross-Account Access
- KMS Asymmetric Encryption
- KMS API Calls Limits and Data Key Caching
- KMS with EBS
- EFS Encryption
- KMS with ABAC
- KMS with Parameter Store
- Secrets Manager
- S3 Encryption
- S3 Default Encryption
- S3 Bucket Policies
- S3 Bucket Key



- Large File Upload to S3 with KMS Key
- S3 Batch Encryption
- S3 Object Lock & Glacier Vault Lock
- S3 Lifecycle Rules
- S3 Replication
- Network Load Balancer Advanced
- ELB Sticky Sessions
- ELB SSL Certificates
- Network Load Balancer - TLS Listeners
- AWS Certificate Manager (ACM)
- AWS Backup
- Amazon Data Lifecycle Manager
- AWS Nitro Enclaves

Management and Security Governance

- Organizations
- AWS Organizations - IAM Policies & Tag Policies
- AWS Control Tower
- AWS Config
- [SOA] AWS Config - Aggregators
- Trusted Advisor
- AWS Cost Explorer
- AWS Cost Anomaly Detection
- AWS Well-Architected Framework & Well-Architected Tool
- Audit Manager
- CloudFormation
- CloudFormation - Drift
- CloudFormation - Termination Protection
- CloudFormation - Stack Policy
- CloudFormation - Dynamic References
- CloudFormation Guard
- AWS Service Catalog
- AWS Resource Access Manager (AWS RAM)

Bonus Topic

- Direct Connect
- Direct Connect + S2S VPN
- Elastic Container Registry (ECR)
- ECR Security
- ECS Secret Management
- EKS Concepts
- Lambda Security
- Lambda in VPC
- Lambda in VPC - Hands On
- AWS Signer
- AWS Verified Access

- **Glue Overview**
- **Glue Security**
- **Workspaces Security**
- **ASG Instance Refresh**
- **EBS - Data Volume Wiping**
- **CloudShell**
- **RDS & Aurora Security**
- **EC2 Image Builder**
- **Redshift Security**
- **DynamoDB - Time To Live (TTL)**

Production Use Case Discussion

Certification Preparation





We need number of **HAPPY** Students
NOT just number of total students.

Contact us



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