

Welcome to TheOpsKart - Your Gateway to Advanced Learning

At TheOpsKart, we are committed to empowering professionals and students worldwide through cutting-edge e-learning solutions. As a leading platform, we specialize in providing live, instructor-led, and interactive online training across a diverse range of domains.

Why Choose TheOpsKart?

- **Live Instructor-Led Training:** Engage in dynamic and interactive learning experiences with our live instructors, ensuring a personalized and effective learning journey.
- **Global Reach:** We cater to a diverse global audience, connecting professionals and students from different corners of the world.
- **Accessible Learning:** Our easy and affordable learning solutions are designed to be accessible to millions of learners, breaking barriers to education.
- **Join Us in Shaping the Future:** Whether you're a seasoned professional looking to upskill or a student eager to explore new horizons, TheOpsKart is your dedicated partner in the journey of continuous learning.

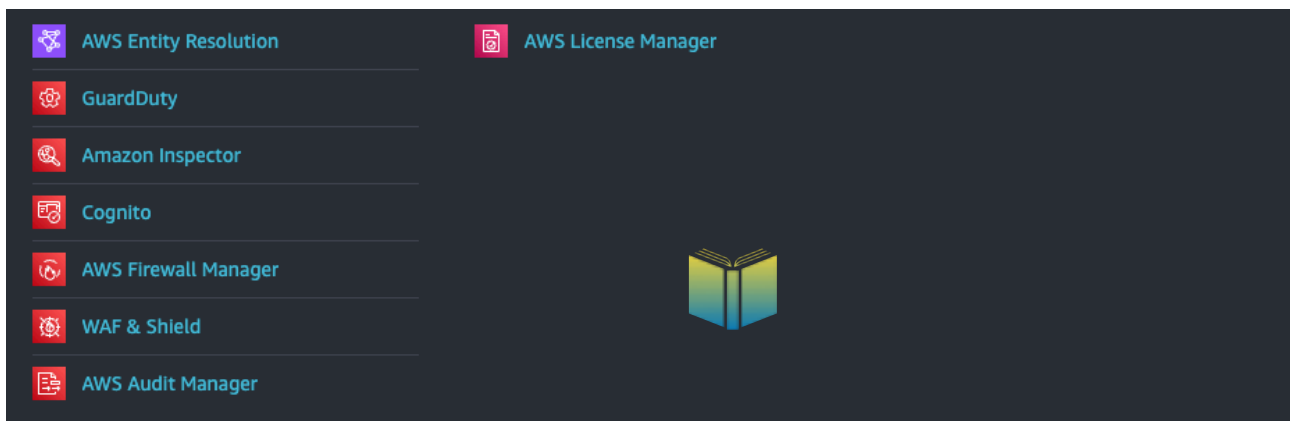
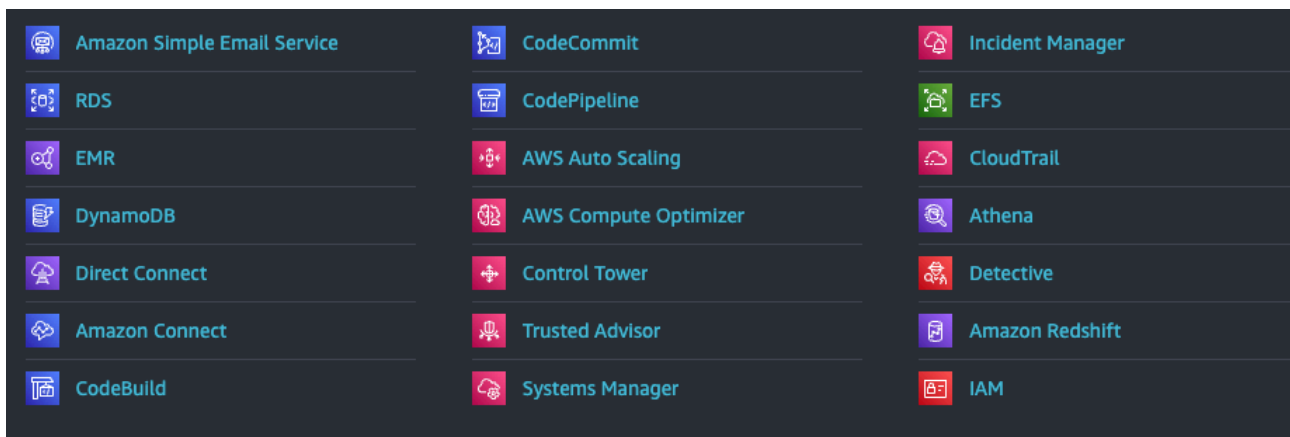
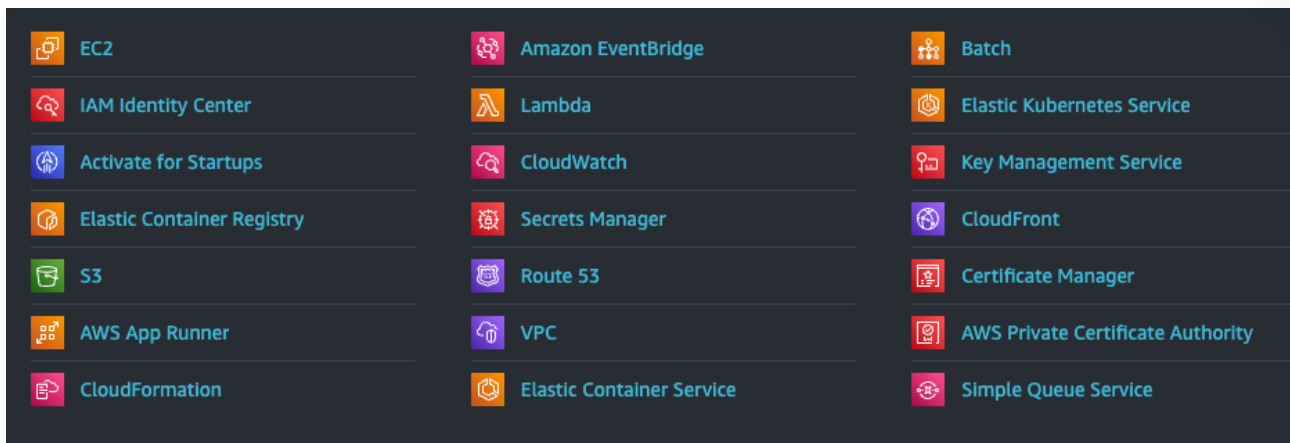


About Course

"TheOpsKart presents the AWS Certified Solutions Architect - Associate course, a comprehensive training program designed by industry experts to equip learners with the skills needed to excel in the AWS Solutions Architect role. This course is tailored to meet industry requirements and prepare participants for the AWS Certified Solutions Architect - Associate exam.

Our training program covers key domains such as **Design Secure Architectures, Design Resilient Architectures, Design High-Performing Architectures, and Design Cost-Optimized Architectures.** Participants will delve into secure access controls, resilient workload and application designs, data security controls, scalable and loosely coupled architectures, highly available and fault-tolerant architectures, high-performing storage and compute solutions, and cost-optimized architectures.

Throughout the course, hands-on exercises and real-world scenarios will enhance your practical skills. By the end of the program, you'll be adept at designing and implementing robust cloud solutions using AWS services. **Prepare to ace the AWS Certified Solutions Architect - Associate exam and advance your career in cloud architecture with TheOpsKart's industry-aligned training."**



Course Title: AWS Certified Solutions Architect - Associate Training

Module 1: Introduction

- Overview of AWS Exam

- Response Types
- Content Domains and Weightings



Module 2: Domain 1 - Design Secure Architectures

- Project 1.a: Design Secure Access to AWS Resources
 - AWS IAM Overview
 - Access Controls and Management
 - Federated Access and Identity Services
- Project 1.b: Design Secure Workloads and Applications
 - AWS VPC Essentials
 - Application Configuration and Credentials Security
 - Security Services Usage
- Project 1.c: Determine Appropriate Data Security Controls
 - AWS Key Management Service (KMS)
 - SSL Certificate Management
 - Data Backups and Replications



Module 3: Domain 2 - Design Resilient Architectures

- Project 2.a: Design Scalable and Loosely Coupled Architectures
 - Serverless Event-Driven Services
 - Multitier Architecture
 - Compute, Storage, Networking, Databases
- Project 2.b: Design Highly Available and/or Fault-Tolerant Architectures
 - Disaster Recovery Strategies
 - Distributed Design Patterns

- Load Balancing Concepts



Module 4: Domain 3 - Design High-Performing Architectures

- Project 3.a: Determine High-Performing and/or Scalable Storage Solutions
 - EBS, EFS, S3
 - Object Security and Versioning
- Project 3.b: Design High-Performing and Elastic Compute Solutions
 - AWS EMR, Fargate, Batch
 - EC2 Auto Scaling
- Project 3.c: Determine High-Performing Database Solutions
 - AWS ElastiCache
 - Database Capacity Planning
 - Database Engines and Replication
- Project 3.d: Determine High-Performing and/or Scalable Network Architectures
 - Amazon CloudFront
 - AWS Global Accelerator
 - Load Balancing Strategies
- Project 3.e: Determine High-Performing Data Ingestion and Transformation
 - Amazon Athena, QuickSight
 - Data Ingestion Patterns
 - AWS DataSync, Storage Gateway



Module 5: Domain 4 - Design Cost-Optimized Architectures

- Project 4.a: Design Cost-Optimized Storage Solutions
 - Storage Strategies
 - AWS Cost Management Tools
 - Storage Access Patterns
- Project 4.b: Design Cost-Optimized Compute Solutions
 - Load Balancing Strategies
 - Scaling Methods
 - AWS Compute Services
- Project 4.c: Design Cost-Optimized Database Solutions
 - Backup and Retention Policies
 - AWS Database Services
 - Database Types
- Project 4.d: Design Cost-Optimized Network Architectures
 - NAT Gateway Configurations
 - Network Connection Options
 - CDN and Edge Caching



Conclusion

- Review of Key Concepts
- Exam Preparation Tips
- Q&A Session