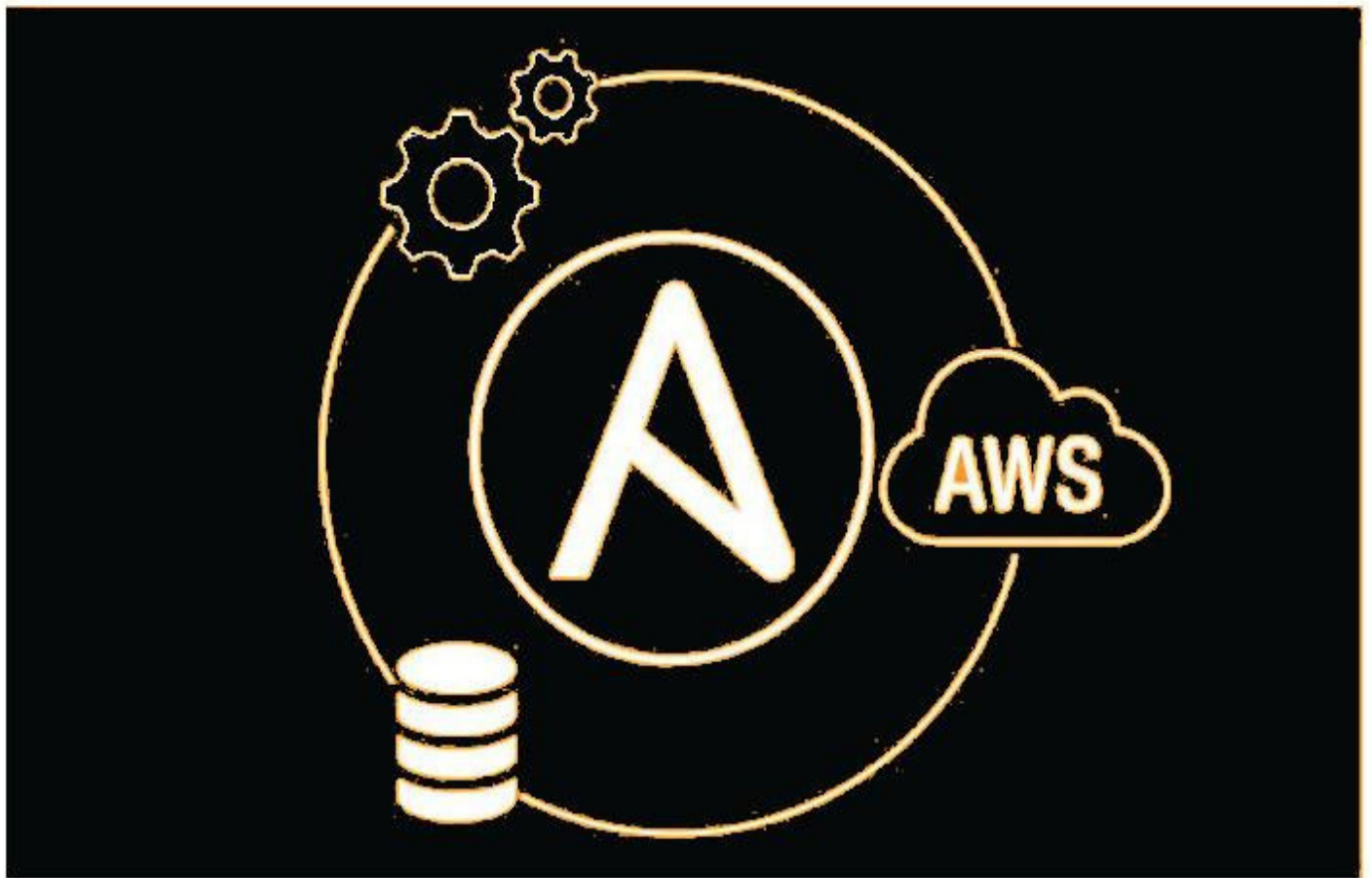




AWS KUBERNETES



Access to Interview Opportunities with Top Companies



Industry-Relevant Curriculum Designed and Taught by Industry Experts



Hands on Project and Industry Specific Tools



Dedicated Career Support and Interview Preparation



Post Graduate Certificate from Great Lakes Executive Learning



Yes, it was very difficult. I have worked with networking on and off during my 13 years working in the IT area. AWS Direct Connect is a networking service that provides an alternative to using the internet to connect to AWS. Using AWS Direct Connect, data that would have previously been transported over the AWS Certified Advanced Networking Specialty internet is delivered through a private network. This service is intended for individuals who perform complex connection between your facilities and AWS. I have five years of hands-on experience architecting and implementing network solutions. AWS Networking and Content Delivery. Run every workload on a secure and reliable global network. Get the broadest and deepest set of networking and content delivery services in the world with AWS. Run applications with the highest level of reliability, security, and performance in the cloud. Most secure. Jens, you just earned a badge from Amazon Web Services Training and Certification. The exam has the reputation of being one of the most difficult AWS Specialty exams.





The Program helps you do grow and bloom in Industry and developed by best-in-class industry experts. It offers a blend of online learning with live and recorded lectures along with access to dedicated career support and rewarding job opportunities.

LEARN ONLINE ANYTIME, ANYWHERE
Learn from live masterclasses by top industry leaders and online lab sessions every week, along with 100+ hours of learning content.

WEEKLY ONLINE MENTORSHIP FROM EXPERTS
Get assistance on projects and reinforce the concepts you learn through weekly mentorship sessions.

NETWORK WITH LIKE-MINDED PEERS
Interact with peers from diverse backgrounds and

grow your professional network.

DEDICATED PROGRAM SUPPORT
Access dedicated support on your learning journey and resolve for all your queries with help from a dedicated Program Manager.



A fresh graduate or a working professional looking to up-skill and build a career.



LEARNING PLAN

AWS KUBERNETES

Module 1: Introduction to AWS and Kubernetes

1.1. Introduction to Containerization

1.1.1. What are Containers?

1.1.2. Benefits of Containerization

1.2. Introduction to Kubernetes

1.2.1. What is Kubernetes?

1.2.2. Kubernetes Architecture

1.2.3. Key Kubernetes Concepts (Pods, Service Deployments.)

1.3. AWS Services for Kubernetes

1.3.1. Amazon Elastic Kubernetes Service (EKS)

1.3.2. Amazon Container Registry (ECR)

Module 2: Setting up Kubernetes on AWS

2.1. Creating an AWS Account

2.1.1. AWS Console Overview

2.1.2. IAM Roles and Permissions

2.2. Setting up an EKS Cluster

2.2.1. Configuring VPC and Subnets

2.2.2. Cluster Creation with eksctl or AWS

Console

2.2.3. Worker Node Groups

Module 3: Deploying Applications

3.1. Building Docker Containers

3.1.1. Writing Dockerfiles

3.1.2. Building Images with Docker

3.2. Deploying Applications on EKS

3.2.1. Kubernetes Deployments

3.2.2. Services and Load Balancers

3.2.3. Helm Charts for Packaging

Module 4: Scaling and Managing Kubernetes

4.1. Scaling Applications

4.1.1. Horizontal Pod Autoscaling

4.1.2. Cluster Autoscaling

4.2. Monitoring and Logging

4.2.1. Amazon CloudWatch

4.2.2. Kubernetes Dashboard

4.2.3. EKS Optimized Metrics

Module 5: Security and Access Control

5.1. Kubernetes RBAC (Role-Based Access Control)

5.1.1. Roles and RoleBindings

5.1.2. ServiceAccounts

5.2. Securing EKS Clusters

5.2.1. Network Policies

5.2.2. AWS Identity and Access Management
(IAM) Roles

Module 6: Advanced Topics

6.1. High Availability and Disaster Recovery

6.1.1. Multi-AZ Deployments

6.1.2. Backup and Restore Strategies

6.2.1. Integrating EKS with CI/CD Tools

6.2.2. Deploying Changes Automatically

Module 7: Optimization and Best Practices

7.1. Cost Optimization

7.1.1. Cost Monitoring and Reduction Strategies

7.1.2. EC2 Spot Instances

7.2. Best Practices for EKS

7.2.1. Security Best Practices

7.2.2. Performance Optimization

Module 8: Project and Hands-on Labs

8.1. Final Project

8.1.1. Building and Deploying a Real-World Application

8.1.2. Troubleshooting and Optimization

8.2. Hands-on Labs

8.2.1. Lab Exercises and Quizzes

8.2.2. Troubleshooting Scenarios

Module 9: Course Conclusion and Certification

9.1. Review and Recap

9.1.1. Key Concepts

9.1.2. Important Skills



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whatsapp group link - <https://chat.wG2J3zSeX3eZ2Hz0nDu18UF>