

Networking Essentials for Cloud Applications on AWS

Varighed: 1 Day Kursus Kode: GK910026 Leveringsmetode: Virtuel deltagelse

Beskrivelse:

The Networking Essentials for Cloud Applications on AWS course provides a comprehensive understanding of networking concepts and services within the Amazon Web Services (AWS) cloud environment. Designed for novice and experienced networking engineers, this course covers essential topics, best practices, and hands-on labs. Its purpose is to equip learners with the knowledge and skills that are required to design, configure, and optimize network infrastructure on AWS.

This course includes presentations, demonstrations, knowledge checks, and three hands-on labs that revolve around a use case story.

Virtuel deltagelse

Et V&C Select kursus indholder nøjagtig det samme som et almindeligt kursus. Før kursusstart modtager man kursusmaterialet. Dernæst logger man på kurset via internettet og ser via sin pc den selvsamme præsentation som de øvrige deltagere, man kommunikerer via chat med underviseren og de øvrige deltagere på kurset. Denne uddannelsesmodel er både tids-og omkostningsbesparende og kan være et oplagt alternativ til almindelig klasseundervisning, hvis man f.eks. har et begrænset rejsebudget.

Målgruppe:

This course is intended for: Newly hired cloud engineers On-premises IT engineers Cloud architects Cloud engineers Network engineers

Agenda:

- In this course, you will learn to:
 - Design a networking infrastructure for a scalable production application, considering design trade-offs between different networking services.
 - Configure networking services for a highly available, resilient, and scalable application.
 - Implement the networking infrastructure according to evolving business requirements.
 - Implement networking best practices to align towards AWS Well-Architected Framework.
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Forudsætninger:

We recommend that attendees of this course have:

- Basic knowledge of networking concepts
 - Basic knowledge of AWS services
 - AWS Technical Essentials or Cloud Practitioner Essentials
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Indhold:

Module 0: Course Introduction

- Introductions
- Course overview
- Use case introduction

Module 1: Networking on AWS

- IP addressing
- Amazon Virtual Private Cloud (Amazon VPC) fundamentals
- Subnets
- Amazon VPC IP Address Manager (IPAM)
- Elastic Network Interfaces
- Elastic IP addressing
- Route table
- Internet and NAT gateways
- Basic traffic filtering mechanisms for a VPC
- Knowledge check

Module 2: Load Balancing and Scaling on AWS

- Elastic Load Balancing (ELB)
- Cross-zone load balancing
- Auto Scaling group (ASG) basics
- Knowledge check
- Use case part one

Module 3: VPC Interconnectivity and Content Delivery

- VPC interconnectivity
- VPC peering
- VPC Transit Gateway
- VPC endpoints
- Edge locations
- AWS Global Accelerator
- Knowledge check
- Use case part two

Module 4: High Availability with Amazon Route 53

- Amazon Route 53
- Knowledge check
- Use case part three

Module 5: Course Wrap-Up

- Course reflection
- Use case labs recap
- Use case conclusion
- Course feedback survey

Additional Information:

Course level: Intermediate

Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

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