Designing and Implementing Cloud Connectivity

Varighed: 4 Days   **Kursus Kode: ENCC**   **Version: 1.1**   **Leveringsmetode: Company event (Firmakursus)**

Beskrivelse:

The Designing and Implementing Cloud Connectivity training helps you develop the skills required to design and implement enterprise cloud connectivity solutions. Learn how to leverage both private and public internet-based connectivity to extend the enterprise network to cloud providers. Explore the basic concepts surrounding public cloud infrastructure and how services like Software as a Service (SaaS) can be integrated. You will practice how to analyze and recommend connectivity models that provide the best quality of experience for users. Implement both Internet Protocol Security (IPsec) and Software-Defined Wide-Area Network (SD-WAN) cloud connectivity, as well as build overlay routing with Open Shortest Path First (OSPF) and Border Gateway Protocol (BGP). Finally, practice troubleshooting cloud connectivity issues relating to IPsec, SD-WAN, routing, application performance, and policy application.

This training will help you:
Develop the skills required to design and implement enterprise cloud connectivity solutions
Learn how to apply the VPN and overlay networking technology, including Cisco Catalyst SD-WAN to extend the enterprise network to cloud providers, such as Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform (GCP) using both private connectivity services and public internet as an underlay
Examine the solutions for optimizing access to SaaS cloud providers and the workflows for diagnosing and troubleshooting cloud connectivity issues
Gain knowledge for protocols, solutions, and designs to acquire professional-level and expert-level enterprise roles
This training prepares you for the 300-440 ENCC exam. If passed, you earn the Cisco Certified Specialist–Enterprise Cloud Connectivity certification and satisfy the concentration exam requirement for the Cisco Certified Network Professional (CCNP) Enterprise certification.

This course is worth 32 Continuing Education (CE) credits toward recertification.

Firmakursus

Med et firmakursus bliver jeres it-kompetenceudvikling målrettet jeres behov. Det betyder, at vi hjælper med at finde og sammensætte det helt rigtige kursusindhold og den helt rigtige form. Kurset kan afvikles hos os eller kunden, standard eller virtuelt.

Målgruppe:

Individuals involved in extending the enterprise network to cloud providers.

Agenda:

- **After completing this course you should be able to:**

- Describe the fundamental components and concepts of cloud computing, including deployment models, cloud services, and cloud providers, to provide learners with a comprehensive overview of the subject

- Describe the options available for establishing connectivity to public cloud services, including point-to-point IPsec VPN and various Cisco Catalyst SD-WAN Cloud OnRamp deployment options

- Describe private connectivity options to public cloud provider infrastructure

- Describe the available options for connectivity to SaaS applications from a geographically distributed organization's premises

- Describe various cloud connectivity options and explore high availability, resiliency, and scalability capabilities with Cisco cloud connectivity

- Introduce overlay routing

- Introduce the Cisco Catalyst SD-WAN capabilities for internet-based public cloud connectivity

- Describe Cisco SD-WAN native and cloud security capabilities

- Introduce the Cloud OnRamp for SaaS

- Introduce the Catalyst Cisco SD-WAN Policies

- Introduce AppQoE

- Describe how to diagnose and troubleshoot common issues for connectivity to public cloud environments using internet-based connectivity

- Troubleshoot OSPF, BGP, route redistribution, and static routes deployed in cloud environments

- Describe Cisco SD-WAN and connectivity to public cloud providers

- Describe and explore public cloud security and its components comprehensively

- Describe regulatory compliance requirements

- Explain the available options and describe the procedures for implementing IPsec-driven internet-based public cloud connectivity

Forudsætninger:

Attendees should meet the following prerequisites:

- Good understanding of enterprise routing
- Good understanding of WAN networking
- Good understanding of VPN technology
- Good understanding of Cisco Catalyst SD-WAN
- Good understanding of Public Cloud services. such as AWS, Microsoft Azure and Google Cloud Platform.
- CCNA - Implementing and Administering Cisco Solutions
- ENCOR - Implementing and Operating Cisco Enterprise Network Core Technologies
- SDWFND - Cisco SD-WAN Operation and Deployment
- SDWSCS - Implementing Cisco SD-WAN Security and Cloud Solutions

Test og certificering

Recommended as preparation for the following exam:

- 300-440 ENCC - Designing and Implementing Cloud Connectivity

Indhold:

Security
- Discovery Lab 7: Implement Cloud OnRamp for SaaS withn AppQoE
- Discovery Lab 8: Troubleshoot Underlay Connectivity
- Discovery Lab 9: Troubleshoot Overlay Routing
- Discovery Lab 10: Diagnose Cloud OnRamp for Multicloud

Flere Informationer:

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

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