

kod szkolenia: ENCC / PL DL 4d

Designing and Implementing Cloud Connectivity



The Designing and Implementing Cloud Connectivity training helps you develop the skills required to design and implement enterprise cloud connectivity solutions. You will learn how to leverage both private and public internet-based connectivity to extend the enterprise network to cloud providers. You will 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. You will learn to 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, you will practice troubleshooting cloud connectivity issues relating to IPsec, SD-WAN, routing, application performance, and policy application.

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.

Szkolenie autoryzowane Cisco. Płać punktami CLC:

Cisco Learning Credits accepted : 33 Credits per Class

Szczegóły i zapisy na stronie dostawcy:

<https://learninglocator.cloudapps.cisco.com/#/home>

Program **Cisco Continuing Education** to elastyczna oferta dedykowana dla wszystkich aktywnych osób posiadających certyfikaty na poziomie Associate, Specialist, Professional i Expert.

Dowiedz się więcej, jak możesz recertyfikować się w ramach CE, aby zachować aktywny status certyfikacji.

[Cisco Continuing Education Program - CE](#)

Uczestnictwo w autoryzowanym szkoleniu pozwala Ci uzyskać dodatkowe punkty potrzebne do utrzymania certyfikacji.

ENCC: 32 punków CE



Odbiorcy szkolenia

- Cloud Architects
- Cloud Administrators
- Cloud Engineers
- Cloud Network Engineers
- Cloud Automation Engineers
- Cloud Systems Engineers
- Security Analysts
- Cloud Security Managers
- Cloud Consultants
- Cloud Application Developers
- Systems Engineers
- Technical Solutions Architect



Korzyści

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
- Earn 32 CE credits toward recertification



Program szkolenia

Outline

- Public Cloud Fundamentals
- Internet-Based Connectivity to Public Cloud
- Private Connectivity to Public Cloud
- SaaS Connectivity
- Resilient and Scalable Public Cloud Connectivity
- Cloud-Native Security Policies
- Regulatory Compliance Requirements
- Internet-Based Public Cloud Connectivity
- Overlay Routing Deployment
- Cisco SD-WAN Internet-Based Cloud Connectivity
- Cisco SD-WAN Cloud Security
- Cloud OnRamp for SaaS
- Cisco SD-WAN Policies
- Application Quality of Experience
- Internet-Based Public Cloud Connectivity Diagnostics
- Overlay Routing Diagnostics
- Cisco SD-WAN Public Cloud Connectivity Diagnostics

Lab outline

- Initial Lab Network Exploration
- Implement IPsec Connectivity to Public Cloud Gateways
- Implement IPsec Connectivity to Cloud-Hosted Cisco IOS-XE Routers
- Implement Overlay Routing
- Deploy Cloud OnRamp for Multicloud
- Deploy Umbrella Cloud Security
- Implement Cloud OnRamp for SaaS
- Troubleshoot Underlay Connectivity
- Troubleshoot Overlay Routing
- Diagnose Cloud OnRamp for Multicloud



Oczekiwane przygotowanie uczestnika

The knowledge and skills you are expected to have before attending this training are:

- Basic understanding of enterprise routing
- Basic understanding of WAN networking
- Basic understanding of VPN technology
- Basic understanding of Cisco Catalyst SD-WAN
- Basic understanding of Public Cloud services

These skills can be found in the following Cisco Learning Offerings:

- Implementing and Administering Cisco Solutions 2.0
- Implementing and Operating Cisco Enterprise Network Core Technologies 1.3
- Cisco SD-WAN Fundamentals 2.0
- Implementing Cisco SD-WAN Security and Cloud Solutions 1.1



Szkolenie obejmuje

- 4 days with instructor training and 3 days of self-study
- Trainer's supervision
- Contact with community
- Coursebook
- Lab environment

Training method

- lecture
- workshops



Język

- Training: Polish
- Materials: English

Czas trwania

4 dni / 28 godzin

Opis egzaminu

300-440 ENCC: Designing and Implementing Cloud Connectivity is a 90-minute exam associated with the Cisco Certified Specialist-Enterprise Cloud Connectivity certification and satisfies the concentration exam requirement for the CCNP Enterprise certification.

The multiple-choice format tests your knowledge of designing and implementing cloud connectivity, including:

- Architecture models
- IPsec
- SD-WAN
- Operation
- Design