kod szkolenia: SDWFND / e-learning

Active Digital Learning - Implementing Cisco SD-WAN Operation and Deplayment v 3.0

Cisco - Active Digital Learning

The **Cisco Catalyst SD-WAN Operation and Deployment (SDWFND) Learning Path** provides foundational concepts, business drivers, and an architectural vision of Cisco Catalyst software-defined wide area network (SD-WAN), demonstrating how its core principles enable agile, secure, and cloud-ready WAN solutions to meet modern business demands.

Access Duration: 180 days

Continuing Education Credits: 14

Training recipients

Who Should Enroll

- Enterprise network system installers
- System integrators
- System administrators
- Network administrators
- Solutions designers

Benefits

Skills You'll Learn

- Understand foundational concepts, business drivers, and architectural vision of Cisco Catalyst SD-WAN to address modern WAN challenges
- Perform secure controller and WAN Edge onboarding using zero-trust principles and implement secure data plane operations with IPsec and segmentation
- Configure and verify Overlay Management Protocol (OMP)-based overlay routing, including route advertisement, redistribution, and network segmentation
- Manage device configurations using Configuration Groups, Feature Profiles, Device Templates, and automation workflows for scalable deployment
- Design and apply centralized and localized policies, including Quality of Service (QoS) and Application Quality of Experience (AppQoE), and implement Direct Internet Access (DIA) and cloud optimization features

Training program

Learning Path Objectives

1. **Cisco Catalyst SD-WAN Foundations & Core Architecture:** Examine why traditional WANs fall short and how Cisco Catalyst SD-WAN enables agile, secure, and cloud-ready network architectures.
2. **Secure Deployment, Onboarding, and Segmentation:** Explore the secure onboarding of WAN Edge devices using zero-trust principles, authentication, ZTP, and robust Layer 3 segmentation.
3. **Operations, Overlay Routing, and Configuration Management:** Learn how to automate configurations for optimal network performance and manage overlays with OMP.
4. **Cisco Catalyst SD-WAN Policy and Advanced Optimization:** Discover advanced SD-WAN capabilities to define policies, enhance application experiences, and intelligently manage internet and cloud traffic for your organization.

Expected preparation of the participant

Before taking this course, you should have the following knowledge and skills:

- Strong understanding of enterprise WAN design
- Strong understanding of routing protocol operation, including interior and exterior routing protocol operation
- Familiarity with Transport Layer Security (TLS) and IP Security (IPsec)

These recommended Cisco learning offerings may help students meet these prerequisites:

- **Implementing and Administering Cisco Solutions (CCNA)**
- **Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)**

Training Includes

- Labs
- Assessments
- Courses

Czas trwania

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Language

Language: English
Materials: English