Cisco SDWAN Fundamentals (SDWFND)

ID SDWFND   **Preis** CHF 2'890.– (exkl. MwSt.)   **Dauer** 2 Tage

Zielgruppe

- Network Engineers
- Network Architects
- Network Designers
- Network Administrators
- Solutions Architects
- Consulting Systems Engineers
- Technical Solutions Architects
- Cisco Integrators/Partners
- Security Engineers
- Network Managers
- Program Managers
- Project Managers
- IT Directors/Chief Information Officers (CIOs)

Voraussetzungen

There are no formal prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

- Familiarity with traditional WAN technologies such as MPLS and internet circuits
- Working knowledge of Cisco IOS networking and concepts, including Open Shortest Path First (OSPF) routing and IPsec tunnels
- Basic understanding of network security concepts and familiarity with operating system interfaces (CLI/GUI) for device interaction

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

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

Kursziele

- Discuss why traditional WANs struggle with modern demands and explain how Cisco Catalyst SD-WAN's architecture and core principles address those challenges
- Identify the main Cisco Catalyst SD-WAN components and

explain how their roles and interactions support the overall solution
- Explain and perform secure controller and WAN Edge onboarding using zero-trust principles (ZTP) and secure control channels
- Implement and verify secure data plan operations using IPsec, segmentation, bidirectional forwarding detection (BFD)-based path monitoring, app visibility, and site redundancy
- Configure and verify Overlay Management Protocol (OMP)-based overlay routing, including route advertisement, redistribution, and network segmentation
- Manage Cisco Catalyst SD-WAN device configurations using Configuration Groups, Feature Profiles, Device Templates, and automation workflows for scalable, consistent deployment
- Navigate SD-WAN Manager monitoring dashboards and interpret key metrics and alarms for troubleshooting and operational visibility
- Design and apply centralized and localized policies, including Quality of Service (QoS) and Application Quality of Experience (AppQoE), to control and prioritize traffic across the SD-WAN fabric
- Implement Direct Internet Access (DIA) and cloud optimization features to enhance application experience, traffic flow, and branch security in Cisco Catalyst SD-WAN

Weltweite Trainingscenter
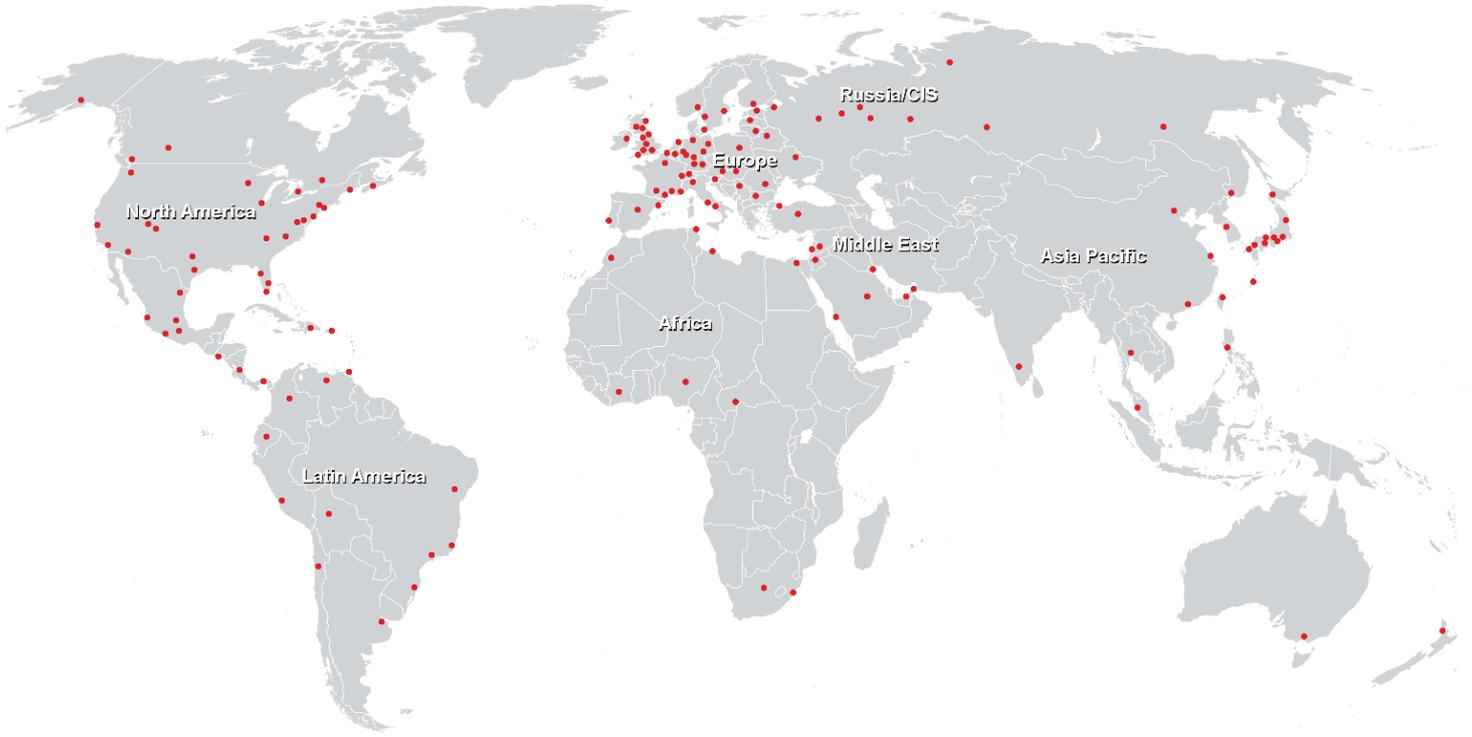
Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

info@flane.ch, https://www.flane.ch