

# Operating and Implementing Cisco WAN Automation Engine (SPWAE)

**ID SPWAE** Preis 3.390,- € (exkl. MwSt.) **Dauer 3 Tage**

## Kursüberblick

The Operating and Implementing Cisco WAN Automation Engine (SPWAE) v1.0 course teaches you, through a combination of lectures and labs, how to install the Cisco® WAN Automation Engine (WAE), builds your confidence with Cisco WAE configuration and basic troubleshooting, and enables you to practice designing and managing bandwidth and traffic engineering.

## Zielgruppe

This course is designed for:

- System installers
- System integrators
- System administrators
- Network administrators
- Solutions designers

## Voraussetzungen

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

- Knowledge of general networking and routing concepts
- Basic knowledge of routing protocols: Open Shortest Path First (OSPF), Intermediate System-to-Intermediate System (IS-IS), Border Gateway Protocol (BGP)
- Understanding of Cisco Multiprotocol Label Switching Traffic Engineering (MPLS TE) technologies
- Understanding of Segment Routing Traffic Engineering (SR-TE) technologies
- Basic knowledge of Linux server operation and Linux tools
- Basic understanding of network automation and Software-Defined Networking (SDN) concepts

These are the recommended Cisco offerings that may help you meet these prerequisites:

- [Implementing and Administering Cisco Solutions \(CCNA\) v2.1](#)
- [Implementing and Operating Cisco Service Provider Network Core Technologies \(SPCOR\)](#)
- [Implementing Segment Routing on Cisco IOS XR \(SEGRTE201\)](#)

## Kursziele

This course will help you:

- Learn to install Cisco WAN Automation Engine
- Gain confidence with Cisco WAE configuration and basic troubleshooting
- Practice designing and managing bandwidth and traffic engineering

## After taking this course, you should be able to:

- Explain WAE basics, the purpose of WAE, and its capabilities
- Understand the Cisco WAE solution implementation
- Describe the network module configuration process
- Describe WAE Design software tools, demands creation, BGP modeling, and Failure and Simulation analysis
- Describe Cisco WAE Design traffic engineering and QoS modeling
- Explain how to use API with WAE Design and WAE Server
- Describe the function, components, and processes of Cisco WAE Live

## Detaillierter Kursinhalt

- WAE Solution and Architecture Overview
- Implementing a Cisco WAE Solution
- Network Model Configuration
- WAE Design Fundamentals
- Cisco WAE Design Traffic Engineering and Optimization
- Introducing Cisco WAE API
- Cisco WAE Live Deployment

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## Trainingsmethoden

- ✓ Klassenraumtraining
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