

SPWAE (OPERATING AND IMPLEMENTING CISCO WAN AUTOMATION ENGINE) 1.0

Objetivo

Upon completing this course you will be able to:

- Understand 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

Público Alvo

• Network architects
• Network engineers
• Network consulting engineers
• Customer support engineers

Pré-Requisitos

To fully benefit from this course, you should have:

- Knowledge of general networking concepts
- Experience working with CLI-based network devices

Carga Horária

24 horas (3 dias).

Conteúdo Programático

Course Introduction

Objectives

WAE Solution and Architecture Overview

- 1.1 Introduction
- 1.2 Examining WAE
- 1.3 Examining WAE Architecture and Design
- 1.4 WAE Operation
- 1.5 WAE Interfaces
- 1.6 Examining WAE Applications and Use Cases

Implementing Cisco WAE Solution

- 2.1 Introduction
- 2.2 Planning Cisco WAE Deployment
- 2.3 Deploying Cisco WAE
- 2.4 Cisco WAE User Interface

- 2.5 Installing Cisco WAE Applications
- 2.6 Licensing
- 2.7 Uninstalling Cisco WAE Components
- 2.8 Lab Topology
- 2.9 Lab 1: Start with Cisco WAE

Network Model Configuration

- 3.1 Introduction
- 3.2 Describing the Collection Process
- 3.3 Describing Network Interface Modules
- 3.4 Creating Network Models
- 3.5 Basic Model Configuration
- 3.6 Lab 2: Cisco WAE Server Setup and Collector Configuration

Cisco WAE Design Fundamentals

- 4.1 Introduction
- 4.2 Getting Started with Cisco WAE Design
- 4.3 Lab 3: Get Started with Cisco WAE Design
- 4.4 Describing Demands and Traffic Tools
- 4.5 Lab 4: Describe Traffic with Demands
- 4.6 Describing Failures and Simulation Analysis
- 4.7 Lab 5: Failures and Simulation Analysis
- 4.8 Modeling IGP and BGP

Cisco WAE Design Traffic Engineering and Optimization

- 5.1 Introduction
- 5.2 Engineering Traffic by Using Metrics
- 5.3 Engineering Traffic by Using SR-TE
- 5.4 Lab 6: Engineer Traffic Using Metrics and SR-TE
- 5.5 Engineering Traffic by Using Latency Constraints
- 5.6 Modeling QoS

Introducing Cisco WAE API

- 6.1 Introduction
- 6.2 Introducing Cisco WAE Design RPC API
- 6.3 Introducing Cisco WAE OPM API
- 6.4 Lab 7: Cisco WAE Design RPC API

Cisco WAE Live Deployment

- 7.1 Introduction
- 7.2 Describing the Components of Cisco WAE Live
- 7.3 Configuring Cisco WAE Live
- 7.4 Cisco WAE Live Features Overview
- 7.5 Lab 8: Configure Cisco WAE Live