SETC Training Corporate Logo

Cisco Training: Troubleshooting & Diagnostics (CSCTS, 4 jours)

Description

The course Troubleshooting & Diagnostics (Cisco Training) focuses on troubleshooting in an enterprise Cisco environment. The training includes core networks (IPv4 and IPv6), switching, routing, network services, network applications, security and malware. This comprehensive troubleshooting course also discusses effective troubleshooting methods that will allow you to remain cool under fire when your corporate network is in trouble.

Tarifs

- Tarification: $3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Troubleshooting Skills and Methods

- About Proactive versus Reactive Problem Management
- Applying Concrete Troubleshooting Methods
- Creating and Executing Support Procedures
- Identifying the Symptoms
- Categorizing the Incident/Problem
- Prioritizing the Incident/Problem
- Concrete Techniques for Identifying the Cause
- Identifying and Testing the Solution
- Applying the Changes
- The Importance of Preventing Recurrence
- The Art of Not Making things Worse
- The Art of Zen in a War Zone

Maintenance and Troubleshooting with Essential Tools

- Overview of Available Commands
- Using the show command to Full Effect
- Testing Network Connectivity Intelligently with ping and telnet
- Collecting and Using Real-Time Information
- Checking Hardware Function
- Using Traffic Capture Tools : Wireshark and More
- Using SNMP and Related Tools
- Uisng NetFlow and other Related Tools
- Enabling Event Notification

Troubleshooting the Basic Network

- Overview of Relevant Concepts and Commands
- Troubleshooting IPv4 Connectivity
- Troubleshooting IPv6 Connectivity
- Troubleshooting the Logical Network: Subnets and VLANs
- Troubleshooting Layer 2 Switching
- Troubleshooting Layer 3 Switching
- Troubleshooting Spanning Tree Operations

Troubleshooting Routing

- Overview of Relevant Concepts and Commands

Troubleshooting RIP and RIPng: Split Horizon and More
Troubleshooting EIGRP
Troubleshooting OSPF
Troubleshooting Route Redistribution
Troubleshooting BGP
Troubleshooting Network Services
Overview of Relevant Concepts and Commands
Troubleshooting Port Forwarding Issues
Troubleshooting NAT/PAT
Troubleshooting DNS
Troubleshooting DHCP\
Focus on IPv6 Coexistence
Troubleshooting Network Performance
Overview of Relevant Concepts and Commands
Diagnosing Network Performance Issues: Proposed Methodology
Troubleshooting Service Performance
Troubleshooting Switch Performance
Troubleshooting Router Performance
Troubleshooting Client Performance
Troubleshooting Converged Networks
Overview of Relevant Concepts and Commands
About Converged Network Elements
Troubleshooting Wireless Networks
Troubleshooting WLAN Connectivity Issues
Troubleshooting VOIP Implementations
Troubleshooting Video Issues
Troubleshooting Security
Overview of Relevant Concepts and Commands
Troubleshooting Firewalls and Public Facing Elements
Troubleshooting Cryptographic Components
Troubleshooting Remote Access Components
Identifying and Managing Attacks
Preventing Attacks
A Complete Troubleshooting Lab