

Cisco Routing & Switching

TSHOOT Training



Troubleshooting and Maintaining Cisco IP Networks

Duration: 5 days

Price: € 2.250,00 excl. VAT

Who should attend?

- Channel Partner / Reseller, Customer, Employee

Pre-requisites:

Prior to attending this course students should have the knowledge of and experience with the implementation and verification of enterprise routing and switching technologies as offered by the Implementing Cisco Switched Networks (SWITCH) v2.0 and Implementing Cisco IP Routing (ROUTE) v2.0 courses or equivalent skills and knowledge. This includes knowledge and experience of the following technologies:

- Layer 2 switching
- VLANs, VLAN access control lists, port security
- Switch security issues
- Link aggregation protocols
- Spanning Tree Protocol (STP)
- Inter-VLAN routing solutions
- First Hop Redundancy Protocols (FHRPs) - HSRP, VRRP, and GLBP
- Branch office operations
- Enhanced Interior Gateway Routing Protocol (EIGRP)
- Open Shortest Path First (OSPF)
- Layer 3 path control
- Redistribution
- Internal and External Border Gateway Protocol (BGP)
- IPv6 Networking

Certification:

This course is part of the CCNP (Cisco Certified Network Professional) certification.

- Troubleshooting and Maintaining Cisco IP Networks (EXAM 300-135)



Course Objectives

Upon completing this course, the learner will be able to meet these overall objectives:

- Plan and document the most commonly performed maintenance functions in complex networks
- Develop a troubleshooting process to identify and resolve problems in complex enterprise networks
- Select tools that best support specific troubleshooting and maintenance processes in large, complex enterprise networks
- Practice maintenance procedures and fault resolution in switching-based environments and routing-based networks in a secure infrastructure
- Troubleshoot and maintain integrated, complex enterprise networks

Course Content

Troubleshooting and Maintaining Cisco IP Networks (TSHOOT) v2.0 is a five-day course designed to help network professionals hone the skills and knowledge needed to maintain their network and to diagnose and resolve network problems quickly and effectively. It also assists the network professional in preparing for Cisco CCNP certification. The TSHOOT course is a component of the CCNP curriculum.

The TSHOOT course is designed to teach professionals that work in complex network environments the necessary skills to maintain their networks and to diagnose and resolve network problems quickly and effectively. The course will provide information about troubleshooting and maintaining particular technologies, as well as procedural and organizational aspects of the troubleshooting and maintenance process. A large part of the training will consist of practicing these skills and reinforcing the concepts by putting them to use in a controlled environment. At the end of the course, the learners will have increased their skill level and developed a set of best practices based on their own and other learners' experiences that they can take back to their organizations.

Course Outline

- Module 1: Tools and Methodologies of Troubleshooting
- Module 2: Troubleshooting Day 1: SECHNIK Networking Ltd.
- Module 3: Troubleshooting Day 2: TINC Garbage Disposal Ltd.
- Module 4: Troubleshooting Day 3: PILE Forensic Accounting Ltd.
- Module 5: Troubleshooting Day 4: Bank of POLONA Ltd.
- Module 6: Troubleshooting: RADULKO Transport Ltd.