

CI - TSHOOT

Troubleshooting and Maintaining Cisco IP Networks

Summary

Duration

5 Days

Vendor

Cisco

Category

R&S - CCNP



Introduction

The course is designed to teach professionals who work in complex network environments the skills that they need 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 students will have increased their skill level and developed a set of best practices that are based on their own experience and the experiences of other students and that they can take back to their organizations.

The authorized student material, that each Torque IT student receives, includes more than nine hours of e-learning content that stresses core learning objectives covered in the associated certification exam. These self-paced lessons, demos, and assessments can be absorbed by candidates after the class and at their own pace.

Prerequisites

- CCNA
- Knowledge of and experience with the implementation and verification of enterprise routing and switching technologies as offered by the Implementing Cisco Switched Networks (SWITCH) and Implementing Cisco IP Routing (ROUTE) courses.

Course Objectives

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

- Plan and document the most commonly performed maintenance functions in complex enterprise 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
- Practice maintenance procedures and fault resolution in routing-based environments
- Practice maintenance procedures and fault resolution in a secure infrastructure
- Troubleshoot and maintain integrated, complex enterprise networks

Course Outline

- Curriculum Overview
- Planning Maintenance for Complex Networks
- Selecting Maintenance and Troubleshooting Tools and Applications
- Planning Troubleshooting Processes for Complex Enterprise Networks
- Maintaining and Troubleshooting Campus Switching-Based Problems
- Maintaining and Troubleshooting Routing Based Solutions
- Maintaining and Troubleshooting Network Security Solutions
- Maintaining and Troubleshooting Integrated, Complex Enterprise Networks
- E-Learning TSHOOT-01: Troubleshooting Performance Problems on Switches
- E-Learning TSHOOT-02: Troubleshooting Wireless Connectivity
- E-Learning TSHOOT-03: Troubleshooting Voice over IP
- E-Learning TSHOOT-04: Troubleshooting Video
- E-Learning TSHOOT-05: Troubleshooting Multicast
- E-Learning TSHOOT-06: Troubleshooting NAT and PAT
- E-Learning TSHOOT-07: Troubleshooting DHCP
- E-Learning TSHOOT-08: Troubleshooting IPv6, OSPFv3, and RIPng

Associated Certifications & Exams

Troubleshooting and Maintaining Cisco IP Switched Networks (TSHOOT 642-832) is a qualifying exam for the Cisco Certified Network Professional CCNP®, certification.

On successful completion of this course students will receive a Torque IT attendance certificate.