

Troubleshooting and Maintaining Cisco IP Networks (TSHOOT)

Learn via: **Classroom / Virtual Classroom**

Duration: **5 Days**

Overview

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 delegates will have increased their skill level and developed a set of best practices based on their own and other delegates' experiences that they can take back to their organizations.

This course aligns to Exam 300-135 (TSHOOT)

Prerequisites

- Cisco CCNA® certification
- Knowledge and experience of the implementation and verification of enterprise routing and switching technologies as offered by the Implementing Cisco IP Routing Version 1.0 or 2.0 (ROUTE) and Implementing Cisco IP Switched Networks Version 1.0 or 2.0 (SWITCH) courses or equivalent skills and knowledge

Please Note: In addition to CCNA certification it is recommended that the learner has practical experience in installing, operating and maintaining Cisco routers and switches in an enterprise environment.

Who Should Attend

The primary audience for this course is:

- Network professionals who want to increase their skill level at maintaining and troubleshooting complex Cisco IP networks. The typical job roles for this type of professional are network engineers, network operations center (NOC) technical support personnel, or help desk technicians

The secondary audience for this course is:

- Any individual involved in network maintenance and support

What You Will Learn

- Describe the troubleshooting tools and methodologies that are used to identify and resolve issues in 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

Outline

Tools and Methodologies of Troubleshooting

- Describing Troubleshooting Methodologies
- Using Troubleshooting Procedures
- Following Recommended Practices During Routine Network Maintenance
- Using Basic IOS Troubleshooting Tools
- Using Specialized Troubleshooting Tools

Troubleshooting at SECHNIK Networking Ltd.

- Challenge Lab 1: First Troubleshooting at SECHNIK Networking Ltd
- Debrief of the First Troubleshooting at SECHNIK Networking Ltd
- Challenge Lab 2: Second Troubleshooting at SECHNIK Networking Ltd
- Debrief of the Second Troubleshooting at SECHNIK Networking Ltd
- Challenge Lab 3: Third Troubleshooting at SECHNIK Networking Ltd
- Debrief of the Third Troubleshooting at SECHNIK Networking Ltd

Troubleshooting at TINC Garbage Disposal Ltd

- Challenge Lab 4: First Troubleshooting at TINC Garbage Disposal Ltd
- Debrief of the First Troubleshooting at TINC Garbage Disposal Ltd
- Challenge Lab 5: Second Troubleshooting TINC Garbage Disposal Ltd
- Debrief of the Second Troubleshooting at TINC Garbage Disposal Ltd
- Challenge Lab 6: Third Troubleshooting at TINC Garbage Disposal Ltd
- Debrief of the Third Troubleshooting at TINC Garbage Disposal Ltd
- Challenge Lab 7: Fourth Troubleshooting at TINC Garbage Disposal Ltd
- Debrief of the Fourth Troubleshooting at TINC Garbage Disposal Ltd

Troubleshooting at PILE Forensic Accounting Ltd

- Challenge Lab 8: First Troubleshooting at PILE Forensic Accounting Ltd
- Debrief of the First Troubleshooting at PILE Forensic Accounting Ltd
- Challenge Lab 9: Second Troubleshooting at PILE Forensic Accounting Ltd
- Debrief of the Second Troubleshooting at PILE Forensic Accounting Ltd
- Challenge Lab 10: Third Troubleshooting at PILE Forensic Accounting Ltd
- Debrief of the Third Troubleshooting at PILE Forensic Accounting Ltd
- Challenge Lab 11: Fourth Troubleshooting at PILE Forensic Accounting Ltd
- Debrief of the Fourth Troubleshooting at PILE Forensic Accounting Ltd
- Challenge Lab 12: Fifth Troubleshooting at PILE Forensic Accounting Ltd
- Debrief of the Fifth Troubleshooting at PILE Forensic Accounting Ltd

Troubleshooting at Bank of POLONA Ltd

- Challenge Lab 13: First Troubleshooting at Bank of POLONA Ltd
- Debrief of the First Troubleshooting at Bank of POLONA Ltd
- Challenge Lab 14: Second Troubleshooting at Bank of POLONA Ltd
- Debrief of the Second Troubleshooting at Bank of POLONA Ltd
- Challenge Lab 15: Third Troubleshooting at Bank of POLONA Ltd
- Debrief of the Third Troubleshooting at Bank of POLONA Ltd
- Challenge Lab 16: Fourth Troubleshooting Bank of POLONA Ltd
- Debrief of the Fourth Troubleshooting at Bank of POLONA Ltd

Troubleshooting at RADULKO Transport Ltd

- Challenge Lab 17: First Troubleshooting at RADULKO Transport Ltd
- Debrief of the First Troubleshooting at RADULKO
- Transport Ltd Challenge Lab 18: Second Troubleshooting at RADULKO Transport Ltd
- Debrief of the Second Troubleshooting at RADULKO Transport Ltd
- Challenge Lab 19: Third Troubleshooting at RADULKO Transport Ltd
- Debrief of the Third Troubleshooting at RADULKO Transport Ltd
- Challenge Lab 20: Fourth Troubleshooting RADULKO Transport Ltd
- Debrief of the Fourth Troubleshooting at RADULKO Transport Ltd