
Troubleshooting and Maintaining Cisco IP Networks

Duration: 5 Days **Course Code: TSHOOT**

Overview:

This five day course is designed to provide professionals who work in complex network environments with 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, delegates will have increased their skill level and developed a set of best practices based on their own experiences and those of other delegates that they can then take back into their own organizations.

Target Audience:

This course is designed for: Network professionals who want to increase their skills at maintaining and troubleshooting complex Cisco IP networks. This course is required for those looking to achieve the Cisco CCNP® Certification

Objectives:

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

To gain the prerequisite skills and knowledge, Cisco strongly recommends the knowledge of the following courses:

- Valid CCNA (ICND1, ICND2 Or CCNABC)
 - ROUTE - Implementing Cisco IP Routing
 - SWITCH - Implementing Cisco Switched Networks
- Practical experience in installing, operating and maintaining Cisco routers & switches in an enterprise environment is recommended.

Testing and Certification

Recommended preparation for:

- 300-135 TSHOOT - Troubleshooting and Maintaining Cisco IP Networks
- This exam is required for those delegates wishing to achieve the Cisco Certified Network Professional for Routing and Switching Certification
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Content:

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

Further Information:

For More information, or to book your course, please call us on +254 713 027 191

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