



CCNP

Troubleshooting (TSHOOT)

Course Description

CCNP: Troubleshooting is one of three courses leading to the Cisco Certified Network Professional (CCNP®) designation. CCNP: Troubleshooting teaches students to monitor and maintain complex, enterprise routed and switched IP networks. Topics include planning and execution of regular network maintenance, as well as support and troubleshooting using technology-based processes and best practices, in a systematic and ITIL-compliant approach.

Prerequisites

Cisco CCNA® certified

Who should attend this course?

The course is appropriate for enterprise network engineers with at least one year of job experience who are ready to advance their skills and work independently on complex network solutions.

Certification Alignment

Part of the official CCNP curriculum, it covers the skills that are validated in the CCNP certification exam 642-832 TSHOOT.

Duration

5 days (full time)
9:00am – 5:30pm Monday to Friday

Outcome

Upon completion of this course, students will have performed tasks related to:

- 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 Solutions
- Troubleshooting Performance Problems on Switches
- Troubleshooting Wireless Connectivity; VoIP; Video & Multicast
- Maintaining and Troubleshooting Routing-Based Solutions
- Troubleshooting NAT and PAT; DHCP and IPv6, OSPFv3, and RIPng
- Maintaining and Troubleshooting Network Security Solutions
- Maintaining and Troubleshooting Network Application Services
- Troubleshooting Branch Office and Remote Worker Problems
- Maintaining and Troubleshooting Integrated, Complex Enterprise Networks

Course Content

The course consists of theory lessons and practical exercises that build your understanding of and experience in troubleshooting in complex, enterprise routed and switched IP networks.

Module 1: Planning Maintenance for Complex Networks

Module 2: Selecting Maintenance and Troubleshooting Tools and Applications

Module 3: Planning Troubleshooting Processes for Complex Enterprise Networks

Module 4: Maintaining and Troubleshooting Routing Based Solutions

Module 5: Maintaining and Troubleshooting Campus Switching Based Problems

Module 6: Maintaining and Troubleshooting Network Security Solutions

Module 7: Maintaining and Troubleshooting Network and Applications Services

Module 8: Troubleshooting Branch Office and Remote Worker Problems

Module 9: Maintaining and troubleshooting integrated, complex enterprise networks

For more information on all our courses please visit our website www.inspiredtraining.com.au and if you need to speak to one of our advisers email enquiries@inspiredtraining.com.au