



CCNP® Troubleshooting and Maintaining Cisco IP Switched Networks (TSHOOT)

(Exam Code : 642-832 TSHOOT)

Course Objective:

Troubleshooting and Maintaining Cisco IP Switched Networks (TSHOOT 642-832) is a qualifying exam for the Cisco Certified Network Professional CCNP®, certification. The TSHOOT 642-832 exam will certify that the successful candidate has important knowledge and skills necessary to (1) plan and perform regular maintenance on complex enterprise routed and switched networks and (2) use technology-based practices and a systematic ITIL-compliant approach to perform network troubleshooting.

Prerequisite:

Valid CCNA certification or any CCIE Certification can act as a prerequisite.

Certificate Of Attendance :

Certificate Of Attendance will be awarded to students completing the course achieving minimum 75% attendance.

Training Methodology & Materials:

- Practical hands-on sessions, 75% lab-based and 25% theory-based.
- Well-designed lab sessions to enhance further understanding of the courseware.
- Training conducted by Certified Cisco Instructors.
- Training uses Cisco Authorised Course Materials.

Training Duration:

Full-Time : 5days Time : 9.30am – 5.30pm
Part-Time : 10 sessions (twice a week) Time : 7.00pm – 10.00pm

DETAILED COURSE OUTLINE

Module 3 (NEW) : Troubleshooting and Maintaining Cisco IP Switched Networks (642-832 TSHOOT)

Maintain and monitor network performance

- Develop a plan to monitor and manage a network
- Perform network monitoring using IOS tools
- Perform routine IOS device maintenance
- Isolate sub-optimal internetwork operation at the correctly defined OSI Model layer

Troubleshoot Multi Protocol system networks

- Troubleshoot EIGRP
- Troubleshoot OSPF
- Troubleshoot eBGP
- Troubleshoot routing redistribution solution
- Troubleshoot a DHCP client and server solution
- Troubleshoot NAT
- Troubleshoot first hop redundancy protocols
- Troubleshoot IPv6 routing
- Troubleshoot IPv6 and IPv4 interoperability
- Troubleshoot switch-to-switch connectivity for the VLAN based solution
- Troubleshoot loop prevention for the VLAN based solution
- Troubleshoot Access Ports for the VLAN based solution
- Troubleshoot private VLANS
- Troubleshoot port security
- Troubleshoot general switch security
- Troubleshoot VACL and PACL
- Troubleshoot switch virtual interfaces (SVIs)
- Troubleshoot switch supervisor redundancy

Troubleshoot switch support of advanced services (i.e., Wireless, VOIP and Video)
Troubleshoot a VoIP support solution
Troubleshoot a video support solution
Troubleshoot Layer 3 Security
Troubleshoot issues related to ACLs used to secure access to Cisco routers
Troubleshoot configuration issues related to accessing the AAA server for authentication purposes
Troubleshoot security issues related to IOS services (i.e.,finger, NTP, HTTP, FTP, RCP etc.)

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IT Enabler Consultancy Pte Ltd

35 Selegie Road #09-06 Parklane Shopping Mall (188307) Email : customerservice@ienabler.com.sg



6333-4843