Troubleshooting and Maintaining Cisco IP Networks (TSHOOT) ? (642-832)

Product Overview] This course is part of the official Cisco CCNP® curriculum and covers the skills that are required for CCNP certification. Students will learn to monitor and maintain complex, enterprise routed and switched IP networks. Skills include the 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. Extensive labs emphasize hands-on learning and practice to reinforce troubleshooting techniques.   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. It is part of the official CCNP curriculum and covers the same skills that are validated in the CCNP certification exams. **Features and Benefits**] Cisco authorized training is developed by subject matter experts around the globe to align to the job tasks of professional-level network engineers. Authorized CCNP curriculum is delivered by certified instructors using a blend of lecture, labs, self-paced lessons, and assessments.   **Key Features Key Benefits**   Customer-centered design   Input from customers and partners ensures relevancy.   Job role focus   Curriculum aligns to tasks of network engineers.   Blended learning curriculum   Mix of classroom and self-paced lessons offers flexibility.   Extensive lab exercises   Hands-on practice strengthens skills.   End-of-module assessments   Review reinforces learning objectives.   Final capstone lab   Key topics integrated in complex network scenario.   Worldwide availability   Consistent curriculum in all regions.   Authorized Cisco Learning Partners   Certified instructors deliver Cisco approved content.   **Course Prerequisites**] - Cisco CCNA® certified **CCNP Certification**] CCNP validates the knowledge and skills that are required to plan, implement, secure, maintain, and troubleshoot converged enterprise networks. The requirements for CCNP were designed to reflect the responsibilities that are associated with roles such as network engineer, system engineer, network support engineer, network administrator, network consultant, or system integrator. **Product Specifications**]   Course Name: Troubleshooting and Maintaining Cisco IP Networks   This course replaces Implementing Secure Converged Wide Area   Networks (ISCW) and Optimizing Converged Cisco Networks (ONT).   Short Identifier: TSHOOT   Associated Certification: CCNP   Associated Exam: #642-832 TSHOOT, 120 minutes.   Available at all worldwide Pearson VUE testing centers   Duration: 5 days classroom or virtual classroom, plus 9.5 hours of e-learning Delivered by: Cisco Certified Learning Partners worldwide   Lab Exercises: 9 individual labs E-Learning: Self-paced lessons, demos, and assessments present core learning objectives covered in the TSHOOT certification exam.   Check with your Cisco Learning Partner for more information on system requirements for e-learning modules. Troubleshooting and Maintaining Cisco IP Networks is one of three courses that are recommended for CCNP candidates, along with Implementing Cisco IP Routing (ROUTE) and Implementing Cisco IP Switched Networks (SWITCH). **Course Outline Delivery Topic**   Classroom   Course Overview   Classroom   Planning Maintenance for Complex Networks   Classroom   Selecting Maintenance and Troubleshooting Tools and Applications   Classroom   Planning Troubleshooting Processes for Complex Enterprise Networks   Classroom   Maintaining and Troubleshooting Campus Switching-Based Solutions   E-Learning   Troubleshooting Performance Problems on Switches   E-Learning   Troubleshooting Wireless Connectivity   E-Learning   Troubleshooting VoIP   E-Learning Troubleshooting Video   E-Learning   Troubleshooting Multicast   Classroom   Maintaining and Troubleshooting Routing-Based Solutions   E-Learning   Troubleshooting NAT and PAT   E-Learning Troubleshooting DHCP   E-Learning   Troubleshooting IPv6, OSPFv3, and RIPng   Classroom Maintaining and Troubleshooting Network Security Solutions   E-Learning   Maintaining and Troubleshooting Network Application Services   E-Learing   Troubleshooting Branch Office and Remote Worker Problems   Classroom   Maintaining and Troubleshooting Integrated, Complex Enterprise Network