



Savers, Cram Quizzes, and chapter-ending practice questions that help you assess your knowledge and test your understanding; Notes that indicate areas of concern or specialty training; Tips to help you build a better foundation of knowledge and an extensive glossary of terms and acronyms. The book also contains the extremely useful Cram Sheet tear-out that represents a collection of the most difficult-to-remember facts and numbers you should memorize before taking the test. Complementing all these study tools is the powerful Pearson IT Certification Practice Test software, complete with hundreds of exam-realistic practice questions. This assessment software offers you a wealth of customization options and reporting features, allowing you to test your knowledge in study mode, practice exam mode, or flash card mode. Covers the critical information you'll need to know to score higher on your CCNA exam!

- Identify the protocols that operate at specific OSI layers
- Learn the details of custom subnetting with IPv4
- Understand and implement IPv6
- Connect, configure, and manage Cisco routers and switches
- Set up security for routers and switches
- Create VLANs and set up switch-to-switch trunk links
- Filter traffic from one network to another with access control lists (ACLs)
- Deploy Network Address Translation (NAT) and IOS router DHCP services
- Learn to predict and verify Spanning Tree Protocol (STP)
- Configure and verify OSPFv2, OSPFv3, and EIGRP
- Leverage redundancy protocols including HSRP and GLBP
- Implement WAN technologies including PPP, HDLC, and Frame Relay

Troubleshoot switches and routers, including routing protocols

Companion CD The companion CD contains a digital edition of the Cram Sheet and the powerful Pearson IT Certification Practice Test engine, complete with hundreds of exam-realistic questions. The assessment engine offers you a wealth of customization options and reporting features, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. Pearson IT Certification Practice Test minimum system requirements: Windows XP (SP3), Windows Vista (SP2), Windows 7, or Windows 8; Microsoft .NET Framework 4.0 Client; Pentium-class 1GHz processor (or equivalent); 512MB RAM; 650MB disk space plus 50MB for each downloaded practice exam; access to the Internet to register and download your practice exams

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