



# CCNP

## Routing and Switching

### Foundation Learning Guide Library

ROUTE 300-101, SWITCH 300-115, TSHOOT 300-135

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# Ccnp Foundation Learning Guide

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## **Ccnp Foundation Learning Guide:**

**Implementing Cisco IP Routing (ROUTE) Foundation Learning Guide** Diane Teare, Bob Vachon, Rick Graziani, 2015 This is a Cisco authorized self paced learning tool for CCNP preparation. This book teaches readers how to design, configure, maintain, and scale routed networks that are growing in size and complexity. The book covers all routing principles covered in the CCNP Implementing Cisco IP Routing course. This intermediate level text assumes that readers have been exposed to beginner level networking concepts contained in the CCNA ICND1 and ICND2 certification curriculum. No previous exposure to the CCNP level subject matter is required so the book provides a great deal of detail on the topics covered. **CCNP**

## **Routing and Switching Foundation Learning Guide Library** Diane Teare, Bob Vachon, Rick Graziani, Richard

Froom, Erum Frahim, Amir Ranjbar, 2015-04-28 CCNP Routing and Switching Foundation Learning Library ROUTE 300 101 SWITCH 300 115 TSHOOT 300 135 contains three books that provide early and comprehensive foundation learning for the three new required exams for CCNP certification. Implementing Cisco IP Routing ROUTE Foundation Learning Guide CCNP ROUTE 300 101 Implementing Cisco IP Switched Networks SWITCH Foundation Learning Guide CCNP SWITCH 300 115 Troubleshooting and Maintaining Cisco IP Networks TSHOOT Foundation Learning Guide CCNP TSHOOT 300 135. This package is a comprehensive self study tool for learning the material covered in the three new CCNP exams. The books are intermediate level texts that assume that readers have been exposed to beginner level networking concepts contained in the CCNA ICND1 and ICND2 certification curriculum. No previous exposure to the CCNP level subject matter is required so the books provide a great deal of detail on the topics covered. Within the Authorized Self Study Guide series each chapter opens with a list of objectives to help focus the reader's study. Real world case studies sprinkled throughout help illuminate theoretical concepts. Key terms will be highlighted and defined as they are first used. Each chapter will conclude with a summary to help review key concepts as well as review questions to reinforce the reader's understanding of what was covered. *Implementing Cisco IP Switched Networks (SWITCH) Foundation Learning Guide* Richard Froom, Erum

Frahim, 2015-04-20 Now fully updated for the new Cisco SWITCH 300 115 exam. Implementing Cisco IP Switched Networks SWITCH Foundation Learning Guide is your Cisco authorized learning tool for CCNP or CCDP preparation. Part of the Cisco Press Foundation Learning Series it teaches you how to plan, configure, verify, secure, and maintain complex enterprise switching solutions using Cisco Catalyst switches and Enterprise Campus Architecture. The authors show you how to build scalable multilayer switched networks, create and deploy global intranets, and perform basic troubleshooting in environments using Cisco multilayer switches for client hosts and services. They begin by reviewing basic switching concepts, network design, and campus network architecture. Next they present in depth coverage of spanning tree, inter-VLAN routing, first hop redundancy, network management, advanced switch features, high availability, and campus network security. Each chapter opens with a list of topics that clearly identify its focus. Each chapter ends with a summary of key concepts for quick study as

well as review questions to assess and reinforce your understanding. Throughout configuration examples and sample verification outputs illustrate critical issues in network operation and troubleshooting. This guide is ideal for all certification candidates who want to master all the topics covered on the SWITCH 300-115 exam. Serves as the official textbook for version 7 of the Cisco Networking Academy CCNP SWITCH course. Covers basic switching terminology and concepts and the unique features of Cisco Catalyst switch designs. Reviews campus network design including network structure, roles of Cisco Catalyst switches and differences between Layer 2 and multilayer switches. Introduces VLANs, VTP, Trunking and port channeling. Explains Spanning Tree Protocol configuration. Presents concepts and modern best practices for inter-VLAN routing. Covers first hop redundancy protocols used by Cisco Catalyst switches. Outlines a holistic approach to network management and Cisco Catalyst device security with AAA, NTP, 802.1x and SNMP. Describes how to use advanced features to improve campus network resiliency and availability. Shows how to establish switch physical redundancy using Stackwise VSS or redundant supervisors. Explains advanced security features.

### **CCNP Routing and Switching Foundation Learning**

**Library** Diane Teare, Richard Froom, Erum Frahim, Balaji Sivasubramanian, Amir Ranjbar, 2010-07-28. These foundation learning guides help you understand the topics on the three CCNP Routing and Switching exams: ROUTE (Internet Protocol IP routing protocol principles), Enhanced Interior Gateway Routing Protocol (EIGRP), Open Shortest Path First (OSPF), Border Gateway Protocol (BGP), IP Version 6 (IPv6), SWITCH (VLANs, trunks, VTP and STP), Inter-VLAN Routing, Multilayer switching, High availability and redundancy, Switch security fundamentals, TSHOOT (Troubleshooting wireless, unified communications and video issues), Maintaining and troubleshooting network security implementations, Cisco IOS software for maintenance and troubleshooting, Troubleshooting switched virtual interfaces, Inter-VLAN Routing and LAN switch operation. Troubleshooting OSPF, EIGRP, BGP and route redistribution. CCNP Routing and Switching Foundation Learning Library is a comprehensive foundation learning package for the three CCNP Routing and Switching exams: ROUTE, SWITCH and TSHOOT. The three books contained in this package: Implementing Cisco IP Routing (ROUTE Foundation Learning Guide), Implementing Cisco IP Switched Networks (SWITCH Foundation Learning Guide) and Troubleshooting and Maintaining Cisco IP Networks (TSHOOT Foundation Learning Guide). These authorized CCNP Foundation Learning guides are written by experts bringing years of teaching and consulting experience together in an ideal self-study format. Implementing Cisco IP Routing (ROUTE Foundation Learning Guide) teaches you how to select and implement the appropriate Cisco IOS services required to build a scalable routed network. Implementing Cisco IP Switched Networks (SWITCH Foundation Learning Guide) ensures that you have the skills to plan, configure and verify the implementation of complex enterprise switching solutions. Troubleshooting and Maintaining Cisco IP Networks (TSHOOT Foundation Learning Guide) helps you master planning tasks, performance measurements, configuring and verifying, and correct troubleshooting procedures and documentation tasks. Each of these official learning guides provides a list of topics covered to clearly identify

the focus of each chapter a summary of key concepts for quick study and review questions that provide you with an opportunity to assess and reinforce your understanding of the material CCNP Routing and Switching Foundation Learning Library is part of a recommended learning path from Cisco that includes simulation and hands on training from authorized Cisco Learning Partners and self study products from Cisco Press To find out more about instructor led training e learning and hands on instruction offered by authorized Cisco Learning Partners worldwide please visit [www.cisco.com/go/authorizedtraining](http://www.cisco.com/go/authorizedtraining)

**Implementing Cisco Ip Routing (Route) Foundation Learning Guide** Diane Teare, 1900 CCNP Authorized Self Study Guide Implementing Cisco IP Routing ROUTE is the only Cisco authorized self paced foundational learning tool designed to help network professionals prepare for the brand new CCNP ROUTE exam from Cisco This book covers all CCNP ROUTE exam objectives for mastering routed network construction support and scalability including Assessing complex enterprise network requirements and planning routing services Applying standards models and best practices to complex networks Creating and documenting routing implementation plans Planning configuring veri

**Troubleshooting and Maintaining Cisco IP Networks (TSHOOT)** Amir S. Ranjbar, 2014 Troubleshooting and Maintaining Cisco IP Networks TSHOOT Foundation Learning Guide is a Cisco authorized self paced learning tool for CCNP preparation This book educates network professionals on how to maintain and monitor network performance troubleshoot multi protocol system networks and troubleshoot Cisco device hardening issues *Implementing Cisco IP Routing (ROUTE) Foundation Learning Guide* Diane Teare, 2010-06-28 Implementing Cisco IP Routing ROUTE Foundation Learning Guide is a Cisco authorized learning tool for CCNP CCDP CCIP preparation As part of the Cisco Press Foundation Learning Series this book teaches you how to plan configure maintain and scale a routed network It focuses on using Cisco routers connected in LANs and WANs typically found at medium to large network sites After completing this book you will be able to select and implement the appropriate Cisco IOS services required to build a scalable routed network Each chapter opens with the list of topics covered to clearly identify the focus of that chapter At the end of each chapter a summary of key concepts for quick study and review questions provide you with an opportunity to assess and reinforce your understanding of the material Throughout the book there are many configuration examples and sample verification outputs demonstrating troubleshooting techniques and illustrating critical issues surrounding network operation Implementing Cisco IP Routing ROUTE Foundation Learning Guide is ideal for certification candidates who are seeking a tool to learn all the topics covered in the ROUTE 642 902 exam Serves as the official book for the Cisco Networking Academy CCNP ROUTE course Includes all the content from the e Learning portion of the Learning Cisco ROUTE course Provides a thorough presentation of complex enterprise network frameworks architectures and models and the process of creating documenting and executing an implementation plan Details Internet Protocol IP routing protocol principles Explores Enhanced Interior Gateway Routing Protocol EIGRP Open Shortest Path First OSPF and Border Gateway Protocol BGP Examines how to manipulate routing updates and control the information

passed between them Covers routing facilities for branch offices and mobile workers Investigates IP Version 6 IPv6 in detail Presents self assessment review questions chapter objectives and summaries to facilitate effective studying This book is in the Foundation Learning Guide Series These guides are developed together with Cisco as the only authorized self paced learning tools that help networking professionals build their understanding of networking concepts and prepare for Cisco certification exams **Troubleshooting and Maintaining Cisco IP Networks (TSHOOT) Foundation Learning Guide** Amir Ranjbar, 2010-03-26 Troubleshooting and Maintaining Cisco IP Networks TSHOOT Foundation Learning Guide is a Cisco authorized learning tool for CCNP preparation As part of the Cisco Press foundation learning series this book covers how to maintain and monitor complex enterprise networks The chapters focus on planning tasks evaluations of designs performance measurements configuring and verifying and correct troubleshooting procedures and documentation tasks From this book you will learn the foundational topics for critical analysis planning verification and documentation while configuring tasks would have been mastered in the CCNP ROUTE and CCNP SWITCH material The author walks you through several real world troubleshooting examples to help you refine your study in the art of troubleshooting Each chapter opens with the list of topics covered to clearly identify the focus of that chapter At the end of each chapter a summary of key concepts for quick study and review questions provide you with an opportunity to assess and reinforce your understanding of the material Throughout the book real world troubleshooting examples serve to illuminate theoretical concepts Troubleshooting and Maintaining Cisco IP Networks TSHOOT Foundation Learning Guide is ideal for certification candidates who are seeking a tool to learn all the topics covered in the CCNP TSHOOT 642 832 exam Serves as the official book for the Cisco Networking Academy CCNP TSHOOT course Provides a thorough presentation on maintenance and troubleshooting techniques for routers and switches in a complex enterprise network Covers troubleshooting wireless unified communications and video issues in converged networks Explains how to maintain and troubleshoot network security implementations Uses extensive troubleshooting examples and diagrams to solidify the topic explanations Presents self assessment review questions chapter objectives and summaries to facilitate effective studying This volume is in the Certification Self Study Series offered by Cisco Press Books in this series provide officially developed training solutions to help networking professionals understand technology implementations and prepare for the Cisco Career Certifications examinations **Implementing Cisco IP Telephony and Video, Part 2 (CIPTV2) Foundation Learning Guide (CCNP Collaboration Exam 300-075 CIPTV2)**

William Alexander Hannah, Akhil Behl, 2016-03-05 Now fully updated for Cisco's new CIPTV2 300-075 exam Implementing Cisco IP Telephony and Video Part 2 CIPTV2 Foundation Learning Guide is your Cisco authorized learning tool for CCNP Collaboration preparation Part of the Cisco Press Foundation Learning Series it teaches advanced skills for implementing a Cisco Unified Collaboration solution in a multisite environment The authors show how to implement Uniform Resource Identifier URI dialing globalized call routing Intercluster Lookup Service and Global Dial Plan Replication Cisco Service

Advertisement Framework and Call Control Discovery tail end hop off Cisco Unified Survivable Remote Site Telephony Enhanced Location Call Admission Control CAC and Automated Alternate Routing AAR and important mobility features They introduce each key challenge associated with Cisco Unified Communications UC multisite deployments and present solutions focused coverage of Cisco Video Communication Server VCS Control the Cisco Expressway Series and their interactions with Cisco Unified Communications Manager Each chapter opens with a topic list that clearly identifies its focus ends with a quick study summary of key concepts and presents review questions to assess and reinforce your understanding The authors present best practices based on Cisco Solutions Reference Network Designs and Cisco Validated Designs and illustrate operation and troubleshooting via configuration examples and sample verification outputs This guide is ideal for all certification candidates who want to master all the topics covered on the CIPTV2 300 075 exam Shows how to craft a multisite dial plan that scales allocates bandwidth appropriately and supports QoS Identifies common problems and proven solutions in multisite UC deployments Introduces best practice media architectures including remote conferencing and centralized transcoding Thoroughly reviews PSTN and intersite connectivity options Shows how to provide remote site telephony and branch redundancy Covers bandwidth reservation at UC application level with CAC Explains how to plan and deploy Cisco Device Mobility Extension Mobility and Unified Mobility Walks through deployment of Cisco Video Communication Server and Expressway series including user and endpoint provisioning Covers Cisco UCM and Cisco VCS interconnections Shows how to use Cisco UC Mobile and Remote Access Covers fallback methods for overcoming IP WAN failure Demonstrates NAT traversal for video and IM devices via VCS Expressway Introduces dynamic dial plan learning via GDPR SAD or CCD

**Troubleshooting and Maintaining Cisco IP Networks (TSHOOT)** Amir S. Ranjbar, 2010

Troubleshooting and Maintaining Cisco IP Networks TSHOOT Foundation Learning Guide is a Cisco authorized learning tool for CCNP preparation As part of the Cisco Press foundation learning series this book covers how to maintain and monitor complex enterprise networks The chapters focus on planning tasks evaluations of designs performance measurements configuring and verifying and correct troubleshooting procedures and documentation tasks From this book you will learn the foundational topics for critical analysis planning verification and documentation while configuring tasks would have been mastered in the CCNP ROUTE and CCNP SWITCH material The author walks you through several real world troubleshooting examples to help you refine your study in the art of troubleshooting Each chapter opens with the list of topics covered to clearly identify the focus of that chapter At the end of each chapter a summary of key concepts for quick study and review questions provide you with an opportunity to assess and reinforce your understanding of the material Throughout the book real world troubleshooting examples serve to illuminate theoretical concepts Troubleshooting and Maintaining Cisco IP Networks TSHOOT Foundation Learning Guide is ideal for certification candidates who are seeking a tool to learn all the topics covered in the CCNP TSHOOT 642 832 exam Serves as the official book for the Cisco Networking Academy CCNP

TSHOOT course Provides a thorough presentation on maintenance and troubleshooting techniques for routers and switches in a complex enterprise network Covers troubleshooting wireless unified communications and video issues in converged networks Explains how to maintain and troubleshoot network security implementations Uses extensive troubleshooting examples and diagrams to solidify the topic explanations Presents self assessment review questions chapter objectives and summaries to facilitate effective studying This volume is in the Certification Self Study Series offered by Cisco Press Books in this series provide officially developed training solutions to help networking professionals understand technology implementations and prepare for the Cisco Career Certifications examinations [Implementing Cisco IP Switched Networks \(SWITCH\) Foundation Learning Guide](#) Richard Froom,Balaji Sivasubramanian,Erum Frahim,2010 Foundation learning for SWITCH 642 813 P 1 cover [Implementing Cisco Unified Communications Manager, Part 2 \(CIPT2\) Foundation Learning Guide](#) Chris Olsen,2011-08-01 Implementing Cisco Unified Communications Manager Part 2 CIPT2 Second Edition is a Cisco authorized self paced learning tool for CCNP Voice foundation learning This book provides you with the knowledge needed to install and configure a Cisco Unified Communications Manager solution in a multisite environment By reading this book you will gain a thorough understanding of how to apply a dial plan for a multisite environment configure survivability for remote sites during WAN failure and implement solutions to reduce bandwidth requirements in the IP WAN This book focuses on Cisco Unified Communications Manager CUCM Release 8 x the call routing and signaling component for the Cisco Unified Communications solution The book has been fully updated and includes new coverage of topics such as Service Advertisement Framework SAF and Call Control Discovery CCD Whether you are preparing for CCNP Voice certification or simply want to gain a better understanding of deploying Cisco Unified Communications Manager in a multisite environment you will benefit from the foundation information presented in this book Implementing Cisco Unified Communications Manager Part 2 CIPT2 Second Edition is part of a recommended learning path from Cisco that includes simulation and hands on training from authorized Cisco Learning Partners and self study products from Cisco Press To find out more about instructor led training e learning and hands on instruction offered by authorized Cisco Learning Partners worldwide please visit [www.cisco.com/go/authorizedtraining](http://www.cisco.com/go/authorizedtraining) Chris Olsen CCVP and CCNP along with numerous other Cisco voice specializations Microsoft VMware and Novell certifications has been an independent IT and telephony consultant author and technical editor for more than 15 years He has been a technical trainer for more than 19 years and has taught more than 60 different courses in Cisco Microsoft VMware and Novell For the last seven years he has specialized in Cisco and recently Microsoft Unified Communications along with VMware virtualization and Cisco data center technologies He has done a wide array of IT and telephony consulting for many different companies Identify multisite issues and deployment solutions Implement multisite connections Apply dial plans for multisite deployments Examine remote site redundancy options Implement Survivable Remote Site Telephony SRST and Media Gateway Control Protocol MGCP Fallback Implement CUCM

Express in SRST mode Implement bandwidth management and call admission control CAC Configure device and extension mobility Apply Service Advertisement Framework SAF and Call Control Discovery CCD This volume is in the Foundation Learning Guide Series offered by Cisco Press These guides are developed together with Cisco as the only authorized self paced learning tools that help networking professionals build their understanding of networking concepts and prepare for Cisco certification exams [Implementing Cisco Collaboration Applications \(CAPPS\) Foundation Learning Guide \(CCNP Collaboration Exam 300-085 CAPPS\)](#) Chris Olsen, 2015-12-22 Now fully updated for the new Cisco CAPPS 300-085 exam Implementing Cisco Collaboration Applications CAPPS Foundation Learning Guide is your Cisco authorized learning tool for CCNP Collaboration preparation Part of the Cisco Press Foundation Learning Series it teaches advanced skills for designing deploying configuring and troubleshooting Cisco Collaboration and Unified Communications applications devices and networks Author Chris Olsen shows how to effectively use Cisco Unity Connection Cisco Unity Express Cisco Instant Message and Presence Cisco TelePresence Video Communication Server and Cisco TelePresence Management Suite in production environments He begins by introducing the server platforms and overlays that are the basis for all Cisco Unity Connection design and integration Next he presents in depth coverage of a wide range of essential tasks from user configuration to voicemail redundancy configuring Cisco Jabber Mobile to provisioning Cisco Prime Collaboration Each chapter opens with a list of topics that clearly identifies its focus Each chapter ends with a summary of key concepts for quick study as well as review questions to assess and reinforce your understanding Throughout configuration examples and sample verification outputs illustrate critical issues in network operation and troubleshooting Whether you are preparing for the CCNP Collaboration certification exams or you are just interested in learning about how to deploy and operate Cisco collaboration applications you will find this book to be an invaluable resource Shows how to integrate Cisco Unity Connection with Cisco Unified Communications Manager or other PBXs Covers configuring Cisco Unity Connection users templates service classes distribution lists security LDAP dial plans and call management Walks through Unified Messaging single Inbox configuration Shows how to design integrate and configure feature rich branch office messaging solutions with Cisco Unity Express Explains Cisco Unified IM and Presence components design integration deployment and feature configuration Covers Cisco Jabber and Cisco Jabber Mobile configuration Guides you through deploying Cisco Collaboration Systems Applications with Cisco Prime Collaboration Introduces Cisco TelePresence Management Suite Cisco TMS capabilities and scheduling options This book is in the Foundation Learning Guide Series These guides are developed together with Cisco as the only authorized self paced learning tools that help networking professionals build their understanding of networking concepts and prepare for Cisco certification exams [Ccnp Routing and Switching Foundation Learning Library](#) Diane Teare, Richard Froom, Erum Frahim, Amir Ranjbar, Rick Graziani, Bob Vachon, 2015-02-01 CCNP Routing and Switching Foundation Learning Guide Library is a comprehensive foundation learning package for the three CCNP Routing and Switching exams ROUTE SWITCH and

TSHOOT The three books contained in this package Implementing Cisco IP Routing ROUTE Foundation Learning Guide Implementing Cisco IP Switched Networks SWITCH Foundation Learning Guide and Troubleshooting and Maintaining Cisco IP Networks TSHOOT Foundation Learning Guide build your knowledge of CCNP Routing and Switching topics These authorized CCNP Foundation Learning Guides are written by experts bringing years of teaching and consulting experience together in an ideal self study format Implementing Cisco IP Routing ROUTE Foundation Learning Guide teaches you how to select and implement the appropriate Cisco IOS services required to build a scalable routed network Implementing Cisco IP Switched Networks SWITCH Foundation Learning Guide ensures that you have the skills to plan configure and verify the implementation of complex enterprise switching solutions Troubleshooting and Maintaining Cisco IP Networks TSHOOT Foundation Learning Guide helps you master planning tasks performance measurements configuring and verifying and correct troubleshooting procedures and documentation tasks Each of these official learning guides provides a list of topics covered to clearly identify the focus of each chapter a summary of key concepts for quick study and review questions that provide you with an opportunity to assess and reinforce your understanding of the material CCNP Routing and Switching Foundation Learning Guide Library is part of a recommended learning path from Cisco that includes simulation and hands on training from authorized Cisco Learning Partners and self study products from Cisco Press To find out more about instructor led training e learning and hands on instruction offered by authorized Cisco Learning Partners worldwide please visit <http://www.cisco.com/web/learning/index.html> These foundation learning guides help you understand the topics on the three CCNP Routing and Switching exams ROUTE Internet Protocol IP routing protocol principles Enhanced Interior Gateway Routing Protocol EIGRP Open Shortest Path First OSPF IP Version 6 IPv6 Border Gateway Protocol BGP SWITCH VLANs trunks VTP and STP Inter VLAN Routing Multilayer switching High availability and redundancy Switch security fundamentals TSHOOT Defines structured troubleshooting and reviews its subprocesses Shows how to integrate troubleshooting into day to day network maintenance processes Covers information gathering on Layer 2 switching and Layer 3 routing with IOS show and debug commands ping and telnet Introduces specialized tools for capturing traffic gathering information SNMP and NetFlow and receiving network event notifications EEM *Implementing Cisco Unified Communications Manager* Josh Finke, Dennis Hartmann, 2012 Rev ed of *Implementing Cisco Unified Communications Manager* authorized self study guide Dennis Hartmann Chris Olsen c2008 c2009 **Troubleshooting and Maintaining Cisco IP Networks (TSHOOT)** Amir S. Ranjbar, 2010 Serves as the official book for the CISCO Networking Academy CCNP TSHOOT course **Implementing Cisco IP Telephony and Video, Part 1 (CIPTV1) Foundation Learning Guide (CCNP Collaboration Exam 300-070 CIPTV1)** Akhil Behl, Joshua Finke, Berni Gardiner, 2016-09-16 This is Cisco's authorized foundation learning tool for the new Implementing Cisco IP Telephony and Video Part 1 CIPTV1 300-070 exam required for Cisco CCNP Collaboration certification It brings together essential knowledge for implementing a Cisco Unified Collaboration solution in a single site

environment Implementing Cisco IP Routing (ROUTE) Foundation Learning Guide Diane Teare,2010 Implementing Cisco IOS Network Security (IINS) Catherine Paquet,2012 Implementing Cisco IOS Network Security IINS Foundation Learning Guide Second Edition Foundation learning for the CCNA Security IINS 640 554 exam Implementing Cisco IOS Network Security IINS Foundation Learning Guide Second Edition is a Cisco authorized self paced learning tool for CCNA Security 640 554 foundation learning This book provides you with the knowledge needed to secure Cisco networks By reading this book you will gain a thorough understanding of how to develop a security infrastructure recognize threats and vulnerabilities to networks and mitigate security threats This book focuses on using Cisco IOS routers to protect the network by capitalizing on their advanced features as a perimeter router firewall intrusion prevention system and site to site VPN device The book also covers the use of Cisco Catalyst switches for basic network security the Cisco Secure Access Control System ACS and the Cisco Adaptive Security Appliance ASA You learn how to perform basic tasks to secure a small branch office network using Cisco IOS security features available through web based GUIs Cisco Configuration Professional and the CLI on Cisco routers switches and ASAs Whether you are preparing for CCNA Security certification or simply want to gain a better understanding of Cisco IOS security fundamentals you will benefit from the information provided in this book Implementing Cisco IOS Network Security IINS Foundation Learning Guide Second Edition is part of a recommended learning path from Cisco that includes simulation and hands on training from authorized Cisco Learning Partners and self study products from Cisco Press To find out more about instructor led training e learning and hands on instruction offered by authorized Cisco Learning Partners worldwide please visit [www.cisco.com/go/authorizedtraining](http://www.cisco.com/go/authorizedtraining) Develop a comprehensive network security policy to counter threats against information security Secure borderless networks Learn how to use Cisco IOS Network Foundation Protection NFP and Cisco Configuration Professional CCP Securely implement the management and reporting features of Cisco IOS devices Deploy Cisco Catalyst Switch security features Understand IPv6 security features Plan threat control strategies Filter traffic with access control lists Configure ASA and Cisco IOS zone based firewalls Implement intrusion prevention systems IPS and network address translation NAT Secure connectivity with site to site IPsec VPNs and remote access VPNs This volume is in the Foundation Learning Guide Series offered by Cisco Press These guides are developed together with Cisco as the only authorized self paced learning tools that help networking professionals build their understanding of networking concepts and prepare for Cisco certification exams Category Cisco Certification Covers CCNA Security IINS exam 640 554 **Fundamentals of Communications and Networking** Michael G. Solomon,2011-12-05 Networks have long been regarded as methods to connect resources While this is still the case today networks are required to support an increasing array of real time communication methods Video chat real time messaging and always connected resources put demands on networks that were previously unimaginable Fundamentals of Communications and Networking helps readers understand today's networks and the way they support the evolving

requirements of different types of organizations. It covers the critical issues of designing a network that will meet an organization's performance needs and discusses how businesses use networks to solve business problems. Using examples and exercises, this book incorporates hands-on activities to prepare readers to proficiently understand and design modern networks and their requirements.

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## **Ccnp Foundation Learning Guide Introduction**

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