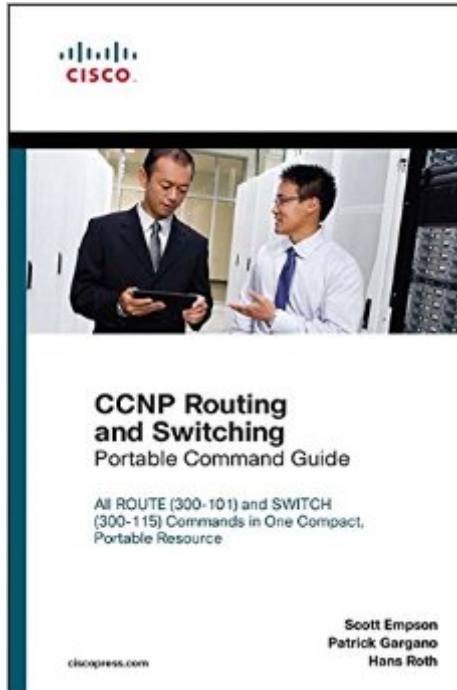


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# CCNP Routing And Switching Portable Command Guide



## Synopsis

CCNP Routing and Switching Portable Command Guide • All ROUTE (300-101) and SWITCH (300-115) Commands in One Compact, Portable Resource • Preparing for the CCNP® ROUTE or CCNP SWITCH exam? Working as a network professional? Here are all the CCNP-level commands you'll need, in one handy resource. The CCNP Routing and Switching Portable Command Guide is filled with valuable, easy-to-access information, and it's portable enough to use whether you're in the server room or the equipment closet. • This guide helps you memorize commands and concepts as you prepare to pass the CCNP ROUTE (300-101) or CCNP SWITCH (300-115) exams. It summarizes all CCNP certification-level Cisco IOS® Software commands, keywords, command arguments, and associated prompts, offering tips and examples for applying them in real-world environments. Throughout, configuration examples deepen your understanding of how these commands are used in actual network designs. • Whenever you're researching routing or switching solutions, you won't find a quicker, more useful offline resource. • --Logical "how-to" topic groupings inside the front and back covers provide one-stop research --Compact size makes it easy to carry with you, wherever you go --Helps you review important commands before taking the CCNP ROUTE or CCNP SWITCH certification exam --"Create Your Own Journal" appendix with blank, lined pages enables you to personalize the book for your own needs --"What Do You Want to Do?" chart inside front and back covers helps you to quickly reference specific tasks •

## Book Information

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## Customer Reviews

Are you planning on taking the CCNP ROUTE and/or SWITCH exam? If you are, then this book is for you! Authors Scott Empson, Patrick Gargano and Hans Roth, have done an outstanding job of writing a book that is designed to be a simple listing of those commands that are needed to be understood in order to pass the ROUTE and SWITCH exams. Authors Empson, Gargano and Roth, begin by showing you the Cisco Hierarchical Model of Network Design; the Cisco Enterprise Composite Network Model; static and default Routes; Administrative Distances; IPv6 Addresses; and, RIPng. Then, the authors deal with EIGRP--the design, implementation, verification, and troubleshooting of this protocol in both IPv4 and IPv6. They continue by covering OSPF; a review of configuring OSPF, both single area and multiarea. Then, the authors show you how to manipulate routing information. They then deal with those tools and commands that you can use to help evaluate network performance issues and control the path. Next, the authors first describe DHCP and NAT, and then deal with the use of BGP to connect an enterprise network to a service provider. They continue by first displaying checklists to follow, when securing Cisco Routers and the components of a router security policy. Then, the authors cover topics such as SDM templates, LLDP, PoE, and switch verification commands. They then provide information on virtual LANs, by creating, verifying, and troubleshooting them, along with EtherChannel, DHCPv4 and DHCPv6, and configuring and verifying voice VLANs. Next, the authors present information on the configuration of a spanning tree, along with commands that are used to verify the protocol; and, to configure enhancements to the spanning tree, such as Rapid Spanning Tree and Multiple Spanning Tree.

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