Cisco Field Manual: Catalyst Switch Configuration (Networking Technology)

David Hucaby, Stephen, CCIE McQuerry

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A complete, concise reference for implementing the most important features of the Cisco Catalyst family of switches

- Review detailed and comparative configuration steps for features of the COS and Cisco IOS Software operating systems
- Understand basic system and operating system management
- Configure Ethernet, EtherChannel, Token Ring, and ATM LANE interfaces
- Deploy VLANs, private VLANs, trunking, VTP, and dynamic port membership
- Understand STP operation, configuration, and tuning
- Configure and use Cisco Catalyst hardware for Layer 3 switching and redundancy
- Discover how Cisco Catalyst switches handle multicast traffic and interact with multicast routers
- Implement broadcast suppression, protocol filtering, user authentication, port security, and VLAN access lists
- Set up switches for logging, SNMP and RMON management, and port analysis
- Configure voice gateway modules, inline power, and QoS features needed to transport voice traffic

Cisco Catalyst switches, a common ingredient in many campus, metropolitan, enterprise, and service provider networks, are complex devices that require many configuration steps for proper operation. Not only are the required commands difficult to remember, but locating reference material on them also requires extensive research that is both time- consuming and difficult to complete in the field. *Cisco Field Manual: Catalyst Switch Configuration* is a quick and portable reference guide to the most commonly used features that can be configured on Cisco Catalyst switches.

Derived from the authors' notes about how to configure a variety of Cisco Catalyst features during the course of their preparation for the CCIE(r) exam, *Cisco Field Manual: Catalyst Switch Configuration* is an indispensable tool that helps you perform the most popular deployment tasks. From the first page, the authors zero in on quick facts, configuration steps, and explanations of configuration options in each Cisco Catalyst feature. The different variations of the Cisco Catalyst operating systems (COS and Cisco IOS(r) Software) are shown together for side-by-side comparison, making it easy to move from one Cisco Catalyst platform to another.

The book presents concise implementation advice for families of Cisco Catalyst features, including configuration fundamentals, Layer 2 interface configuration, Layer 3 interface configuration, VLANs and trunking, Spanning Tree Protocol (STP), Layer 3 switching, multicast, server load balancing, access control, switch management, quality of service (QoS), and voice. Additional appendixes provide you with critical details on well-known ports and addresses, specialized switch modules, VLAN extension, and a cabling guide. The quick reference format allows you to easily locate just the information you need without searching through thousands of pages of documentation, saving you time and helping you to get the devices up and running quickly and smoothly.

Whether you are looking for a handy, portable reference to more easily configure Cisco Catalyst switches in the field, or you are preparing for CCNA(r), CCNP(r), or CCIE certification, you will find *Cisco Field Manual: Catalyst Switch Configuration* to be an essential resource that will save you hours of research time.

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