

Preface

This preface defines the audience for the *ATM Switch Router Command Reference*, and describes how this publication should be used. Specific new or modified commands, as well as the features these commands represent, are found in the "New and Changed Information" section. This preface also explains the document conventions, and provides information on how to obtain related documentation.

Audience

This publication is intended as a stand alone document for experienced network administrators who will be configuring and maintaining switches or switch routers, and who would also like to reference the commands. For less-experienced users who need to understand the tasks as well as the commands, it is intended as a companion guide to the *ATM Switch Router Software Configuration Guide*.

New and Changed Information

Feature	Commands	Chapter
Inverse Multiplexing over ATM (IMA)	ima active-links-minimum ima clock-mode ima differential-delay-maximum ima frame-length ima group ima test	Chapter 9
	show ima interface	Chapter 17

Organization

The *ATM Switch Router Command Reference* is organized alphabetically. Each chapter covers all commands that start with a particular letter, with the exception of Chapter 2, "ATM Commands," and Chapter 18, "Show Commands." Appendixes A through D contain information as described in the following table.

Chapter Number	Chapter Title	Description
Chapter 1	A Commands	Commands beginning with the letter "a."
Chapter 2	ATM Commands	All commands beginning with "atm."
Chapter 3	B Commands	All commands beginning with the letter "b."
Chapter 4	C Commands	All commands beginning with the letter "c."
Chapter 5	D Commands	All commands beginning with the letter "d."
Chapter 6	E Commands	All commands beginning with the letter "e."
Chapter 7	F Commands	All commands beginning with the letter "f."
Chapter 8	H Commands	All commands beginning with the letter "h."
Chapter 9	I Commands	All commands beginning with the letter "i."
Chapter 10	K Commands	All commands beginning with the letter "k."
Chapter 11	L Commands	All commands beginning with the letter "l."
Chapter 12	M Commands	All commands beginning with the letter "m."
Chapter 13	N Commands	All commands beginning with the letter "n."
Chapter 14	O Commands	All commands beginning with the letter "o."
Chapter 15	P Commands	All commands beginning witht he letter "p."
Chapter 16	R Commands	All commands beginning with the letter "r."
Chapter 17	S Commands	Commands beginning with the letter "s."
Chapter 18	Show Commands	All commands beginning with "show."
Chapter 19	T Commands	All commands beginning with the letter "t."
Chapter 20	U Commands	All commands beginning with the letter "u."
Chapter 21	V Commands	All commands beginning with the letter "v."
Chapter 22	Y Commands	All commands beginning with the letter "y."
Appendix A	Acronyms	An up-to-date list of the acronyms used in this publication.
Appendix B	References and Recommended Reading	Contains lists of publications related to networks and networking.
Appendix C	Regular Expressions	Explains regular expressions and how to use them in ATM switch router configuration.
Appendix D	Removed and Changed Commands	Tables listing commands that have been removed, replaced, renamed; or commands that no longer function as expected in ATM environments.

Related Documentation

This publication provides an in-depth description of the commands necessary for configuring and maintaining your ATM switch. It describes tasks only in the context of using a particular command; it does not describe how the tasks interrelate nor does it provide comprehensive configuration examples. You can use this publication as a standalone reference manual or in conjunction with the *ATM Switch Router Software Configuration Guide*.

Not all of the **debug** commands are included in this publication. For a complete guide to the debug commands, refer to the *Debug Command Reference* publication.

Some Cisco IOS commands are not currently supported on the ATM switch router, hence these commands and/or some of their parameters might not function as expected. In this document these commands can be found in Table D-5 of Appendix D, where they are listed in alphabetical order. Wherever possible, a reference document has been listed for further information on these commands.

Document Conventions

Unless otherwise noted, all information in this document is relevant to the Catalyst 8540 MSR, Catalyst 8510 MSR, and LightStream 1010 ATM switch routers. Where certain information relates exclusively to specific switch routers, an exception is indicated by the following callouts:

- Catalyst 8540 MSR
- Catalyst 8510 MSR and LightStream 1010

Command descriptions use the following conventions (see Figure 1 for an example):

boldface font	Commands and keywords are in boldface .
<i>italic</i> font	Arguments for which you supply values are in <i>italics</i> . In contexts that do not allow italics, arguments are enclosed in angle brackets (< >).
[]	Elements in square brackets are optional.
{ x y z }	Required alternative keywords are grouped in braces and separated by vertical bars.
[x y z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A nonquoted set of characters. Do not use quotation marks around the string, otherwise the string will include the quotation marks.

Screen examples use the following conventions:

screen font	Terminal sessions and information the system displays are in screen font.	
boldface screen font	Information you must enter is in boldface screen font.	
italic screen font	Arguments for which you supply values are in <i>italic screen</i> font.	
>	This pointer highlights an important line of text in an example.	
٨	The symbol ^ represents the key labeled Control—for example, the key combination ^D in a screen display means hold down the Control key while you press the D key.	
< >	Nonprinting characters, such as passwords, are in angle brackets.	
[]	Default responses to system prompts are in square brackets.	
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.	

Notes use the following conventions:

Note

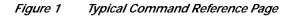
Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the publication.

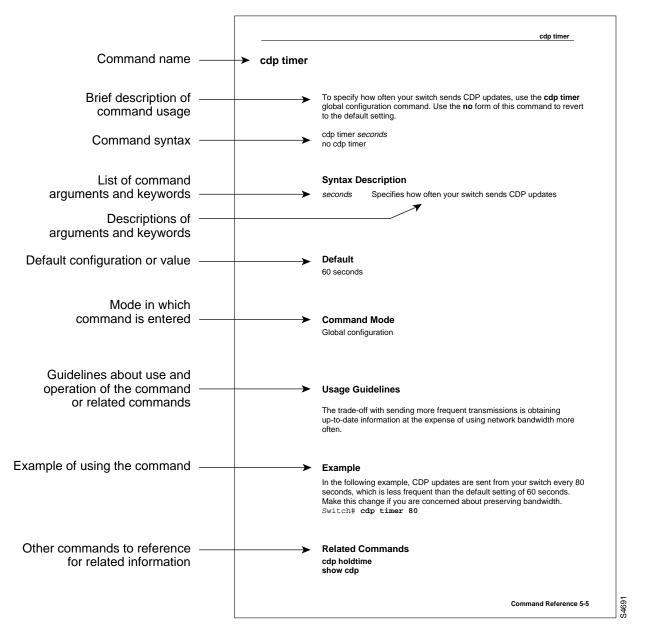
Cautions use the following conventions:

Ŵ Caution

Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

Figure 1 on the following page explains the fields of a typical command reference page.





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- WWW: http://www-china.cisco.com
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- Modem: From North America, 408 526-8070; from Europe, 33 1 64 46 40 82. Use the following terminal settings: VT100 emulation; databits: 8; parity: none; stop bits: 1; and connection rates up to 28.8 kbps.

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