



Cisco Catalyst 8500/LightStream 1010 IOS Release 12.1(14)EB

Introduction

This Product Bulletin describes the content and delivery information concerning Cisco IOS™ software release 12.1(14)EB. It should be used in conjunction with Product Bulletin titles, Cisco IOS Software Release 12.1E. 12.1(14)EB is an Early Deployment (ED) release supporting Cisco Catalyst 8510/8540 MSR and Lightstream 1010 platforms.

New Features in 12.1(14)EB

New features are supported on the Cisco Catalyst 8510MSR, 8540MSR, and Lightstream 1010.

New Feature	8510MSR	8540MSR	LS1010
IP/ATM QoS Enhancements	No	Yes	No
VC Bundling	No	Yes	No
Cisco Class-based QoS MIB	No	Yes	No
CES MIB, RFC 1406	Yes	Yes	Yes

Table 1. Cisco IOS Release 12.1(14) EB Features

Detailed Information

IP/ATM QoS Enhancements

IP/ATM QoS Enhancements add IP Class of Service (CoS) to ATM Quality of Service (QoS) mapping to the Enhanced ATM Router Module (ARM2). Utilizing the Cisco Modular QoS CLI framework, users are able to apply different levels of services to different traffic classes. IP QoS features such as classification, marking, policing, and scheduling can be applied to ATM virtual circuits (VC) to allow multiple combinations of IP CoS to ATM QoS interworking. IP/ATM QoS enhancements allow services such as premium Internet access and guaranteed Service Level Agreements.

VC Bundling

VC Bundling is a feature which allows multiple IP CoS to be mapped to different parallel VC's between two endpoints. Different services and priorities can be mapped to different VC's. The VC Bundle is treated as a single link between endpoints. Additional features include priority bumping, protected group, and protected VC to insure the priority of VC's within the bundle and control of the bundle.



New and modified MIBs

The following MIBs are supported:

Cisco Class-Based QoS MIB

Circuit Emulation Service MIB, RFC 1406

Documents

For more detailed information about the platforms and features being delivered in 12.1(14) EB, please reference the following documents:

http://www.cisco.com/univercd/cc/td/doc/product/atm/c8540/12_1/14eb_new/index.htm

http://www.cisco.com/univercd/cc/td/doc/product/atm/c8510/12_1/1_14eb/index.htm

http://www.cisco.com/en/US/products/hw/switches/ps718/prod_technical_documentation.html

Support

Cisco IOS software release 12.1(14) EB follows the standard Cisco support policy as indicated in the following link:

<http://www.cisco.com/warp/public/437/27.html>

Download Information

Customers can download Cisco IOS Release 12.1(14) EB software from Cisco Connection Online (CCO) in the Software Image Library.

<http://www.cisco.com/public/sw-center>



Product Numbers

Cisco IOS Release 12.1(14) EB Feature Sets, Images, and Memory Recommendations

Platform	Software Feature Set	Product Codes	Image	Flash	DRAM
LS1010	Cisco LS1010 Series IOS Lightstream IISP/PNNI	SL10R2-12114EB SL10R2-12114EB=	ls1010-wp-mz	16MB	64MB
LS1010	Cisco LS1010 Series IOS Lightstream IISP/PNNI SSH 3DES	SL10R2K2-12114EB SL10R2K2-12114EB=	ls1010-wpk2-mz	16MB	64MB
8510MSR	Cisco CAT8510 Series IOS ATM/Layer3	S851R2-12114EB S851R2-12114EB=	cat8510m-wp-mz	16MB	64MB
8510MSR	Cisco CAT8510 Series IOS ATM/Layer3 SSH 3DES	S851R2K2-12114EB S851R2K2-12114EB=	cat8510m-wpk2-mz	16MB	64MB
8540MSR	Cisco CAT8540 Series IOS ATM/Layer3	S854R2-12114EB S854R2-12114EB=	cat8540m-wp-mz	16MB	256MB
8540MSR	Cisco CAT8540 Series IOS ATM/Layer3 SSH 3DES	S854R2K2-12114EB S854R2K2-12114EB=	cat8540m-wpk2-mz	16MB	256MB



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