



Cisco Catalyst 8500/LightStream 1010 IOS Release 12.1(22)EB

Introduction

This Product Bulletin describes the content and delivery information concerning Cisco IOS™ software release 12.1(22)EB. It should be used in conjunction with Product Bulletin titles, Cisco IOS Software Release 12.1E. 12.1(22)EB is an Early Deployment (ED) release supporting Cisco Catalyst 8510/8540 MSR and Lightstream 1010 platforms.

New Features in 12.1(22)EB

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

New Feature	8510MSR	8540MSR	LS1010
ATM Forum CES 2.0 MIB	Yes	Yes	Yes
SPVC Backup Address	Yes	Yes	Yes
CES SPVC Explicit Path	Yes	Yes	Yes
ATM Signaling Message Pass Along Support	Yes	Yes	Yes

Table 1. Cisco IOS Release 12.1(22)EB Features

Detailed Information

ATM Forum CES 2.0 MIB

The ATM Forum Circuit Emulation Service (CES) 2.0 defined in AF-VTOA-0078.000 is currently supported. Previous to release 12.1(22)EB, MIB support was accomplished via the DSX1 MIB. In release 12.1(22)EB, the approved ATM Forum CES 2.0 MIB is implemented.

SPVC Backup Address

A Soft PVC (SPVC) has a source address and a destination address. One advantage of SPVCs over PVCs is that they can be automatically rerouted through a network. However, this feature is of no value if the destination is unavailable. In release 12.1(22)EB, the SPVC Backup Address feature allows a secondary or backup destination address to be specified in the event of failure of the primary destination address. This feature supports Soft Permanent Virtual Paths (SPVP) in addition to SPVC.



CES SPVC Explicit Path

Release 12.1(22)EB adds support for CES SPVC Explicit Path. Explicit Path is an existing feature which allows an operator to specify the exact path of a SPVC through the network, rather than allowing the network to decide automatically. Support for CES SPVCs is added to release 12.1(22)EB.

ATM Signaling Message Pass Along Support

ATM Signaling Messages are used to set up Switched Virtual Circuits (SVC) and Soft PVCs (SPVC). When a message is not recognized, the switch has the option of rejecting it or forwarding it, also known as passing it along. Release 12.1(22)EB adds support for ATM Signaling Message Pass Along.

Documents

For more detailed information about the platforms and features being delivered in 12.1(22)EB, please reference the following documents:

<http://www.cisco.com/en/US/products/hw/switches/ps718/index.html>

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

Support

Cisco IOS software release 12.1(22)EB follows the standard Cisco support policy as indicated in the following link:

http://www.cisco.com/en/US/products/svcs/ps3034/serv_category_home.html

Download Information

Customers can download Cisco IOS Release 12.1(22)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(22) EB Feature Sets, Images, and Memory Recommendations

Platform	Software Feature Set	Product Codes	Image	Flash	DRAM
LS1010	Cisco LS1010 Series IOS Lightstream IISP/PNNI	SL10R2-12122EB SL10R2-12122EB=	ls1010-wp-mz	16MB	64MB
LS1010	Cisco LS1010 Series IOS Lightstream IISP/PNNI SSH 3DES	SL10R2K2-12122EB SL10R2K2-12122EB=	ls1010-wpk2-mz	16MB	64MB
8510MSR	Cisco CAT8510 Series IOS ATM/Layer3	S851R2-12122EB S851R2-12122EB=	cat8510m-wp-mz	16MB	64MB
8510MSR	Cisco CAT8510 Series IOS ATM/Layer3 SSH 3DES	S851R2K2-12122EB S851R2K2-12122EB=	cat8510m-wpk2-mz	16MB	64MB
8540MSR	Cisco CAT8540 Series IOS ATM/Layer3	S854R2-12122EB S854R2-12122EB=	cat8540m-wp-mz	16MB	256MB
8540MSR	Cisco CAT8540 Series IOS ATM/Layer3 SSH 3DES	S854R2K2-12122EB S854R2K2-12122EB=	cat8540m-wpk2-mz	16MB	256MB

**Corporate Headquarters**

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 526-4100

European Headquarters

Cisco Systems International BV
Haarlerbergpark
Haarlerbergweg 13-19
1101 CH Amsterdam
The Netherlands
www-europe.cisco.com
Tel: 31 0 20 357 1000
Fax: 31 0 20 357 1100

Americas Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-7660
Fax: 408 527-0883

Asia Pacific Headquarters

Cisco Systems, Inc.
168 Robinson Road
#28-01 Capital Tower
Singapore 068912
www.cisco.com
Tel: +65 6317 7777
Fax: +65 6317 7799

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