



# Cisco Catalyst 8500/LightStream 1010 IOS Release 12.1(12c)EY

## Introduction

This Product Bulletin describes the content and delivery information concerning Cisco IOS™ software release 12.1(12c)EY. It should be used in conjunction with Product Bulletin titles, Cisco IOS Software Release 12.1E. 12.1(12c)EY is an Early Deployment (ED) release supporting Cisco Catalyst 8510/8540 and Lightstream 1010 platforms.

### New Features in 12.1(12c)EY

New features are supported on the Cisco Catalyst 8510MSR, 8540MSR, and Lightstream 1010. New features are not available on the Cisco Catalyst 8510CSR nor 8540CSR. Stabilizing bug fixes have been added for all platforms.

New Feature	8510MSR	8540MSR	LS1010	8510CSR	8540CSR
CES SVC's	Y	Y	Y	N	N
SNMP v3	Y	Y	Y	N	N
SSH Secure Shell (SSH)	Y	Y	Y	N	N
New MIB Support	Y	Y	Y	N	N

Table 1. Cisco IOS Release 12.1(12c)EY Features

## Detailed Information

### CES SVC's

Circuit Emulation Service (CES) is currently supported on the CES Port Adapter Modules (PAM) via Permanent Virtual Circuits (PVC) or Soft Permanent Virtual Circuits (SPVC). The ATM signaling for CES Switched Virtual Circuits (SVC) is different than for the existing CES SPVC's. The new CES SVC feature supports standard ATM signaling of CES SVC's to allow increased interoperability with other equipment.

### SNMP v3

Simple Network Management Protocol version 3 (SNMP v3) adds additional security features to existing versions of SNMP. SNMP v3 has been supported on other Cisco products. It is now available on Cisco Catalyst 8510MSR, 8540MSR, and LS1010.



### **SSH Secure Shell (SSH)**

Secure Shell (SSH) is a protocol that provides secure, remote connections via the Internet. It consists of Server and Client applications. There are multiple versions of SSH available. SSH Version 1 of the SSH Server is implemented in Cisco IOS software. The SSH server feature enables an SSH client to make a secure, encrypted connection to a Cisco device. This connection provides functionality that is similar to an inbound Telnet connection. The SSH server in Cisco IOS software works with publicly and commercially available SSH clients.

### **New MIBs**

The following MIBs for SNMPv3 are supported:

SNMP-FRAMEWORK-MIB

SNMP-VACM-MIB

SNMP-USM-MIB

SNMP-MPD-MIB

SNMP-TARGET-MIB

SNMP-NOTIFICATION-MIB

### **Documents**

For more detailed information about the platforms and features being delivered in 12.1(12c)EY, please reference the following documents:

[http://www.cisco.com/univercd/cc/td/doc/product/atm/c8540/12\\_1/12c\\_ey/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/atm/c8540/12_1/12c_ey/index.htm)

### **Support**

Cisco IOS software release 12.1(12c)EY 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(5)EY 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(12c)EY Feature Sets, Images, and Memory Recommendations

Platform	Software Feature Set	Product Codes	Image	Flash	DRAM
LS1010	Cisco LS1010 Series IOS Lightstream IISP/PNNI	SL10R2-12112EY SL10R2-12112EY=	ls1010-w p-mz	16MB	64MB
LS1010	Cisco LS1010 Series IOS Lightstream IISP/PNNI SSH 3DES	SL10R2K2-12112EY SL10R2K2-12112EY=	ls1010-wpk2-mz	16MB	64MB
8510MSR	Cisco CAT8510 Series IOS ATM/Layer3	S851R2-12112EY S851R2-12112EY=	cat8510m-w p-mz	16MB	64MB
8510MSR	Cisco CAT8510 Series IOS ATM/Layer3 SSH 3DES	S851R2K2-12112EY S851R2K2-12112EY=	cat8510m-wpk2-mz	16MB	64MB
8540MSR	Cisco CAT8540 Series IOS ATM/Layer3	S854R2-12112EY S854R2-12112EY=	cat8540m-w p-mz	16MB	256MB
8540MSR	Cisco CAT8540 Series IOS ATM/Layer3 SSH 3DES	S854R2K2-12112EY S854R2K2-12112EY=	cat8540m-wpk2-mz	16MB	256MB
8510CSR	Cisco CAT8510 Series IOS IP/Bridging	S851R3-12112EY S851R3-12112EY=	cat8510c-w p-mz	16MB	64MB
8540CSR	Cisco CAT8540 Series IOS IP/Bridging	S854R3-12112EY S854R3-12112EY=	cat8540c-w p-mz	16MB	256MB



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