CISCO SYSTEMS

Cisco Catalyst 8500/LightStream 1010 IOS Release 12.1(19)EB

Introduction

This Product Bulletin describes the content and delivery information concerning Cisco IOS™ software release 12.1(19)EB. It should be used in conjunction with Product Bulletin titles, Cisco IOS Software Release 12.1E. 12.1(19)EB is an Early Deployment (ED) release supporting Cisco Catalyst 8510/8540 MSR and Lightstream 1010 platforms.

New Features in 12.1(19)EB
New features are supported on the Cisco Catalyst 8510MSR, 8540MSR, and Lightstream 1010

New Feature	8510MSR	8540MSR	LS1010
Redundancy Support for P2MP SPVC	No	Yes	No
Redundancy Support for SSH Key	No	Yes	No
Support for SSHv2 Server	Yes	Yes	Yes
Password Protection for Enable Mode on Secondary RP	No	Yes	No
Coredump Generation on Secondary RP	No	Yes	No
Switchover Duration Timer	No	Yes	No
Low Impact Software Migration	No	Yes	No

Table 1. Cisco IOS Release 12.1(19)EB Features

Detailed Information

Redundancy Support for P2MP SPVC
Point to Multipoint (P2MP) Soft PVC's (SPVC) were added as a feature to the Catalyst 8500 MSR in release 12.1(13)EB. However, P2MP SPVC's were not preserved during a switchover from the Primary Router Processor (RP) to the Secondary RP. In release 12.1(19)EB, P2MP SPVC are now preserved during switchover.

Redundancy Support for SSH Key
Prior to release 12.1(19)EB, SSH Keys would require manual regeneration after switchover from the Primary RP to the Secondary RP. In release 12.1(19)EB, SSH Keys are now preserved during switchover.

Support for SSHv2 Server
Release 12.1(19)EB adds support for SSHv2 server. Support for SSHv2 client is planned for a future release.

Password Protection for Enable Mode on Secondary RP

Prior to release 12.1(19)EB, there was no password to enter enable mode on the Secondary RP. This could allow the system configuration to be altered without proper permissions. Release 12.1(19)EB adds support for Password Protection on the Secondary RP.

Coredump Generation on Secondary RP

Prior to release 12.1(19)EB, a crash on the Secondary RP would not be able to be captured via a system coredump. Release 12.1(19)EB adds support for Coredump Generation on the Secondary RP.

Switchover Duration Timer

The duration of the switchover from the Primary RP to the Secondary RP varies depending upon multiple factors such as number of connections, size of configuration, network performance, etc. Release 12.1(19)EB adds a Switchover Duration Timer to aid network managers in monitoring system switchovers.

Low Impact Software Migration

Prior to release 12.1(19)EB, ATM Virtual Circuits (VC) which were established in the system would be guaranteed to be preserved during a switchover only when both the Primary RP and Secondary RP were running the same version of software. Release 12.1(19)EB guarantees preservation of VC's during switchover when migrating between different versions of software. Both versions must be 12.1(19)EB or greater. Migration can be either from an older version of software to a newer version or in the reverse direction.

Documents

For more detailed information about the platforms and features being delivered in 12.1(19)EB, please reference the following documents:

http://www.cisco.com/en/US/products/hw/switches/ps718/index.html
http://www.cisco.com/univercd/cc/td/doc/product/atm/c8540/12_1/19_eb/index.htm

Download Information

Customers can download Cisco IOS Release 12.1(19)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(19) EB Feature Sets, Images, and Memory Recommendations

Platform	Software Feature Set	Product Codes	Image	Flash	DRAM
LS1010	Cisco LS1010 Series IOS Lightstream IISP/PNNI	SL10R2-12119EB SL10R2-12119EB=	ls1010-wp-mz	16MB	64MB
LS1010	Cisco LS1010 Series IOS Lightstream IISP/PNNI SSH 3DES	SL10R2K2-12119EB SL10R2K2-12119EB=	ls1010-wpk2-mz	16MB	64MB
8510MSR	Cisco CAT8510 Series IOS ATM/Layer3	S851R2-12119EB S851R2-12119EB=	cat8510m-wp-mz	16MB	64MB
8510MSR	Cisco CAT8510 Series IOS ATM/Layer3 SSH 3DES	S851R2K2-12119EB S851R2K2-12119EB=	cat8510m-wpk2-mz	16MB	64MB
8540MSR	Cisco CAT8540 Series IOS ATM/Layer3	S854R2-12119EB S854R2-12119EB=	cat8540m-wp-mz	16MB	256MB
8540MSR	Cisco CAT8540 Series IOS ATM/Layer3 SSH 3DES	S854R2K2-12119EB S854R2K2-12119EB=	cat8540m-wpk2-mz	16MB	256MB

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