



PRODUCT BULLETIN NO. 2798

NEW CISCO IOS SOFTWARE RELEASE 12.1(22)EA4 FOR CISCO CATALYST 2950, CATALYST 2950 LRE, AND CATALYST 2940 SERIES AND CATALYST 2955 SWITCHES

Cisco Systems® announces Cisco IOS® Software updates for the Cisco® Catalyst® 2950, Catalyst 2950 LRE, and Catalyst 2940 series and Cisco Catalyst 2955 Intelligent Ethernet switches. This new software release furthers Cisco leadership in providing secure, reliable, and feature-rich LAN switching solutions. This product bulletin contains content and delivery information for Cisco IOS Software Release 12.1(22)EA4. For more information about the Cisco IOS Software release process, refer to Product Bulletin 537.

OVERVIEW

Multicast Cisco EtherChannel® load-balancing support allows load-balancing multicast traffic egressing an EtherChannel based strictly on destination MAC address. This allows multicast traffic to be distributed across all EtherChannel member ports, thus removing the restriction that multicast traffic is only forwarded on the the EtherChannel default port. Please note that unknown multicast destinations will not be load balanced and instead will be flooded on the EtherChannel default port. Multicast addresses reserved for different protocols (for example, Cisco Discovery Protocol or Spanning Tree Protocol) will also use the default port

NEW FEATURES IN CISCO IOS SOFTWARE RELEASE 12.1(22)EA4

The new features shown in Table 1 are delivered in Cisco IOS Software Release 12.1(22)EA4.

Table 1. Cisco IOS Software Release 12.1(22)EA4 New Features

Feature	Cisco Catalyst 2955 Switch Enhanced Image	Cisco Catalyst 2950 Series Enhanced Image	Cisco Catalyst 2950 Series Standard Image	Cisco Catalyst 2950 LRE Series	Cisco Catalyst 2940 Series Standard Image
Multicast EtherChannel Load Balancing	X	X	X	X	X

The Layer 2+ capable fixed-configuration Cisco Catalyst switches supported with this software release are listed in Table 2.

Table 2. Layer 2+ Products Supported

Cisco Catalyst 2955 Enhanced Image Models	Cisco Catalyst 2950 Series Enhanced Image Models	Cisco Catalyst 2950 Series Standard Image Models	Cisco Catalyst 2950 LRE Series Models	Cisco Catalyst 2940 Series Models
<ul style="list-style-type: none">• 2955C-12• 2955S-12• 2955T-12	<ul style="list-style-type: none">• 2950T-24• 2950C-24• 2950G-12-EI• 2950G-24-EI• 2950G-48-EI• 2950G-24-EI-DC	<ul style="list-style-type: none">• 2950-12• 2950-24• 2950SX-24• 2950SX-48• 2950T-48	<ul style="list-style-type: none">• 2950LRE-24-997• 2950ST-24-LRE• 2950ST-8-LRE	<ul style="list-style-type: none">• 2940-8TF• 2940-8TT

ADDITIONAL RESOURCES

Software Download

The following software is available for download.

- Cisco Catalyst 2955 switches: <http://www.cisco.com/cgi-bin/tablebuild.pl/cat2955>
- Cisco Catalyst 2950 Series switches: <http://www.cisco.com/cgi-bin/tablebuild.pl/cat2950>
- Cisco Catalyst 2950 LRE Series switches: <http://www.cisco.com/cgi-bin/tablebuild.pl/cat2950LRE>
- Cisco Catalyst 2940 Series switches: <http://www.cisco.com/cgi-bin/tablebuild.pl/cat2940>

Because of export restrictions on strong cryptography, a separate image is required for cryptographic features (Secure Shell [SSH] Protocol, Simple Network Management Protocol Version 3 [SNMPv3], and Kerberos Protocol). These software images can be downloaded from the corresponding Triple Data Encryption Standard (3DES) area of the links provided in this section.

Product Information

More information about the following products is available.

- Cisco Catalyst 2955 switches: <http://www.cisco.com/go/catalyst2955>
- Cisco Catalyst 2950 Series switches: <http://www.cisco.com/go/catalyst2950>
- Cisco Catalyst 2950 LRE Series switches: <http://www.cisco.com/univercd/cc/td/doc/product/lan/cat2940/index.htm>
- Cisco Catalyst 2940 Series switches: <http://www.cisco.com/go/catalyst2940>
- Cisco Catalyst 2955, Catalyst 2950, Catalyst 2950 LRE, and Catalyst 2940 series and Catalyst 2955 release notes:
 - <http://www.cisco.com/univercd/cc/td/doc/product/lan/cat2950/index.htm>
 - <http://www.cisco.com/univercd/cc/td/doc/product/lan/cat2940/index.htm>

Support

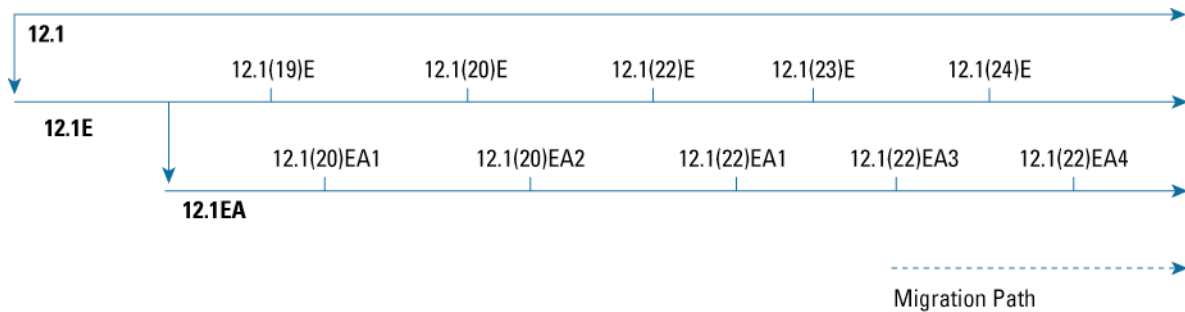
Cisco IOS Software Release 12.1(22)EA4 follows the standard Cisco support policy as indicated at:

http://www.cisco.com/en/US/products/products_end-of-life_policy.html

Software Image Migration Guide

Figure 1 displays Cisco IOS Software Release 12.1(22)EA4 relative to the 12.1 and 12.1E releases and identifies the recommended migration path.

Figure 1. Cisco IOS Software Release 12.1 Release Train



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