



## NEW CISCO IOS SOFTWARE RELEASE 12.1(20)EA1 FOR CISCO CATALYST 3550, 2955, 2950, 2950-LRE, AND 2940 SERIES SWITCHES

### OVERVIEW

Cisco Systems® announces a Cisco IOS® Software update for the Cisco® Catalyst® 3550, 2955, 2950, 2950-LRE, and 2940 Series Intelligent Ethernet switches. This new release advances Cisco leadership in providing secure, reliable, and easily managed LAN switching solutions.

This Product Bulletin describes the content and delivery information concerning Cisco IOS Software Release 12.1(20)EA1. For more information about the Cisco IOS Software release process, see Product Bulletin #537.

Cisco continues its commitment to providing industry-leading usability with the following changes.

Smart Ports, which first shipped in Cisco IOS Software Release 12.1(19)EA1, have been enhanced to include several default connection types that use Cisco recommended configuration settings. These default types can be quickly and easily assigned to ports using Cluster Management Suite (CMS), the embedded network management tool included with every fixed configuration switch.

CMS now supports the configuration of Auto-MDIX (medium-dependent interface crossover), which allows different types of cables to connect networking devices. CMS can enable or disable this feature.

The CMS plug-in is a simple installation program that configures the management station with the correct run-time software to support CMS. In addition to existing support on Microsoft Windows platforms, CMS plug-in is supported on Sun Microsystems Solaris operating system.

### NEW FEATURES IN CISCO IOS RELEASE 12.1(20)EA1

The following figures provide a detailed overview of features that will be delivered in the initial release of Cisco IOS Software Release 12.1(20)EA1. Table 1 details new features in Cisco IOS Software Release 12.1(20)EA1. Table 2 describes the new features in Cisco Cluster Management Suite (CMS) Software. Table 3 provides a listing of products supported with this release.

**Table 1.** Cisco IOS Software Release 12.1(20)EA1 New Features

Cisco IOS Software 12.1(20)EA1 Feature	Cisco Catalyst 3550-Enhanced Multilayer Image	Cisco Catalyst 3550-Standard Multilayer Image	Cisco Catalyst 2950-EI, 2950-LRE, & 2955	Cisco Catalyst 2950-SI	Cisco Catalyst 2940
Smart Ports Enhancements	Yes	Yes	Yes	Yes	Yes

**Table 2.** New Features in Cisco Cluster Management Suite (CMS) Software

Feature	Description
Auto-MDIX	Enable or disable support for Auto-MDIX
Smart Ports	Assign Cisco recommended configuration to a switch port for a variety of connection types
CMS Plug-in for Solaris	A simple installer program that configures the management station with the correct run-time software

**Table 3.** Products Supported with this Release

Cisco Catalyst 3550 Enhanced Multilayer Image Models	Cisco Catalyst 3550 Standard Multilayer Image Models	Cisco Catalyst 2955 Enhanced Image Models	
3550-12G	3550-24-SMI	2955C-12	
3550-12T	3550-24PWR-SMI	2955S-12	
3550-24-EMI	3550-48-SMI	2955T-12	
3550-24PWR-EMI	3550-24-FX-SMI		
3550-48-EMI	3550-24-DC-SMI		
3550-24-FX-SMI w/EMI upgrade			
3550-24-DC-SMI w/EMI upgrade			
Cisco Catalyst 2950 Enhanced Image Models	Cisco Catalyst 2950 Standard Image Models	Cisco Catalyst 2950-LRE Models	Cisco Catalyst 2940 Models
2950T-24	2950-12	2950LRE-24-997	2940-8TF
2950C-24	2950-24	2950ST-24-LRE	2940-8TT
2950G-12-EI	2950SX-24	2950ST-8-LRE	
2950G-24-EI	2950SX-48		
2950G-48-EI	2950T-48		
2950G-24-EI-DC			

## ADDITIONAL RESOURCES

Software Download—Software available February, 2004:

- Cisco Catalyst 3550 Series software download—<http://www.cisco.com/cgi-bin/tablebuild.pl/cat3550>
- Cisco Catalyst 2955 Series software download—<http://www.cisco.com/cgi-bin/tablebuild.pl/cat2955>
- Cisco Catalyst 2950 Series software download—<http://www.cisco.com/cgi-bin/tablebuild.pl/cat2950>
- Cisco Catalyst 2950-LRE Series software download—<http://www.cisco.com/cgi-bin/tablebuild.pl/cat2950LRE>
- Cisco Catalyst 2940 Series software download—<http://www.cisco.com/cgi-bin/tablebuild.pl/cat2940>

Due to export restrictions on strong cryptography software, a separate image is required for the cryptographic features (Secure Shell [SSH] Protocol, Simple Network Management Protocol [SNMP] v3, and Kerberos). These software images can be downloaded from the same locations shown above.

- Cisco Catalyst 3550 Series switches product information: <http://www.cisco.com/go/catalyst3550>
- Cisco Catalyst 2955 Series switches product information: <http://www.cisco.com/go/catalyst2955>
- Cisco Catalyst 2950 Series switches product information: <http://www.cisco.com/go/catalyst2950>
- Cisco Catalyst 2950 LRE Series switches product information: <http://www.cisco.com/go/lre>
- Cisco Catalyst 2940 Series switches product information: <http://www.cisco.com/go/catalyst2940>
- Cisco Catalyst 3550, 2955/2950/2950-LRE, and 2940 Series switches release notes:  
<http://www.cisco.com/univercd/cc/td/doc/product/lan/c3550/index.htm>  
<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

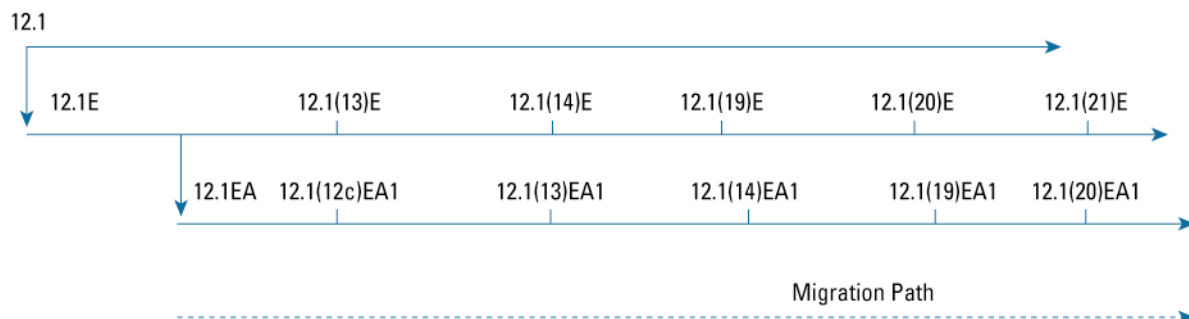
Cisco IOS Software Release 12.1(20)EA1 follows standard Cisco support policy as indicated in the following link:

[http://www.cisco.com/en/US/products/products\\_end-of-life\\_policy.html](http://www.cisco.com/en/US/products/products_end-of-life_policy.html)

## SOFTWARE IMAGE MIGRATION GUIDE

Figure 1 displays the recommended migration path for Cisco IOS Software Release 12.1(20)EA1 functions relative to the 12.1 and 12.1E releases. For more information about the Cisco IOS Software release process, see Product Bulletin #537.

**Figure 1.** Cisco IOS Release 12.1EA Release Train



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