# New Cisco IOS Software Release 12.1(22)EA10 for Cisco Catalyst 2950, 2940, and 2955 Series Switches

PB406106

Cisco® announces Cisco IOS® Software updates for the Cisco Catalyst® 2950, 2940, and 2955 Series Switches.

This product bulletin contains content and delivery information for Cisco IOS Software Release 12.1(22)EA10.

The following new features are available with Cisco IOS Software Release 12.1(22)EA10:

- **Dynamic Host Configuration Protocol (DHCP) snooping statistics:** Provides visibility into DHCP snooping for proactive management. Displays statistics about processed packets and various conditions that can cause a packet to be dropped (such as packet not allowed on untrusted port and so on). In addition, rate-limited SYSLOG messages can be generated for notification.
- **DHCP auto-install with saved configuration:** Simplifies deployment by enabling DHCP-based configuration on the switch, though a basic configuration file is present on the switch.

Table 1 lists new features of Cisco IOS Software Release 12.1(22)EA10.

**Table 1.**    Cisco IOS Software Release 12.1(22)EA10 New Features

| Feature | Cisco Catalyst 2955 Series 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 |
|---|---|---|---|---|---|
| DHCP Snooping Statistics | Y | Y | Y | N | N |
| DHCP Auto-Install (with Saved Configuration) | Y | Y | Y | N | E |

In Table 1, N = no plans to add platform support for this feature; X = feature is new for this platform; E = existing feature.

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Table 2 lists the Layer 2+ capable fixed-configuration Cisco Catalyst switches supported with this software release.

**Table 2.**    Layer 2+ Products Supported with This Release

| Cisco Catalyst 2955 Part Numbers | Cisco Catalyst 2950 Series Enhanced Image Part Numbers | Cisco Catalyst 2950 Series Standard Image Part Numbers | Cisco Catalyst 2940 Series Part Numbers |
|---|---|---|---|
| • 2955C-12<br>• 2955S-12<br>• 2955T-12 | • 2950T-24<br>• 2950C-24<br>• 2950G-12-EI<br>• 2950G-24-EI<br>• 2950G-48-EI<br>• 2950G-24-EI-DC | • 2950-12<br>• 2950-24<br>• 2950SX-24<br>• 2950SX-48<br>• 2950T-48 | • 2940-8TF<br>• 2940-8TT |

## Additional Resources

### Software Download

Software is available for download from the following links:

- **Cisco IOS Software Upgrade Planner:** http://www.cisco.com/cgi-bin/Software/Iosplanner/Planner-tool/iosplanner.cgi?majorRel=
- **Guest-Level Access Planner:** http://www.cisco.com/kobayashi/sw-center/index.shtml

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

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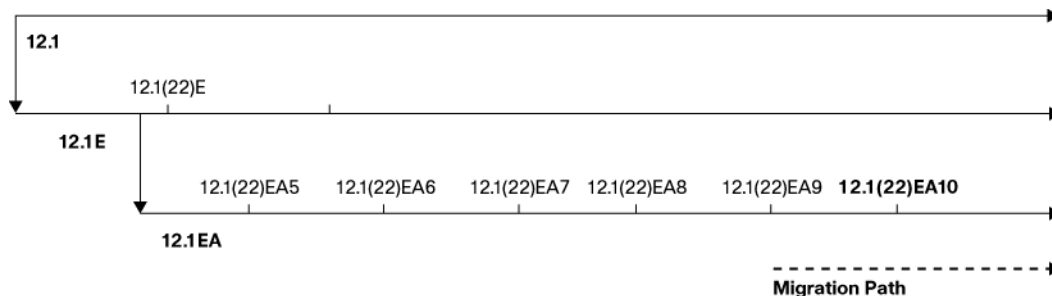  - http://www.cisco.com/univercd/cc/td/doc/product/lan/cat2940/index.htm

**Support**

Cisco IOS Software Release 12.1(22)EA10 follows the standard Cisco support policy 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)EA10 relative to the 12.1 and 12.1E
releases and identifies the recommended migration path.

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