



PRODUCT BULLETIN, NO. 2574

# CISCO IOS SOFTWARE RELEASE 12.3(8)YA

This product bulletin describes the content and delivery information for Cisco IOS® Software Release 12.3(8)YA. It should be used in conjunction with the Cisco IOS Software Release 12.3T product bulletin. Cisco IOS Software Release 12.3(8)YA is a short-lived, early deployment release that will be supported in the sixth release of Cisco IOS Software Release 12.3T. It supports the Cisco® 800 Series routers (Cisco 828, 831, 836, 837) and Cisco SOHO 90 Series routers (Cisco SOHO 91, SOHO 96, and SOHO 97).

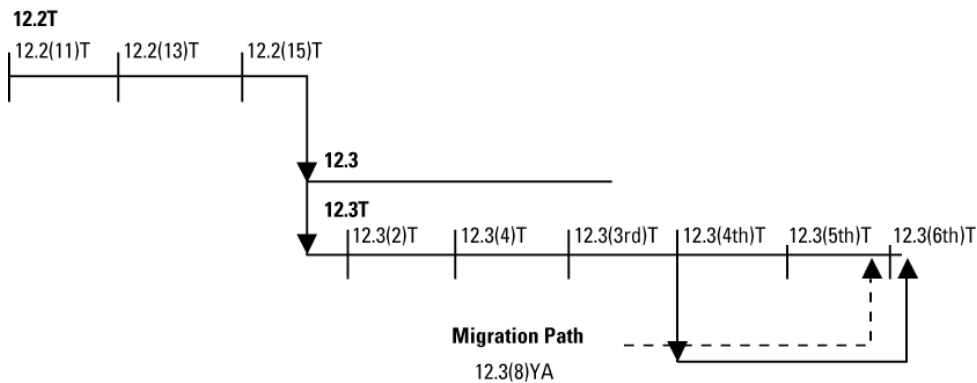
The platform and features delivered with this early deployment release will be immediately incorporated into the sixth release of Cisco IOS Software Release 12.3T. The timeframe for the availability of the fifth release of the Cisco IOS Software Release 12.3T train is the first quarter of 2005. Please note that this timeframe is subject to change.

In addition to the supported features described in this product bulletin, more information is available in the release notes for Cisco IOS Software Release 12.3(8)YA.

Customers should prepare to upgrade using the migration path shown in Figure 1.

Note: This product bulletin only lists features that are new to the respective platforms.

Figure 1. Cisco IOS Software Release 12.3(8)YA Release Train and Migration Guide



## NEW FEATURES IN CISCO IOS SOFTWARE RELEASE 12.3(8)YA

Table 1 lists the new features delivered in the Cisco IOS Software Release 12.3(8)YA.

Table 1. New Features in Cisco IOS Software Release 12.3(8)YA

New Features	Cisco 828	Cisco 831	Cisco 836	Cisco 837	Cisco SOHO 91	Cisco SOHO 96	Cisco SOHO 97
Dynamic DNS	No	Yes	Yes	Yes	Yes	Yes	Yes
No service password recovery	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bridge MIB for	No	Yes	Yes	Yes	No	No	No

hotspot application							
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## DETAILED INFORMATION

### New Software

#### Dynamic DNS

The Dynamic DNS feature provides a form of dynamic DNS update that is compatible with several proprietary HTTP-based protocols. It also provides the IETF standard Dynamic DNS Update method. There are many HTTP-based protocols; the most notable is DynDNS.org.

Dynamic DNS updates can be configured for any type of interface over which IPv4 is running. When the IPv4 address is configured (via manual, Dynamic Host Control Protocol [DHCP], or Point-to-Point Protocol [PPP], for example), the update will be triggered.

This new feature provides a command-line interface (CLI) that allows configuration of the update method, including the HTTP interaction to use, server address, type of update, and forced update timer.

#### No Service Password Recovery

This feature is a security enhancement that prevents anyone with access to the console port from entering into ROMmon and clearing the password on the router. This also prevents anyone from changing the config register and accessing NVRAM at the ROMMON prompt.

A new Cisco IOS CLI is added for Cisco 800 and Cisco SOHO 90 series routers, which helps in disabling the “service password-recovery” in the router.

A new ROMmon is required to use this feature. Please refer to the release notes for more information.

#### Bridge MIB for Hotspot Application

Bridge MIB, extracted from RFC 1493, defines objects for managing MAC bridges between LAN segments. Object groups supported include dot1dBase, dot1dStp, and dot1dTp, which deal with information regarding various ports of the bridge, Spanning Tree Protocol, and transparent bridging.

## PRODUCT NUMBERS

Table 2 provides the feature sets, images, and memory recommendations for Cisco IOS Software Release 12.3(8)YA.

**Table 2.** Cisco IOS Software Release 12.3(8)YA Feature Sets, Images, and Memory Recommendations

Feature	Platforms Supported	Images	Flash Memory	DRAM
Dynamic DNS	Cisco 831, 836, 837, SOHO 91, SOHO 96, SOHO 97	c831-k9o3sy6-mz c831-k9o3y6-mz c836-k9o3s8y6-mz c836-k9o3sy6-mz c836-k9o3y6-mz c837-k9o3sy6-mz c837-k9o3y6-mz soho96-k9oy1-mz soho97-k9oy1-mz soho97-oy1-mz	12 MB	48 MB



Feature	Platforms Supported	Images	Flash Memory	DRAM
		soho91-k9oy6-mz		

Feature	Platforms Supported	Images	Flash Memory	DRAM
No service password recovery	Cisco 828, 831, 836, 837, SOHO 91, SOHO 96, SOHO 97	c831-k9o3sy6-mz c831-k9o3y6-mz c836-k9o3sy6-mz c836-k9o3s8y6-mz c836-k9o3y6-mz c837-k9o3sy6-mz c837-k9o3y6-mz c828-k9osy6-mz c828-oy6-mz c828-sy6-mz c828-y6-mz soho96-k9oy1-mz soho97-k9oy1-mz soho97-oy1-mz soho91-k9oy6-mz Note: New ROMmon will be released for Cisco83x, Cisco828 and Cisco SOHO 90 Series platforms.	12 MB	48 MB
Bridge MIB for hotspot	Cisco 831, 836, 837	c831-k9o3sy6-mz c831-k9o3y6-mz c836-k9o3sy6-mz c836-k9o3s8y6-mz c836-k9o3y6-mz c837-k9o3sy6-mz c837-k9o3y6-mz	12 MB	48 MB

## DOWNLOAD INFORMATION

Customers can download Cisco IOS Software Release 12.3(8)YA Software from the Cisco.com software image library.

