

Cisco IOS Software Release 12.4(2)T Feature Sets For Cisco 7301 Router

PB2892

This product bulletin describes Cisco IOS[®] Software packaging for the Cisco[®] 7301 Router. It introduces eight new cross-platform feature sets in Cisco IOS Software Release 12.4(2)T. For releases prior to 12.4(2)T (such as 12.4M and 12.3T), there is no Cisco IOS Software packaging and, as before, classic feature sets can be used. (The classic feature sets will reach end-of-sale with the release of 12.4(2)T.)

Note: Cisco IOS Software packaging is an initiative that simplifies the image selection process by consolidating the number of packages and using consistent package names across platforms. This product bulletin discusses the packaging of Cisco IOS Software features into feature sets. It does not discuss individual new features. For information about new features in Cisco IOS Software Release 12.4(2)T, refer to the Cisco IOS Software pages on cisco.com.

Overview

With the introduction of Cisco IOS Software Release 12.4(2)T, the Cisco 7301 Router will migrate to eight new cross-platform feature sets. Customers planning to deploy new features in Release 12.4(2)T should understand and evaluate the new cross-platform feature sets. Starting with Release 12.4(2)T, the cross-platform feature sets will replace the classic feature sets (Table 1).

Table 1. Cisco IOS Software Feature Sets for the Cisco 7301 Router

Cisco IOS Software Release 12.3T	Cisco IOS Software Release 12.4 Mainline	Cisco IOS Software Release 12.4(2)T
Classic Feature Sets	Classic Feature Sets	Cross-platform feature sets
		Special-purpose feature sets

The remainder of this product bulletin provides details of feature set availability in Cisco IOS Software Release 12.4(2)T for the Cisco 7301 Router.

Introduction to Cisco IOS Software Release Cross-Platform Feature Sets

The cross-platform feature sets make it easier to choose feature sets in a multiple-platform environment. They provide feature combinations based on customer feedback. In addition, the cross-platform feature sets simplify the image selection process by providing similar functions across platform boundaries (Table 2).

Table 2. Cisco IOS Software Release Cross-Platform Feature Sets

	Basic IP Connectivity for Data	Voice over IP, Voice over Frame Relay	ATM, Voice over ATM, MPLS	Gatekeeper, IP-to-IP Gateway*	AppleTalk, IPX, IBM protocols	Firewall, Intrusion Detection Sensor, VPN
IP Base	X					
Advanced Security	X					X
SP Services	X	X	X			
Advanced IP Services	X	X	X			X
Advanced Enterprise Services	X	X	X	X	X	X

*Requires the Cisco H.323 Gatekeeper feature license, or the combined H.323 Gatekeeper and Cisco Multiservice IP-to-IP Gateway feature license (FL-GK-NEW-7301, FL-GK-IPIP7301).

Detailed information about the new cross-platform feature sets is available on the Cisco IOS Software Release Packaging page.

Cisco IOS Software Release 12.4(2)T

Feature Set Overview

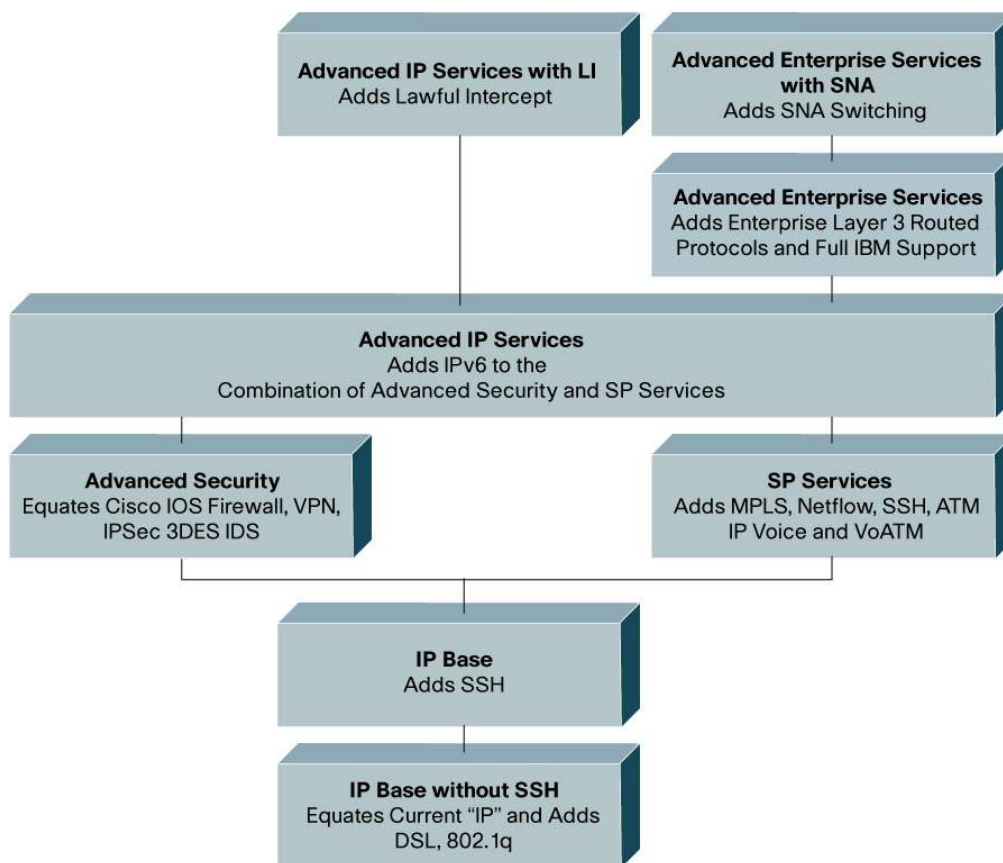
The following Cisco IOS Software Release 12.4(2)T feature sets will be available for the Cisco 7301 Router (Table 3).

Table 3. Available Feature Sets in Cisco IOS Software Release 12.4(2)T

Feature Set	Image File Name
Cross-Platform Feature Sets	
IP BASE WITHOUT SSH	c7301-ipbase-mz (Default)
IP BASE	c7301-ipbasek9-mz
SP SERVICES	c7301-spservicesk9-mz
ADVANCED SECURITY	c7301-advsecurityk9-mz
ADVANCED IP SERVICES	c7301-advipservicesk9-mz
ADVANCED ENTERPRISE SERVICES	c7301-adventerprisek9-mz
Special-Purpose Feature Sets	
ADVANCED IP SERVICES WITH LI	c7301-advipservicesk9_li-mz
ADVANCED ENTERPRISE SERVICES WITH SNASW	c7301-adventerprisek9_sna-mz

Figure 1 shows the Cisco Software IOS Packaging feature sets and relationships between them.

Figure 1. Cisco Software IOS Packaging Tree



Please note that the default image for the cross-platform and special-purpose feature sets has different capability than the default image for the classic feature sets. For more information, please consult the cross-platform feature set introduction page or use the Compare Images function in the [Cisco Feature Navigator tool](#).

Cisco IOS Software Release 12.4(2)T Suggested Migration Paths

Table 4 lists suggested migration paths from end-of-sale classic feature sets to cross-platform feature sets. Please note that other active release trains continue to issue maintenance releases of the classic feature sets. The migration applies only to Cisco IOS Software Release 12.4(2)T and later. Detailed information about the new cross-platform feature sets is available on the [cross-platform feature set introduction page](#).

Cisco SMARTnet[®] support and other support contracts are transferable to any software image suggested as a migration path.

Cisco Systems[®] provides several tools to perform detailed analysis of feature content. To find out which Cisco IOS Software release best supports your needs, use the [Cisco Software Advisor](#), [Cisco IOS software release Upgrade Planner](#), and [Cisco Feature Navigator](#), which allow registered customers and partners to search by feature(s) or by release, and compares different releases and feature sets.

Table 4. Migration Paths from Classic Feature Sets for the Cisco 7301 Router

Cisco IOS Software Classic Feature Set	Suggested Migration Path(s)
IOS IP PLUS c7301-is-mz	IP Base without SSH c7301-ipbase-mz
	IP Base c7301-ipbasek9-mz
	SP Services

	c7301-spservicesk9-mz
	Advanced IP Services c7301-advipservicesk9-mz
IOS Plus IPSec 3DES c7301-ik9s-mz	IP Base c7301-ipbasek9-mz
	SP Services c7301-spservicesk9-mz
	Advanced IP Services c7301-advipservicesk9-mz
IOS IP/FW/IDS IPSec 3DES c7301-ik9o3s-mz	Advanced Security c7301-advsecurityk9-mz
	Advanced IP Services c7301-advipservicesk9-mz
IOS ENTERPRISE c7301-js-mz	Advanced Enterprise Services c7301-adventerprisek9-mz
IOS ENTERPRISE SSG c7301-g4js-mz	Advanced IP Services* c7301-advipservicesk9-mz
IOS SERVICE PROVIDER IPSec 3DES LAWFUL INTERCEPT c7301-jsu2-mz	Advanced IP Services with LI c7301-advipservicesk9_li-mz
IP SSG IPSec 3DES LAWFUL INTERCEPT c7301-g4jk9su2-mz	Advanced IP Services with LI* c7301-advipservicesk9_li-mz
IOS ENTERPRISE IPSec 3DES c7301-jk9s-mz	Advanced Enterprise Services c7301-adventservicesk9-mz
IOS ENTERPRISE/FW/IDS IPSec 3DES c7301-jk9o3s	Advanced Enterprise Services c7301-adventerprisek9-mz
IOS ENTERPRISE/SNASW IPSec 3DES c7301-a3jk9s	Advanced Enterprise Services with SNA c7301-adventerprisek9_sna-mz

* Requires SSG License

Note: Export controls on strong encryption (greater than 56-bit DES strength) vary according to type, strength, territory, end use and end user. Please use the Web-based [Cisco Encryption Sales Support Tool](#) to determine eligibility for Cisco strong encryption solutions. Send e-mail to Export Compliance (export@cisco.com) for clarification. Please include the word “crypto” or “encryption” in the subject line to ensure proper routing of your inquiry.



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