



PRODUCT BULLETIN, NO. 2160

# CISCO IOS PACKAGING

**Last Updated: September 2005**

**This Product Bulletin articulates the Cisco IOS® Packaging framework, availability, list pricing, and the associated Cisco IOS Software Release 12.3 migration strategy.**

## 1 INTRODUCTION

Cisco IOS Software is feature-rich network system software, providing network intelligence for the business-critical solutions necessary to succeed in the Internet Economy. Available on an extensive range of Cisco platforms, Cisco IOS Software provides a common IP fabric, functionality and command-line interface (CLI) across a network. It provides a cohesive path for data and voice integration and unmatched security and network management support.

Today's customers need more flexible and consistent software packaging to address their complex network environment. Cisco is delivering a new software packaging framework via Cisco IOS Software Release 12.3, creating a foundation for new features and functionality that better suits customer needs.

Cisco IOS Packaging redefines and simplifies the current Cisco IOS Software feature sets. Cisco greatly improves the customer software selection experience by reducing the number of packages from forty-four to eight. Four packages have been designed to satisfy requirements in four typical service categories: IP data, converged voice and data, Security and VPN, and Enterprise protocols. Three additional premium packages offer new Cisco IOS Software feature combinations that address more complex network requirements. All features merge in the most premium package, Advanced Enterprise Services, which integrates support for all routing protocols with Voice, Security and VPN capabilities.

Feature inheritance is another powerful aspect of Cisco IOS Packaging. Once a feature is introduced, it is not removed in the more comprehensive packages. Feature inheritance principle provides clear migration, clarifying the feature content of the different packages and how they relate to one another.

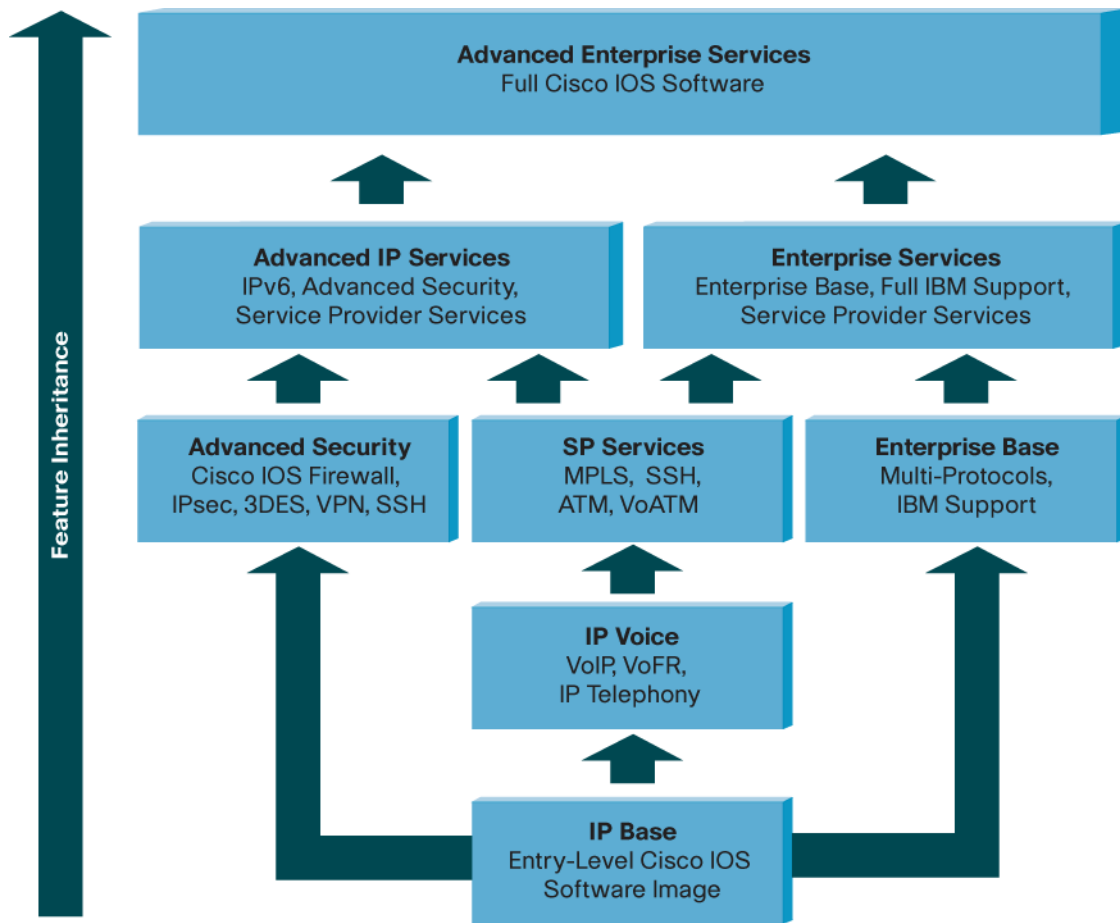
Cisco IOS Packaging also simplifies image naming. Each name has been designed to effectively convey the high-level feature content of, and the inheritance characteristics for, the new packages.

Cisco IOS Packaging is available for customers in Cisco IOS Software Major Release 12.3. It will be supported on the Cisco 1700, 2600XM, 2691, and 3700 Series Routers. Most Cisco Access, Aggregation, and Core routers will support this model in the future.

### 1.1 New Packaging Feature Inheritance Principle

Cisco IOS Packaging is fundamentally based on an inheritance model. Each new package inherits all of the Cisco IOS Software features and services available in the packages below it, offering customers a clear migration and upgrade path.

Figure 1. Cisco IOS Packaging



## 1.2 New Naming Convention

The new package names emphasize the inheritance characteristics of Cisco IOS Packaging. They also provide a high-level feature content description of the new packages, which further simplifies the image selection process.

The following categories summarize the new naming convention:

- **Base:** entry level image, (ie, IP Base, Enterprise Base)
- **Services:** addition of IP Telephony Service, MPLS, Voice over IP (VoIP), Voice over Frame Relay (VoFR), and ATM (ie: SP Services, Enterprise Services)
- **Advanced:** addition of VPN, Cisco IOS Firewall, 3DES encryption, SSH, Cisco IOS IPsec and Intrusion Detection Systems (IDS) (ie: Advanced Security, Advanced IP Services)
- **Enterprise:** additional of multi-protocols, including IBM, IPX, AppleTalk (ie: Enterprise Base, Enterprise Services)

Eight new Packages:

- **IP Base**
- **IP Voice**
- **Enterprise Base**

- *Advanced Security*
- *SP Services*
- *Advanced IP Services*
- *Enterprise Services*
- *Advanced Enterprise Services*

**Reference Example:**

**Advanced Enterprise Services**

**(Cisco IOS Firewall, VPN, 3DES encryption, SSH, Cisco IOS IPsec and IDS) + (Multi-Protocols) + (voice, VoIP, VoFR, ATM, MPLS)**

**1.3 Description**

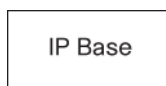
The new packages have been specifically designed to satisfy requirements of four typical service categories:

- IP data services
- Converged voice and data services
- Security and VPN services
- Multi-protocol services (ie: IPX, AppleTalk, and various IBM protocols)

Cisco IOS Packaging provides a focused package as an entry point for each category. As you progress up the pyramid, comprehensive packages provide additional functionality and combine features from different categories to meet required combinations. All packages converge in the Advanced Enterprise Services, integrating all mainstream functionality.

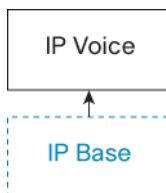
Following are descriptions and market requirements for each feature set. For detailed information please use Feature Navigator:  
<http://tools.cisco.com/ITDIT/CFN/jsp/index.jsp>.

**IP Base**



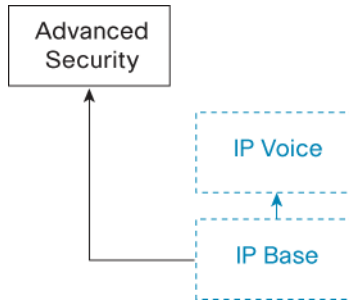
IP Base is a baseline set of Cisco IOS Software services required to operate a Cisco IOS Router in a data environment. It includes technologies such as DSL connectivity, Ethernet Switching modules, 802.1q routing, and trunking on Ethernet interfaces. The Cisco IOS Software features and services in IP Base will be “inherited” in all the packages listed below. Additionally, IP Base will be the default image for most Cisco IOS Routers.

**IP Voice**



IP Voice adds voice features in addition to functionality found in IP Base. It integrates support for VoIP or VoFR. Additional functionality includes support for all existing voice interfaces and their signaling protocols (ie: H.323, MGCP Signaling), key leadership capabilities (ie: [Cisco IOS Telephony Services](#)), and [Survivable Remote Site Telephony](#) (SRST).

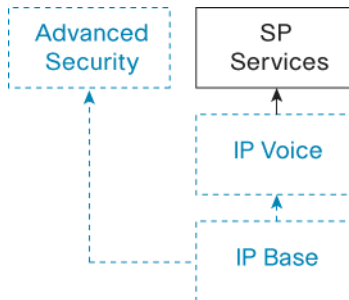
## Advanced Security



Advanced Security combines Security and VPN with data connectivity. Additional functionality includes [Cisco IOS Firewall](#), [Intrusion Detection Systems \(IDS\)](#), [Secure Shell \(SSHv1\)](#), and support for [Cisco Easy VPN Client and Server](#).

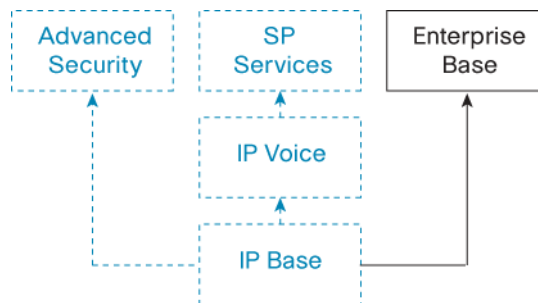
All encryption technologies (3DES and AES as applicable) will be provided in a single feature set. Advanced Security is a full superset of IP Base, as it supports all features and hardware supported in the IP Base feature set.

## SP Services



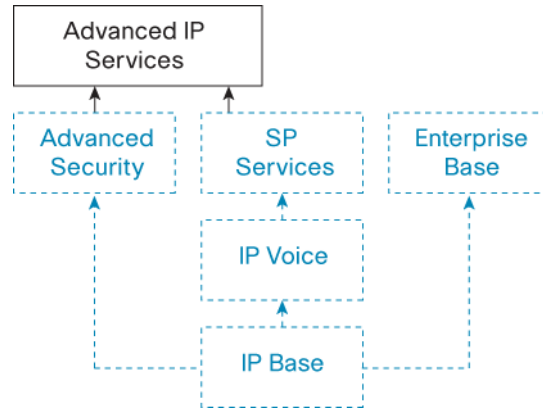
SP Services is a comprehensive set of data connectivity with voice encapsulation and transport services, in addition to SSHv1. It provides full support for Voice and data over IP and ATM. The SP Services also provides other premium features, such as MPLS.

## Enterprise Base



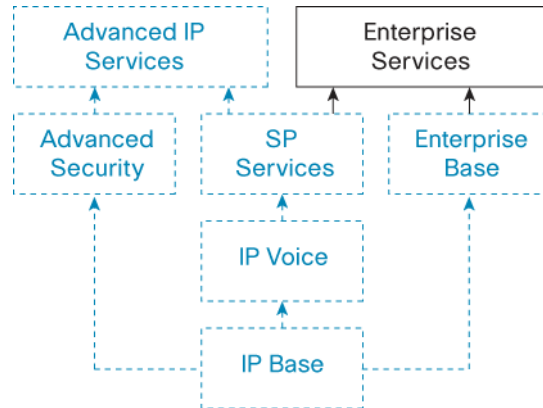
Enterprise Base integrates support for data connectivity, multi-protocols, and IBM services (ie: Appletalk, Novell, and IPX). Enterprise Base is a full superset of IP Base, as it supports all features and hardware supported in the IP Base feature set.

## Advanced IP Services



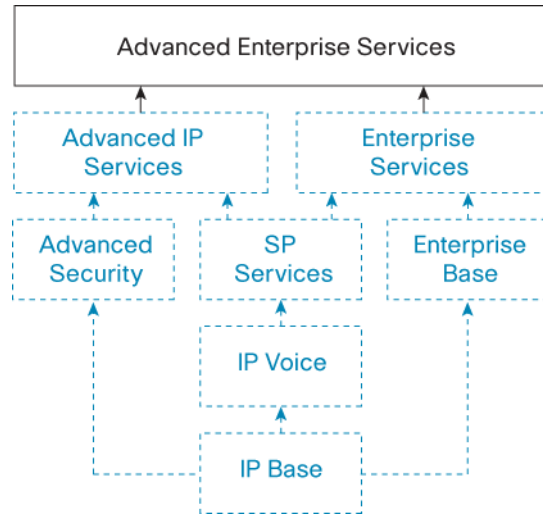
Advanced IP Services combines support for data and voice with [Security and VPN](#) capabilities. It supports all features and hardware supported in the SP Services feature set, and adds support for the VPN, IDS, IPv6, and [Cisco IOS Firewall](#) services in the Advanced Security feature set.

## Enterprise Services



Enterprise Services combines support for IPX, Apple Talk, DECnet and IBM services with voice and/or ATM services. It supports all features and hardware supported in the SP Services feature set, and adds support for multi-protocols introduced in the Enterprise Base feature set. It fully meets the requirements of customers who wish to integrate full IBM support and voice services.

## Advanced Enterprise Services



Advanced Enterprise Services merge support for multi-protocols (ie: Appletalk, Novell, IPX, and DECnet) with voice, security (ie: Cisco IOS Firewall and IDS), VPN, and other premium features (ie: IPv6, MPLS). It is the most premium and services rich feature set.

The availability of features in the new packages is contingent on individual platform support. For details about the content of each package by platform, please visit: <http://www.cisco.com/go/packaging/>

## 2 TARGET PLATFORMS FOR CISCO IOS SOFTWARE PACKAGING

Cisco IOS Packaging is currently focused on Cisco Access Router platforms. It is available on the Cisco 1700, 2600XM, 2691, and 3700 Series Routers.

Additional Cisco IOS Software Routers will follow in Cisco IOS Software Release 12.3T and Release 12.2S.

## 3 CISCO IOS NEW FEATURE SETS AVAILABILITY

The new packages are introduced as upgrade and migration opportunities in Cisco IOS Software Release 12.3. Table 1 outlines the platforms that migrate to the new packaging framework, and the target packages for each platform.

**Table 1.** Platform Support for Cisco IOS Packaging

	IP Base	IP Voice	Advanced Security	Advanced IP Services	SP Services	Enterprise Base	Enterprise Services	Advanced Enterprise Services
Cisco 3745	X	X	X	X	X	X	X	X
Cisco 3725	X	X	X	X	X	X	X	X
Cisco 2691	X	X	X	X	X	X	X	X
Cisco 2600 XM Series	X	X	X	X	X	X	X	X
Cisco 1751-V, 1760	X	X	X	X	X	X	X	X
Cisco 1721, 1751	X		X			X		

The following platforms do not support Cisco IOS Packaging in Release 12.3: Cisco 1720, Cisco 2600 non-XM, and the Cisco 3600 Router Series.

### 3.1 New Feature Sets for Cisco 1700 Series Routers

The new packages will be available for the Cisco 1700 Series Routers:

- Cisco 1721 and 1751 Routers: support the IP Base, Advanced Security and Enterprise Base packages
- Cisco 1751-V and 1760 Routers: supports all new packages

Table 2 outlines the available new packages, image names, and memory requirements for Cisco 1700 Series Routers.

**Table 2.** New Packages for Cisco 1700 Series Routers

New Packages	Software Image	Required Flash Memory	Required DRAM Memory
IP Base	C1700-ipbase-mz	16MB	48MB
IP Voice	C1700-ipvoice-mz	32MB	64MB
Enterprise Base	C1700-entbase-mz	16MB	48MB
Advanced Security	C1700-advsecurityk9-mz	16MB	64MB
SP Services	C1700-spservicesk9-mz	32MB	96MB
Enterprise Services	C1700-entservicesk9-mz	32MB	96MB
Advanced IP Services	C1700-advipservicesk9-mz	32MB	96MB
Advanced Enterprise Services	C1700-adventerprisek9-mz	32MB	96MB

For detailed information about these packages in Cisco IOS Software Release 12.3, please refer to Product Bulletin No. 2124, Release 12.3 Feature Sets for the Cisco 1700 Series Routers: [http://www.cisco.com/en/US/products/hw/routers/ps221/prod\\_bulletin09186a0080161145.html](http://www.cisco.com/en/US/products/hw/routers/ps221/prod_bulletin09186a0080161145.html)

### 3.2 New Packages for Cisco 2600 Series Routers

The new packages will be available for the Cisco 2600 Series Routers:

The new packages will be available for the Cisco 2691 and C2600XM Routers.

Table 3 and 4 outline the available new packages, image names, and Flash and DRAM memory requirements for Cisco 2600 Series Routers.

**Table 3.** New Packages for Cisco 2600XM Series Routers

New Packages	Software Image	Required Flash Memory	Required DRAM Memory
IP Base	C2600-ipbase-mz	16MB	64MB
IP Voice	C2600-ipvoice-mz	32MB	96MB
Enterprise Base	C2600-entbase-mz	16MB	64MB
Advanced Security	C2600-advsecurityk9-mz	16MB	64MB
SP Services	C2600-spservicesk9-mz	32MB	96MB
Enterprise Services	C2600-entservicesk9-mz	32MB	96MB
Advanced IP Services	C2600-advipservicesk9-mz	32MB	96MB
Advanced Enterprise Services	C2600-adventerprisek9-mz	32MB	96MB

**Table 4.** New Packages for Cisco 2691 Router

New Packages	Software Image	Required Flash Memory	Required DRAM Memory
IP Base	C2691-ipbase-mz	32MB	64MB
IP Voice	C2691-ipvoice-mz	32MB	128MB
Enterprise Base	C2691-entbase-mz	32MB	128MB
Advanced Security	C2691-advsecurityk9-mz	32MB	128MB
SP Services	C2691-spservicesk9-mz	32MB	128MB
Enterprise Services	C2691-entservicesk9-mz	32MB	128MB
Advanced IP Services	C2691-advipservicesk9-mz	32MB	128MB
Advanced Enterprise Services	C2691-adventerprisek9-mz	32MB	128MB

For detailed information about these packages in Cisco IOS Software Release 12.3, please refer to:

Cisco 2600XM: [http://www.cisco.com/en/US/products/hw/routers/ps259/prod\\_bulletin09186a0080161082.html](http://www.cisco.com/en/US/products/hw/routers/ps259/prod_bulletin09186a0080161082.html)

Cisco 2691: [http://www.cisco.com/en/US/products/hw/routers/ps259/prod\\_bulletin09186a0080161083.html](http://www.cisco.com/en/US/products/hw/routers/ps259/prod_bulletin09186a0080161083.html)

### 3.3 New Packages for Cisco 3700 Series Routers

The new packages will be available for the Cisco 3725 and 3745 Routers.

Table 5 outlines the available new packages, image names, and Flash and DRAM memory requirements for Cisco 3700 Series Routers.

**Table 5.** New Packages for Cisco 3700 Series Routers

New Packages	Software Image	Required Flash Memory	Required DRAM Memory
IP Base	C37xx-ipbase-mz	32MB	128MB
IP Voice	C37xx-ipvoice-mz	32MB	128MB
Enterprise Base	C37xx-entbase-mz	32MB	128MB
Advanced Security	C37xx-advsecurityk9-mz	32MB	128MB
SP Services	C37xx-spservicesk9-mz	32MB	128MB
Enterprise Services	C37xx-entservicesk9-mz	32MB	128MB
Advanced IP Services	C37xx-advipservicesk9-mz	32MB	128MB
Advanced Enterprise Services	C37xx-adventerprisek9-mz	32MB	128MB

For detailed information about these packages in Cisco IOS Software Release 12.3, please refer to:

Cisco 3725: [http://www.cisco.com/en/US/products/hw/routers/ps282/prod\\_bulletin09186a0080161087.html](http://www.cisco.com/en/US/products/hw/routers/ps282/prod_bulletin09186a0080161087.html)

Cisco 3745: [http://www.cisco.com/en/US/products/hw/routers/ps282/prod\\_bulletin09186a0080161088.html](http://www.cisco.com/en/US/products/hw/routers/ps282/prod_bulletin09186a0080161088.html)

Customers who expect to deploy new Cisco IOS Software features and services in the Release 12.3T are encouraged to understand and evaluate the new feature sets as they will be the vehicle for new feature delivery.



## 4 MIGRATION GUIDE

Table 6 outlines the recommended migration path for each platform family and software image; these represent close fit migration paths for customers who migrate from old feature sets to the new packages, which will be introduced in Cisco IOS Software Release 12.3.

**Table 6.** Cisco IOS New Software Packaging Migration Guide

### Cisco 1700 Series Routers

Old Feature Sets	Suggested Migration Path(s)
IP ADSL c1700-y7-mz	IP Base c1700-ipbase-mz
IP VOX PLUS c1700-sv8y-mz IP VOICE PLUS c1700-sv3y-mz IP ADSL VOICE PLUS c1700-sv3y7-mz	IP Voice c1700-ipvoice-mz
IP IPX c1700-ny-mz IP IPX AT IBM c1700-bnr2y-mz IP ADSL IPX AT IBM PLUS c1700-bnr2sy7-mz	Enterprise Base c1700-entbase-mz
IP FW IDS c1700-o3y-mz IP FW IDS PLUS IPSEC 3DES c1700-k9sy7-mz IP ADSL FW IDS PLUS IPSEC 3DES c1700-k9o3sy7-mz IP ADSL PLUS IPSEC 3DES c1700-k9o3sy7-mz IP ADSL PLUS IPSEC 56 c1700-k8o3sy7-mz IP ADSL FW IDS PLUS IPSEC 56 c1700-k8o3sy7-mz	Advanced Security* c1700-advsecurityk9-mz
IP PLUS c1700-sy-mz IP ADSL c1700-y7-mz IP ADSL PLUS c1700-sy7-mz	SP Services* c1700-spservicesk9-mz

Old Feature Sets	Suggested Migration Path(s)
IP VOX PLUS c1700-sv8y-mz IP ADSL VOX PLUS c1700-sv8y7-mz IP ADSL VOICE PLUS c1700-sv3y7-mz	
	Enterprise Services* c1700-entservicesk9-mz
IP ADSL VOX FW IDS PLUS IPSEC 3DES c1700-sk9o3sv8y7-mz IP ADSL VOX FW IDS PLUS IPSEC 56 c1700-sk8o3sv8y7-mz IP ADSL VOICE FW IDS PLUS c1700-o3sv3y7-mz IP ADSL VOX PLUS IPSEC 3DES c1700-k9sv8y7-mz IP ADSL VOICE PLUS IPSEC 3DES c1700-k9sv3y7-mz IP ADSL VOICE PLUS IPSEC 56 c1700-k8sv3y7-mz IP ADSL VOICE FW IDS PLUS IPSEC 3DES c1700-k9o3sv3y7-mz IP ADSL VOICE FW IDS PLUS IPSEC 56 c1700-k8o3sv3y7-mz IP ADSL VOX PLUS IPSEC 56 c1700-k8sv8y7-mz	Advanced IP Services* c1700-advipservicesk9-mz
IP ADSL IPX VOX FW IDS PLUS IP ADSL IPX VOICE FW IDS PLUS IP ADSL IPX FW IDS PLUS IP ADSL IPX AT IBM FW IDS PLUS IPSEC 3DES IP ADSL IPX AT IBM FW IDS PLUS IPSEC 56 IP ADSL IPX AT IBM VOICE FW IDS PLUS IPSEC 56 IP ADSL IPX AT IBM VOICE FW IDS PLUS IPSEC 3DES IP ADSL IPX AT IBM VOX FW IDS PLUS IPSEC 56 IP ADSL IPX AT IBM VOX FW IDS PLUS IPSEC 3DES IP ADSL VOX FW IDS PLUS c1700-o3sv8y7-mz	Advanced Enterprise Services* c1700-adventerprisek9-mz

\* Note: Please refer to Section 4.1 for Export Control information.

For more detailed information about new packages and migration paths for Cisco 1700 Series Routers in Cisco IOS Software Release 12.3, please refer to: [http://www.cisco.com/en/US/products/sw/iosswrel/products\\_ios\\_cisco\\_ios\\_software\\_releases.html](http://www.cisco.com/en/US/products/sw/iosswrel/products_ios_cisco_ios_software_releases.html)

## Cisco 2600 Series Routers

Old Feature Sets	Suggested Migration Path(s)
IP c2600-i-mz	IP Base C2600-ipbase-mz
IP PLUS (for VoIP and VoFR support) c2600-is-mz	IP Voice C2600-ipvoice-mz
IP IPX APPLETALK c2600-bin-mz IP PLUS c2600-is-mz (for IBM protocol support) IP IPX APPLETALK PLUS (for IBM protocol support) c2600-bins-mz	Enterprise Base C2600-entbase-mz
IP PLUS IPSEC 56 c2600-ik8s-mz IP PLUS IPSEC 3DES c2600-ik9s-mz IP FW IDS c2600-io3-mz IP FW IDS PLUS IPSEC 56 c2600-ik8o3s-mz IP FW IDS PLUS IPSEC 3DES c2600-ik9o3s-mz	Advanced Security* C2600-advsecurityk9-mz
IP PLUS (for ATM support) c2600-is-mz	SP Services* C2600-spservicesk9-mz
IP IPX APPLETALK PLUS c2600-bins-mz ENTERPRISE PLUS c2600-js-mz	Enterprise Services* C2600-entservicesk9-mz
IP PLUS IPSEC 56 (for ATM and Voice support) c2600-ik8s-mz IP PLUS IPSEC 3DES (for ATM and Voice support) c2600-ik9s-mz IP FW IDS PLUS IPSEC 56 (for ATM and Voice support) c2600-ik8o3s-mz IP FW IDS PLUS IPSEC 3DES (for ATM and Voice support) c2600-ik9o3s-mz	Advanced IP Services* C2600-Advipservicesk9-mz

**Old Feature Sets**

IP FW IDS PLUS IPSEC 56 (for ATM and IBM support)  
c2600-ik8o3s-mz

IP FW IDS PLUS IPSEC 3DES (for ATM and IBM support)  
c2600-ik9o3s-mz

IP PLUS IPSEC 56 (for ATM and IBM support)  
c2600-ik8o3s-mz

IP PLUS IPSEC 3DES (for ATM and IBM support)  
c2600-ik9o3s-mz

IP IPX APPLETALK PLUS FW IDS  
ENTERPRISE FW IDS PLUS IPSEC 56  
c2600-ik8o3s-mz

ENTERPRISE FW IDS PLUS IPSEC 3DES  
c2600-ik9o3s-mz

ENTERPRISE PLUS IPSEC 56  
c2600-ik8s-mz

ENTERPRISE PLUS IPSEC 3DES  
c2600-ik9s-mz

C2600-adventerprisek9-mz

**Suggested Migration Path(s)**

Advanced Enterprise Services\*

\* Note: Please refer to Section 4.1 for Export Control information.

For more detailed information about new packages and migration paths for Cisco 2600 Series Routers in Cisco IOS Software Release 12.3, please refer to:

Cisco 2600XM: [http://www.cisco.com/en/US/products/hw/routers/ps259/prod\\_bulletin09186a0080161082.html](http://www.cisco.com/en/US/products/hw/routers/ps259/prod_bulletin09186a0080161082.html)

Cisco 2691: [http://www.cisco.com/en/US/products/hw/routers/ps259/prod\\_bulletin09186a0080161083.html](http://www.cisco.com/en/US/products/hw/routers/ps259/prod_bulletin09186a0080161083.html)

**Cisco 3725 Router****Old Feature Sets**

IP  
c3725-i-mz

IP PLUS (for Voice over IP and Voice over Frame Relay support)  
c3725-is-mz

IP IPX APPLETALK  
c3725-bin-mz

IP IPX APPLETALK PLUS (for IBM support)  
c3725-bins-mz

IP PLUS  
c3725-is-mz

**Suggested Migration Path(s)**

IP Base  
C3725-ipbase-mz

IP Voice  
C3725-ipvoice-mz

Enterprise Base  
C3725-entbase-mz

Old Feature Sets	Suggested Migration Path(s)
IP PLUS IPSEC 56 c3725-ik8s-mz IP PLUS IPSEC 3DES c3725-ik9s-mz IP FW IDS PLUS IPSEC 56 c3725-ik8o3s-mz IP FW IDS PLUS IPSEC 3DES c3725-ik9o3s-mz IP FW IDS c3725-io3-mz	Advanced Security* C3725-advsecurityk9-mz
IP PLUS (for ATM support) c3725-is-mz	SP Services* C3725-spservicesk9-mz
IP PLUS (for ATM, Voice, and IBM support) c3725-is-mz IP IPX APPLETALK PLUS C3725-bins-mz ENTERPISE PLUS C3725-js-mz	Enterprise Services* C3725-entservicesk9-mz
IP PLUS IPSEC 56 (for ATM and Voice support) c3725-ik8s-mz IP PLUS IPSEC 3DES (for ATM and Voice support) c3725-ik9s-mz IP FW IDS PLUS IPSEC 56 (for ATM and Voice support) c3725-ik8o3s-mz IP FW IDS PLUS IPSEC 3DES (for ATM and Voice support) c3725-ik9o3s-mz	Advanced IP Services* C3725-advipservicesk9-mz
ENTERPRISE FW IDS PLUS IPSEC 56 C3725-jk8o3s-mz ENTERPRISE FW IDS PLUS IPSEC 3DES C3725-jk9o3s-mz ENTERPRISE PLUS IPSEC 56 C3725-jk8s-mz ENTERPRISE PLUS IPSEC 3DES C3725-jk9s-mz IP FW IDS PLUS IPSEC 56 c3725-ik8o3s-mz IP FW IDS PLUS IPSEC 3DES c3725-ik9o3s-mz IP PLUS IPSEC 56	Advanced Enterprise Services* C3725-adventerprisek9-mz

Old Feature Sets	Suggested Migration Path(s)
c3725-ik8s-mz IP PLUS IPSEC 3DES c3725-ik9s-mz IP IPX APPLETALK PLUS FW IDS	

\* Note: Please refer to Section 4.1 for Export Control information.

For more detailed information about new packages and migration paths for Cisco 3725 Routers in Cisco IOS Software Release 12.3, please refer to Product Bulletin No. 2093, Release 12.3 Feature Sets for the Cisco 3725 Router:

[http://www.cisco.com/en/US/products/hw/routers/ps282/prod\\_bulletin09186a0080161087.html](http://www.cisco.com/en/US/products/hw/routers/ps282/prod_bulletin09186a0080161087.html)

### Cisco 3745 Routers

Old Feature Sets	Suggested Migration Path(s)
IP c3745-i-mz	IP Base C3745-ipbase-mz
IP PLUS c3745-is-mz	IP Voice 3745-ipvoice-mz
IP IPX APPLETALK c3745-bin-mz IP IPX APPLETALK PLUS c3745-bins-mz IP PLUS c3745-is-mz	Enterprise Base C3745-entbase-mz
IP PLUS IPSEC 56 c3745-ik8s-mz IP PLUS IPSEC 3DES c3745-ik9s-mz IP FW IDS PLUS IPSEC 56 c3745-ik8o3s-mz IP FW IDS PLUS IPSEC 3DES c3745-ik9o3s-mz IP FW IDS c3745-io3-mz	Advanced Security* C3745-advsecurityk9-mz
IP PLUS c3745-is-mz	SP Services* C3745-spservicesk9-mz

Old Feature Sets	Suggested Migration Path(s)
SERVICE PROVIDER IP PLUS c3745-is-mz IP IPX APPLETALK PLUS C3745-bins-mz ENTERPISE PLUS C3745-js-mz	Enterprise Services* C3745-entservicesk9-mz
IP PLUS IPSEC 56 c3745-ik8s-mz IP PLUS IPSEC 3DES c3745-ik9s-mz IP FW IDS PLUS IPSEC 56 c3745-ik8o3s-mz IP FW IDS PLUS IPSEC 3DES c3745-ik9o3s-mz	Advanced IP Services* C3745-advipservicesk9-mz
ENTERPRISE FW IDS PLUS IPSEC 56 C3745-jk8o3s-mz ENTERPRISE FW IDS PLUS IPSEC 3DES C3745-jk9o3s-mz ENTERPRISE PLUS IPSEC 56 C3745-jk8s-mz ENTERPRISE PLUS IPSEC 3DES C3745-jk9s-mz IP FW IDS PLUS IPSEC 56 c3745-ik8o3s-mz IP FW IDS PLUS IPSEC 3DES c3745-ik9o3s-mz IP PLUS IPSEC 56 c3745-ik8s-mz IP PLUS IPSEC 3DES c3745-ik9s-mz IP IPX APPLETALK PLUS FW IDS	Advanced Enterprise Services* C3745-adventerprisek9-mz

\* Note: Please refer to Section 4.1 for Export Control information.

For more detailed information about new packages and migration paths for Cisco 3745 Routers in Cisco IOS Software Release 12.3, please refer to Product Bulletin No. 2094, Release 12.3 Feature Sets for the Cisco 3745 Router:

[http://www.cisco.com/en/US/products/hw/routers/ps282/prod\\_bulletin09186a0080161088.html](http://www.cisco.com/en/US/products/hw/routers/ps282/prod_bulletin09186a0080161088.html)

#### **4.1 Export Controls**

Export controls on strong encryption (greater than 56-bit DES strength) vary according to type, strength, territory, end-use and end-user. Please visit the Cisco Encryption Sales Support Tool to determine eligibility for Cisco strong encryption solutions.

Send an email to Export Compliance ([export@cisco.com](mailto:export@cisco.com)) for clarification. Please include the word “crypto” or “encryption” in the subject line to ensure proper routing of your inquiry.

#### **5 SUPPORT**

Cisco IOS Software Release 12.3 follows the standard Cisco IOS Software support policy in terms of End-of-Sales, End-of-Engineering and End-of-Life as defined in.

To learn more about the older feature sets and memory implications of the new feature sets for a specific platform, please refer to:

<http://tools.cisco.com/ITDIT/CFN/jsp/index.jsp>

#### **6 DOWNLOAD INFORMATION**

Customers with a SMARTNet contract can download the new Cisco IOS Software packages from the Software Image Library:

<http://www.cisco.com/public/sw-center/sw-ios.shtml>

Note that SmartNet and other support contracts are transferable to any image suggested as a migration path.

#### **7 REFERENCES**

##### **Cisco IOS Packaging**

<http://www.cisco.com/go/packaging/>

##### **Cisco IOS Software Release**

<http://www.cisco.com/go/release123/>

##### **Cisco Feature Navigator**

<http://tools.cisco.com/ITDIT/CFN/jsp/index.jsp>

##### **Cisco IOS Packaging questions**

[iospackaging@cisco.com](mailto:iospackaging@cisco.com)



**Corporate Headquarters**

Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
www.cisco.com  
Tel: 408 526-4000  
800 553-NETS (6387)  
Fax: 408 526-4100

**European Headquarters**

Cisco Systems International BV  
Haarlerbergpark  
Haarlerbergweg 13-19  
1101 CH Amsterdam  
The Netherlands  
www-europe.cisco.com  
Tel: 31 0 20 357 1000  
Fax: 31 0 20 357 1100

**Americas Headquarters**

Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
www.cisco.com  
Tel: 408 526-7660  
Fax: 408 527-0883

**Asia Pacific Headquarters**

Cisco Systems, Inc.  
168 Robinson Road  
#28-01 Capital Tower  
Singapore 068912  
www.cisco.com  
Tel: +65 6317 7777  
Fax: +65 6317 7799

Cisco Systems has more than 200 offices in the following countries and regions. Addresses, phone numbers, and fax numbers are listed on **the Cisco Website at [www.cisco.com/go/offices](http://www.cisco.com/go/offices).**

Argentina • Australia • Austria • Belgium • Brazil • Bulgaria • Canada • Chile • China PRC • Colombia • Costa Rica • Croatia • Cyprus  
Czech Republic • Denmark • Dubai, UAE • Finland • France • Germany • Greece • Hong Kong SAR • Hungary • India • Indonesia • Ireland • Israel  
Italy • Japan • Korea • Luxembourg • Malaysia • Mexico • The Netherlands • New Zealand • Norway • Peru • Philippines • Poland • Portugal  
Puerto Rico • Romania • Russia • Saudi Arabia • Scotland • Singapore • Slovakia • Slovenia • South Africa • Spain • Sweden • Switzerland • Taiwan  
Thailand • Turkey • Ukraine • United Kingdom • United States • Venezuela • Vietnam • Zimbabwe

Copyright © 2005 Cisco Systems, Inc. All rights reserved. CCSP, CCVP, the Cisco Square Bridge logo, Follow Me Browsing, and StackWise are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play, and Learn, and iQuick Study are service marks of Cisco Systems, Inc.; and Access Registrar, Aironet, ASIST, BPX, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Empowering the Internet Generation, Enterprise/Solver, EtherChannel, EtherFast, EtherSwitch, Fast Step, FormShare, GigaDrive, GigaStack, HomeLink, Internet Quotient, IOS, IP/TV, iQ Expertise, the iQ logo, iQ Net Readiness Scorecard, LightStream, Linksys, MeetingPlace, MGX, the Networkers logo, Networking Academy, Network Registrar, Packet, PIX, Post-Routing, Pre-Routing, ProConnect, RateMUX, ScriptShare, SlideCast, SMARTnet, StrataView Plus, TeleRouter, The Fastest Way to Increase Your Internet Quotient, and TransPath are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or Website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0502R) 205393.B\_ETMG\_PI\_9.05

