



PRODUCT BULLETIN NO. 2877

CISCO IOS SOFTWARE RELEASES 12.4 MAINLINE AND 12.4T FEATURE SETS FOR THE CISCO 3800 SERIES ROUTERS

This product bulletin details changes to the Cisco IOS® Software packaging for Cisco® 3800 Series routers. It introduces four new cross-platform feature sets in Cisco IOS Software releases 12.4 Mainline and 12.4T.

Note: This product bulletin covers the packaging of functions into feature sets. It does not cover individual new features. For information about new features in Cisco IOS Software releases 12.4 Mainline and 12.4T, refer to the Cisco IOS Software pages at Cisco.com.

OVERVIEW

The Cisco 2800 and 3800 integrated service routers were introduced exclusively on these eight new cross-platform feature sets. Similar to 12.3T, Cisco IOS Software releases 12.4 Mainline and 12.4T consist exclusively of the cross-platform feature.

Table 1. Type of Feature Sets by Release Train

Cisco IOS Software Release 12.3 Mainline	Cisco IOS Software Release 12.3T	Cisco IOS Software Releases 12.4 Mainline and 12.4T
Classic Feature Sets		
Cross-platform feature sets	Cross-platform feature sets	Cross-platform feature sets
Special-purpose feature sets	Special-purpose feature sets	Special-purpose feature sets

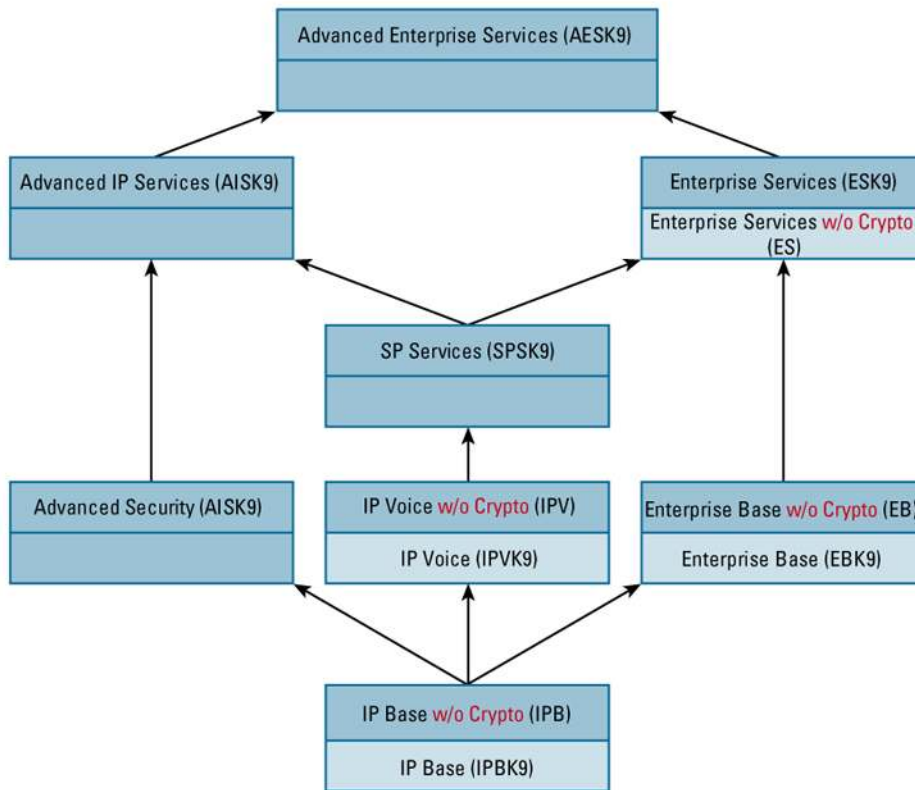
In addition to the eight cross-platform feature sets that were released with Cisco IOS Software releases 12.3T and 12.3 Mainline, four additional cross-platform feature sets will be added starting with 12.4 Mainline and 12.4T. Derivatives of the existing eight feature sets, these four new feature sets were created to address router management capabilities. The new feature sets are described in Table 2.

Table 2. New Feature Sets for Cisco IOS Software Releases 12.4 and 12.4T

Image Name	Cisco IOS Software Release 12.3 and Prior	Image Name	Cisco IOS Software Release 12.4 and Forward
		IP Base	New
IP Base	X	IP Base without Crypto	Renamed
		Enterprise Base	New
Enterprise Base	X	Enterprise Base without Crypto	Renamed
		IP Voice	New
IP Voice	X	IP Voice without Crypto	Renamed
Advanced Security	X	Advanced Security	X
SP Services	X	SP Services	X
Advanced IP Services	X	Advanced IP Services	X
		Enterprise Services without Crypto	New
Enterprise Services	X	Enterprise Services	X
Advanced Enterprise Services	X	Advanced Enterprise Services	X

Note that there is a name change for the feature sets that previously had no cryptography technology, and this fact is now reflected in their titles. Going forward, the new feature sets that have cryptography technology will have the basic title without any cryptography designator.

Figure 1. Reformation Feature Map



The remainder of this product bulletin provides details of feature set availability in Cisco IOS Software releases 12.4 Mainline and 12.4T.

CISCO IOS SOFTWARE RELEASE 12.4 MAINLINE

Overview of Available Feature Sets in Cisco IOS Software Release 12.4 Mainline

Table 3 lists the Cisco IOS Software Release 12.4 Mainline feature sets that are available for the Cisco 3800 Series routers.

Note that the flash memory recommendations are calculated without added management tools such as Cisco Security Device Manager (SDM).

Table 3. Cisco 3825—12.4M Feature Set Memory Recommendations

Software Product Description		
Product ID		
Product Description	Recommended Flash	Recommended DRAM
Image Filename	12.4M	12.4M
S382AESK9 Cisco 3825 IOS ADVANCED ENTERPRISE SERVICES c3825-adventerprisek9-mz	64	256
S382AVSK9 Cisco 3825 IOS ADVANCED ENTERPRISE SERVICES WITH INTEGRATED VOICE/VIDEO GATEKEEPER, IP-IP GATEWAY, TDM-IP GATEWAY c3825-adventerprisek9_ivs-mz	64	256
S382SNAK9 Cisco 3825 IOS ADVANCED ENTERPRISE SERVICES WITH SNA SWITCHING c3825-adventerprisek9_sna-mz	64	256
S382AISK9 Cisco 3825 IOS ADVANCED IP SERVICES c3825-advipservicesk9-mz	64	256
S382ASK9 Cisco 3825 IOS ADVANCED SECURITY c3825-advsecurityk9-mz	64	256
S382EB Cisco 3825 IOS ENTERPRISE BASE WITHOUT CRYPTO c3825-entbase-mz	64	256
S382EBK9 Cisco 3825 IOS ENTERPRISE BASE c3825-entbasek9-mz	64	256
S382ES Cisco 3825 IOS ENTERPRISE SERVICES WITHOUT CRYPTO c3825-entservices-mz	64	256
S382ESK9 Cisco 3825 IOS ENTERPRISE SERVICES c3825-entservicesk9-mz	64	256
S382IPB Cisco 3825 IOS IP BASE WITHOUT CRYPTO c3825-ipbase-mz	64	256
S382IPBK9 Cisco 3825 IOS IP BASE c3825-ipbasek9-mz	64	256
S382IPV Cisco 3825 IOS IP VOICE WITHOUT CRYPTO c3825-ipvoice-mz	64	256

Software Product Description**Product ID****Product Description****Image Filename****Recommended Flash
12.4M****Recommended DRAM
12.4M**

S382IVS Cisco 3825 IOS IP VOICE WITH INTEGRATED VOICE/VIDEO GATEKEEPER, IP-IP GATEWAY, TDM-IP GATEWAY c3825-ipvoice_ivs-mz	64	256
S382IPVK9 Cisco 3825 IOS IP VOICE c3825-ipvoicek9-mz	64	256
S382SPSK9 Cisco 3825 IOS SP SERVICES c3825-spservicesk9-mz	64	256
S384AESK9 Cisco 3845 IOS ADVANCED ENTERPRISE SERVICES c3845-adventerprisek9-mz	64	256
S384AVSK9 Cisco 3845 ADVANCED ENTERPRISE SERVICES WITH INTEGRATED VOICE/VIDEO GATEKEEPER, IP-IP GATEWAY, TDM-IP GATEWAY c3845-adventerprisek9_ivs-mz	64	256
S384SNAK9 Cisco 3845 IOS ADVANCED ENTERPRISE SERVICES WITH SNA SWITCHING c3845-adventerprisek9_sna-mz	64	256
S384AISK9 Cisco 3845 IOS ADVANCED IP SERVICES c3845-advipservicesk9-mz	64	256
S384ASK9 Cisco 3845 IOS ADVANCED SECURITY c3845-advsecurityk9-mz	64	256
S384EB Cisco 3845 IOS ENTERPRISE BASE WITHOUT CRYPTO c3845-entbase-mz	64	256
S384EBK9 Cisco 3845 IOS ENTERPRISE BASE c3845-entbasek9-mz	64	256
S384ES Cisco 3845 IOS ENTERPRISE SERVICES WITHOUT CRYPTO c3845-entservices-mz	64	256
S384ESK9 Cisco 3845 IOS ENTERPRISE SERVICES c3845-entservicesk9-mz	64	256

Software Product Description		
Product ID		
Product Description	Recommended Flash	Recommended DRAM
Image Filename	12.4M	12.4M
S384IPB Cisco 3845 IOS IP BASE WITHOUT CRYPTO c3845-ipbase-mz	64	256
S384IPBK9 Cisco 3845 IOS IP BASE c3845-ipbasek9-mz	64	256
S384IPV Cisco 3845 IOS IP VOICE WITHOUT CRYPTO c3845-ipvoice-mz	64	256
S384IVS Cisco 3845 IOS IP VOICE WITH INTEGRATED VOICE/VIDEO GATEKEEPER, IP-IP GATEWAY, TDM-IP GATEWAY c3845-ipvoice_ivs-mz	64	256
S384IPVK9 Cisco 3845 IOS IP VOICE c3845-ipvoicek9-mz	64	256
S384SPSK9 Cisco 3845 IOS SP SERVICES c3845-spservicesk9-mz	64	256

CISCO IOS SOFTWARE RELEASE 12.4T

Overview of Available Feature Sets in Cisco IOS Software Release 12.4T

Table 4 lists the Cisco IOS Software Release 12.3T feature sets available for the Cisco 3800 Series routers.

Note that the flash memory recommendations in the table are calculated without added management tools such as Cisco SDM.

Table 4. Cisco 3825—12.4T Feature Set Memory Recommendations

Software Product Description		
Product ID		
Product Description	Recommended Flash	Recommended
Image Filename	12.4T	DRAM 12.4T
S382AESK9 Cisco 3825 IOS ADVANCED ENTERPRISE SERVICES c3825-adventerprisek9-mz	64	256
S382AVSK9 Cisco 3825 IOS ADVANCED ENTERPRISE SERVICES WITH INTEGRATED VOICE/VIDEO GATEKEEPER, IP-IP GATEWAY, TDM-IP GATEWAY c3825-adventerprisek9_ivs-mz	64	256

Software Product Description**Product ID****Product Description****Image Filename****Recommended Flash
12.4T****Recommended
DRAM 12.4T**

S382SNAK9 Cisco 3825 IOS ADVANCED ENTERPRISE SERVICES WITH SNA SWITCHING c3825-adventerprisek9_sna-mz	64	256
S382AISK9 Cisco 3825 IOS ADVANCED IP SERVICES c3825-advipservicesk9-mz	64	256
S382ASK9 Cisco 3825 IOS ADVANCED SECURITY c3825-advsecurityk9-mz	64	256
S382EB Cisco 3825 IOS ENTERPRISE BASE WITHOUT CRYPTO c3825-entbase-mz	64	256
S382EBK9 Cisco 3825 IOS ENTERPRISE BASE c3825-entbasek9-mz	64	256
S382ES Cisco 3825 IOS ENTERPRISE SERVICES WITHOUT CRYPTO c3825-entservices-mz	64	256
S382ESK9 Cisco 3825 IOS ENTERPRISE SERVICES c3825-entservicesk9-mz	64	256
S382IPB Cisco 3825 IOS IP BASE WITHOUT CRYPTO c3825-ipbase-mz	64	256
S382IPBK9 Cisco 3825 IOS IP BASE c3825-ipbasek9-mz	64	256
S382IPV Cisco 3825 IOS IP VOICE WITHOUT CRYPTO c3825-ipvoice-mz	64	256
S382IVS Cisco 3825 IOS IP VOICE WITH INTEGRATED VOICE/VIDEO GATEKEEPER, IP-IP GATEWAY, TDM-IP GATEWAY c3825-ipvoice_ivs-mz	64	256
S382IPVK9 Cisco 3825 IOS IP VOICE c3825-ipvoicek9-mz	64	256

Software Product Description**Product ID****Product Description****Image Filename****Recommended Flash
12.4T****Recommended
DRAM 12.4T**

S382SPSK9 Cisco 3825 IOS SP SERVICES c3825-spservicesk9-mz	64	256
S384AESK9 Cisco 3845 IOS ADVANCED ENTERPRISE SERVICES c3845-adventerprisek9-mz	64	256
S384AVSK9 Cisco 3845 ADVANCED ENTERPRISE SERVICES WITH INTEGRATED VOICE/VIDEO GATEKEEPER, IP-IP GATEWAY, TDM-IP GATEWAY c3845-adventerprisek9_ivs-mz	64	256
S384SNAK9 Cisco 3845 IOS ADVANCED ENTERPRISE SERVICES WITH SNA SWITCHING c3845-adventerprisek9_sna-mz	64	256
S384AISK9 Cisco 3845 IOS ADVANCED IP SERVICES c3845-advipservicesk9-mz	64	256
S384ASK9 Cisco 3845 IOS ADVANCED SECURITY c3845-advsecurityk9-mz	64	256
S384EB Cisco 3845 IOS ENTERPRISE BASE WITHOUT CRYPTO c3845-entbase-mz	64	256
S384EBK9 Cisco 3845 IOS ENTERPRISE BASE c3845-entbasek9-mz	64	256
S384ES Cisco 3845 IOS ENTERPRISE SERVICES WITHOUT CRYPTO c3845-entservices-mz	64	256
S384ESK9 Cisco 3845 IOS ENTERPRISE SERVICES c3845-entservicesk9-mz	64	256
S384IPB Cisco 3845 IOS IP BASE WITHOUT CRYPTO c3845-ipbase-mz	64	256
S384IPBK9 Cisco 3845 IOS IP BASE c3845-ipbasek9-mz	64	256

Software Product Description

Product ID

Product Description

Image Filename

Recommended Flash 12.4T

Recommended DRAM 12.4T

S384IPV Cisco 3845 IOS IP VOICE WITHOUT CRYPTO c3845-ipvoice-mz	64	256
S384IVS Cisco 3845 IOS IP VOICE WITH INTEGRATED VOICE/VIDEO GATEKEEPER, IP-IP GATEWAY, TDM-IP GATEWAY c3845-ipvoice_ivs-mz	64	256
S384IPVK9 Cisco 3845 IOS IP VOICE c3845-ipvoicek9-mz	64	256
S384SPSK9 Cisco 3845 IOS SP SERVICES c3845-spservicesk9-mz	64	256

Feature Area Map for Cisco IOS Software Release 12.4 Cross-Platform Feature Sets

The cross-platform feature sets are tailored to ease the choice of feature sets in a multiplatform environment. They were initially available for Cisco 1700, 2600XM, 3725, and 3745 series routers and the Cisco 2691 Multiservice Platform and are now also available for the Cisco 1800, 2800, and 3800 series routers. The cross-platform feature sets simplify the image selection process by providing similar functions across platform boundaries.

Table 5. Feature Area Map

	Basic IP Connectivity for Data	Voice over IP, Voice over Frame Relay	ATM, Voice over ATM, MPLS	AppleTalk, IPX, IBM protocols	Firewall Intrusion Detection Sensor, VPN	SSH, HTTPS SNMPv3
IP Base	X					X
IP Base without Crypto	X					
Enterprise Base	X			X		X
Enterprise Base without Crypto	X			X		
IP Voice	X	X				X
IP Voice without Crypto	X	X				
Advanced Security	X				X	X
SP Services	X	X	X			X
Advanced IP Services	X	X	X		X	X
Enterprise Services without Crypto	X	X	X	X		

	Basic IP Connectivity for Data	Voice over IP, Voice over Frame Relay	ATM, Voice over ATM, MPLS	AppleTalk, IPX, IBM protocols	Firewall Intrusion Detection Sensor, VPN	SSH, HTTPS SNMPv3
Enterprise Services	X	X	X	X		X
Advanced Enterprise Services	X	X	X	X	X	X



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.**

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) 205276.BZ_ETMG_JR_5.05

