

Cisco IOS Software Release 15.0 Feature Sets and Memory Recommendations for Cisco 3800 Series Integrated Services Routers

This product bulletin specifies the software feature sets available for Cisco® 3800 Series Integrated Services Routers with Cisco IOS® Software Release 15.0. It also issues recommendations for flash and DRAM memory configuration.

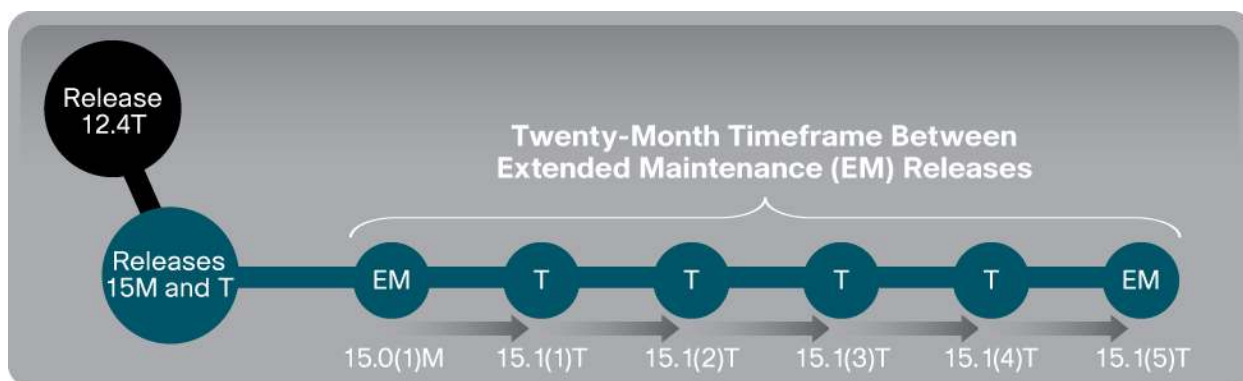
Note: This product bulletin covers the Cisco IOS Software Release model changes from Cisco IOS Software Releases 12.4 Mainline and 12.4T for the Cisco 3800 Series Integrated Services Routers. It does not cover individual new features. For information about new features in Cisco IOS Software Release 15.0, refer to the Cisco IOS Software pages at Cisco.com.

Overview

Cisco IOS Software Release 15.0 follows Release 12.4(24)T. Created for wide deployment in the world's most demanding enterprise, access, and service provider networks, Cisco IOS Software Release 15.0 provides a comprehensive portfolio of Cisco technologies, functions, and hardware support from Releases 12.4 and 12.4T, anchored by an intensive stability and testing program. Important innovations span multiple technology areas, including security, voice, high availability, IP Routing and Multicast, quality of service (QoS), IP Mobility, Multiprotocol Label Switching (MPLS), VPNs, and Cisco IOS MPLS Embedded Management.

Cisco IOS Software Release 15.0 can help you by providing new feature and hardware support more quickly than in previous Mainline (M) and Technology (T) releases, broadened feature consistency with other major Cisco IOS Software Releases, more predictable new feature release and rebuild schedules, proactive individual release support policies, enhanced release numbering, and clearer software deployment and migration guidelines. Figure 1 details Cisco IOS Software Release 15.0.

Figure 1. Release 15.0 Train Map



Unlike the traditional Cisco IOS Software M and T releases, Cisco IOS Software Release 15.0 does not diverge into separate M and T software release trains. Beginning with 15.0, new releases will be available 2 to 3 times per year, delivered sequentially from a single software train. Extended Maintenance (EM) releases will be available approximately every 20 months. Standard maintenance T releases enable faster Cisco feature delivery before the next EM release becomes available.

The remainder of this product bulletin provides details about Cisco IOS Software Release 15.0 availability for the Cisco 3800 Series routers and the associated flash and DRAM memory requirements.

Cisco IOS Software Release 15.0 Feature Sets and Memory Recommendations

Cisco 3825 Feature Sets and Memory Recommendations

Table 1 lists the Cisco IOS Software Release 15.0 feature sets that are available for the Cisco 3825 Integrated Services Router. Note that the flash memory recommendations given in the table are calculated without added management tools such as Cisco Configuration Professional. For more feature details refer to the data sheet for the Cisco 3825 Integrated Services Routers at: <http://www.cisco.com/en/US/products/ps5857/index.html> and the data sheet for the Cisco 3845 Integrated Services Router at: <http://www.cisco.com/en/US/products/ps5856/index.html>.

Table 1. Cisco 3825 Integrated Services Routers with Cisco IOS Software Release 15.0 Feature Set Memory Recommendations

| Part Number | Product Description | Image Filename | Recommended Flash Memory for Release 15.0 | Recommended DRAM for Release 15.0 |
|---|--|------------------------------|---|-----------------------------------|
| S382AESK9 S382UAESK9 S382UASK9A S382USPSK9 | Advanced Enterprise Services | c3825-adventerprisek9-mz | 128 MB | 512 MB |
| S382AVSK9 | Advanced Enterprise Services with Integrated Voice/Video Gatekeeper, IP-IP Gateway, and TDM-IP Gateway | 3825-adventerprisek9_ivs-mz | 128 MB | 512 MB |
| S382SNAK9 | Advanced Enterprise Services with SNA Switching | c3825-adventerprisek9_sna-mz | 128 MB | 512 MB |
| S382AISK9 S382RAISK9 S382UAISK9 S382UASK9B | Advanced IP Services | c3825-advipservicesk9-mz | 128 MB | 512 MB |
| S382ASK9 S382RAISK9 | Advanced Security | c3825-advsecurityk9-mz | 64 MB | 256 MB |
| S382EB | Enterprise Base without cryptology features | c3825-entbase-mz | 64 MB | 256 MB |
| S382EBK9 | Enterprise Base | c3825-entbasek9-mz | 64 MB | 256 MB |
| S382ES | Enterprise Services without cryptology features | c3825-entservices-mz | 128 MB | 512 MB |
| S382ESK9 S382UESK9 | Enterprise Services | c3825-entservicesk9-mz | 128 MB | 512 MB |
| S382IPB | IP Base without cryptology features | c3825-ipbase-mz | 64 MB | 256 MB |
| S382IPBK9 | IP Base | c3825-ipbasek9-mz | 64 MB | 256 MB |
| S382IPV | IP Voice without cryptology features | c3825-ipvoice-mz | 128 MB | 512 MB |
| S382IVS | IP Voice with Integrated Voice/Video Gatekeeper, IP-IP Gateway, and TDM-IP Gateway | c3825-ipvoice_ivs-mz | 128 MB | 512 MB |
| S382IPVK9 | IP Voice | c3825-ipvoicek9-mz | 128 MB | 512 MB |
| S382SPSK9 S382RSPSK9 | SP Services | c3825-spservicesk9-mz | 128 MB | 512 MB |

Cisco 3845 Feature Sets and Memory Recommendations

Table 2 lists the Cisco IOS Software Release 15.0 feature sets that are available for the Cisco 3845 Integrated Services Routers. Note that the flash memory recommendations given in the table are calculated without added management tools such as Cisco Configuration Professional.

Table 2. Cisco 3845 Integrated Services Routers with Cisco IOS Software Release 15.0 Feature Set Memory Recommendations

| Part Number | Product Description | Image Filename | Recommended Flash Memory for Release 15.0 | Recommended DRAM for Release 15.0 |
|---|--|------------------------------|---|-----------------------------------|
| S384AESK9 S384UAESK9 S384UASK9A S384USPSK9 | Advanced Enterprise Services | c3845-adventerprisek9-mz | 128 MB | 512 MB |
| S384AVSK9 | Advanced Enterprise Services with Integrated Voice/Video Gatekeeper, IP-IP Gateway, and TDM-IP Gateway | c3845-adventerprisek9_ivs-mz | 128 MB | 512 MB |
| S384SNAK9 | Advanced Enterprise Services with SNA Switching | c3845-adventerprisek9_sna-mz | 128 MB | 512 MB |
| S384AISK9 S384RAISK9 S384UAISK9 S384UASK9B | Advanced IP Services | c3845-advipservicesk9-mz | 128 MB | 512 MB |
| S384ASK9 S384RAISK9 | Advanced Security | c3845-advsecurityk9-mz | 64 MB | 256 MB |
| S384EB | Enterprise Base without cryptology features | c3845-entbase-mz | 64 MB | 256 MB |
| S384EBK9 | Enterprise Base | c3845-entbasek9-mz | 64 MB | 256 MB |
| S384ES | Enterprise Services without cryptology features | c3845-entservices-mz | 128 MB | 512 MB |
| S384ESK9 S384UESK9 | Enterprise Services | c3845-entservicesk9-mz | 128 MB | 512 MB |
| S384IPB | IP Base without cryptology features | c3845-ipbase-mz | 64 MB | 256 MB |
| S384IPBK9 | IP Base | c3845-ipbasek9-mz | 64 MB | 256 MB |
| S384IPV | IP Voice without cryptology features | c3845-ipvoice-mz | 128 MB | 512 MB |
| S384IVS | IP Voice with Integrated Voice/Video Gatekeeper, IP-IP Gateway, and TDM-IP Gateway | c3845-ipvoice_ivs-mz | 128 MB | 512 MB |
| S384IPVK9 | IP Voice | c3845-ipvoicek9-mz | 128 MB | 512 MB |
| S384SPSK9 S384RSPSK9 | SP Services | c3845-spservicesk9-mz | 128 MB | 512 MB |

Feature Area Map for Cisco IOS Software Release 15.0 Cross-Platform Feature Sets

For Cisco IOS Software Release 15.0, the cross-platform feature sets remain the same as those for Cisco IOS Software Releases 12.4 Mainline and 12.4T. These cross-platform feature sets simplify the image selection process by providing similar functions across platform boundaries.

Table 3. Feature Area Map

| | Basic IP Connectivity for Data | Voice over IP and Voice over Frame Relay | ATM, Voice over ATM, and MPLS | AppleTalk, Internetwork Packet Exchange (IPX), and IBM Protocols | Firewall, Intrusion Protection and VPN | Secure Shell (SSH) Protocol, HTTPS, and Simple Network Management Protocol Version 3 (SNMPv3) |
|---|--------------------------------|--|-------------------------------|--|--|---|
| IP Base | X | | | | | X |
| IP Base without cryptology | X | | | | | |
| Enterprise Base | X | | | X | | X |
| Enterprise Base without cryptology | X | | | X | | |
| IP Voice | X | X | | | | X |
| IP Voice without cryptology | X | X | | | | |
| Advanced Security | X | | | | X | X |
| SP Services | X | X | X | | | X |
| Advanced IP Services | X | X | X | | X | X |
| Enterprise Services without cryptology | X | X | X | X | | |
| Enterprise Services | X | X | X | X | | X |
| Advanced Enterprise Services | X | X | X | X | | X |

For More Information

For more information about Cisco IOS Software Release 15.0 or for a list of new features or software release notes, please visit

http://www.cisco.com/en/US/products/sw/iosswrel/products_ios_cisco_ios_software_category_home.html or contact your local Cisco account representative.



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