

# Feature Support

Cisco IOS software is packaged in feature sets that consist of software images that support specific platforms. The feature sets available for a specific platform depend on which Cisco IOS software images are included in a release. Each feature set contains a specific set of Cisco IOS features.



## Caution

Cisco IOS images with strong encryption (including, but not limited to 168-bit (3DES) data encryption feature sets) are subject to U.S. government export controls and have limited distribution. Strong encryption images to be installed outside the United States are likely to require an export license. Customer orders may be denied or subject to delay because of U.S. government regulations. When applicable, the purchaser/user must obtain local import and use authorizations for all encryption strengths. Please contact your sales representative or distributor for more information, or send an e-mail to [export@cisco.com](mailto:export@cisco.com).

The feature set tables have been removed from the Cisco IOS Release 12.0 release notes to improve the usability of the release notes documentation. The feature-to-image mapping that was provided by the feature set tables is available through Cisco Feature Navigator.

Cisco Feature Navigator is a web-based tool that enables you to determine which Cisco IOS software images support a specific set of features and which features are supported in a specific Cisco IOS image. You can search by feature or by feature set (software image). Under the release section, you can compare Cisco IOS software releases side by side to display both the features unique to each software release and the features that the releases have in common.

To access Cisco Feature Navigator, you must have an account on Cisco.com. If you have forgotten or lost your account information, send a blank e-mail to [cco-locksmith@cisco.com](mailto:cco-locksmith@cisco.com). An automatic check will verify that your e-mail address is registered with Cisco.com. If the check is successful, account details with a new random password will be e-mailed to you. Qualified users can establish an account on Cisco.com by following the directions found at this URL:

<http://www.cisco.com/register>

Cisco Feature Navigator is updated regularly when major Cisco IOS software releases and technology releases occur. For the most current information, go to the Cisco Feature Navigator home page at the following URL:

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

For frequently asked questions about Cisco Feature Navigator, see the FAQs at the following URL:

<http://www.cisco.com/support/FeatureNav/FNFAQ.html>

### Determining Which Software Images (Feature Sets) Support a Specific Feature

To determine which software images (feature sets) in Cisco IOS Release 12.0 support a specific feature, go to the Cisco Feature Navigator home page, enter your Cisco.com login, and perform the following steps:

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- Step 1** From the Cisco Feature Navigator home page, click **Feature**.
  - Step 2** To find a feature, use either “Search by full or partial feature name” or “Browse features in alphabetical order.” Either a list of features that match the search criteria or a list of features that begin with the number or letter selected from the ordered list will be displayed in the text box on the left side of the web page.
  - Step 3** Select a feature from the left text box, and click the **Add** button to add a feature to the Selected Features text box on the right side of the web page.

**Note**

To learn more about a feature in the list, click the **Description** button below the left box.

Repeat this step to add additional features. A maximum of 20 features can be chosen for a single search.

- Step 4** Click **Continue** when you are finished selecting features.
- Step 5** From the Major Release drop-down menu, choose **12.0**.
- Step 6** From the Release drop-down menu, choose the appropriate maintenance release.
- Step 7** From the Platform Family drop-down menu, select the appropriate hardware platform. The “Your selections are supported by the following:” table will list all the software images (feature sets) that support the feature(s) that you selected.

### Determining Which Features Are Supported in a Specific Software Image (Feature Set)

To determine which features are supported in a specific software image (feature set) in Cisco IOS Release 12.0, go to the Cisco Feature Navigator home page, enter your Cisco.com login, and perform the following steps:

- Step 1** From the Cisco Feature Navigator home page, click **Compare/Release**.
- Step 2** In the “Find the features in a specific Cisco IOS release, using one of the following methods:” box, choose **12.0** from the Cisco IOS Major Release drop-down menu.
- Step 3** Click **Continue**.
- Step 4** From the Release drop-down menu, choose the appropriate maintenance release.
- Step 5** From the Platform Family drop-down menu, choose the appropriate hardware platform.
- Step 6** From the Feature Set drop-down menu, choose the appropriate feature set. The “Your selections are supported by the following:” table will list all the features that are supported by the feature set (software image) that you selected.

Table 4 lists the Cisco IOS software feature set matrix and associated image names available in Cisco IOS Release 12.0.

**Table 4** Cisco IOS Release 12.0 Supported Feature Sets

Feature Set	Software Image	Platform/Model
Desktop	c5200-d-l	Cisco AS5200
	c5300-d-mz	Cisco AS5300
Desktop Plus	c5200-ds-l	Cisco AS5200
	c5300-ds-mz	Cisco AS5300
Desktop/IBM	c5rsm-dsv-mz	Cisco Catalyst 5000 RSM
	c7200-ds-mz	Cisco 7200
	rsp-dsv-mz	Cisco 7505 /7507 /7513 /RSP7000
Desktop/IBM/APPN	rsp-ajsv-mz	Cisco 7505 /7507 /7513 /RSP7000
Desktop/IBM 40	c5rsm-dsv40-mz	Cisco Catalyst 5000 RSM

**Table 4 Cisco IOS Release 12.0 Supported Feature Sets (continued)**

Feature Set	Software Image	Platform/Model
	c7200-ds40-mz	Cisco 7200
	rsp-dsv40-mz	Cisco 7505 /7507 /7513 /RSP7000
Desktop/IBM IPsec 56	c5rsm-dsv56i-mz	Cisco Catalyst 5000 RSM
	rsp-dsv56i-mz	Cisco 7505 /7507 /7513 /RSP7000
	c7200-ds56i-mz	Cisco 7200
Enterprise	c5200-j-l	Cisco AS5200
	c5300-j-mz	Cisco AS5300
	c7200-js-mz	Cisco 7200
	rsp-jsv-mz	Cisco 7505 /7507 /7513 /RSP7000
Enterprise 40	c7200-js40-mz	Cisco 7200
	rsp-jsv40-mz	Cisco 7505 /7507 /7513 /RSP7000
Enterprise IPsec 56	c7200-js56i-mz	Cisco 7200
	rsp-jsv56i-mz	Cisco 7505 /7507 /7513 /RSP7000
Enterprise Plus	c2500-js-l	Cisco 2501-2525
	c2600-js-mz	Cisco 2610-2612
	c3620-js-mz	Cisco 3620
	c3640-js-mz	Cisco 3640 and Cisco 3640A
	c4000-js-mz	Cisco 4000 /4000-M
	c4500-aejs40-mz	Cisco 4000
	c4500-js-mz	Cisco 4500 /4700 /4500-M
	c5200-js-l	Cisco AS5200
	c5300-js-mz	Cisco AS5300
Enterprise Plus 40	c2600-js40-mz	Cisco 2610-2612
	c3620-js40-mz	Cisco 3620
	c3640-js40-mz	Cisco 3640 and Cisco 3640A
	c4000-js40-mz <sup>1</sup>	Cisco 4000 /4000-M
	c4500-js40-mz	Cisco 4500 /4700 /4500-M /4700-M
	c5300-js40-mz	Cisco AS5300
Enterprise Plus 56	c2600-js56-mz <sup>2</sup>	Cisco 2610-2612
Enterprise Plus IPsec 56	c2500-js56i-l	Cisco 2501-2525 /2501CF-2502CF/ 2520CF-2523CF /2520LF-2523LF
	c2600-js56i-mz	Cisco 2610-2612
	c3620-js56i-mz	Cisco 3620
	c3640-js56i-mz	Cisco 3640 and Cisco 3640A
	c4000-js56i-mz	Cisco 4000 /4000-M
	c4500-aejs56i-mz	Cisco 4000

**Table 4 Cisco IOS Release 12.0 Supported Feature Sets (continued)**

Feature Set	Software Image	Platform/Model
Enterprise/APPN	c4500-js56i-mz	Cisco 4500 /4700 /4500-M
	c5300-js56i-mz	Cisco AS5300
	c5rsm-ajsv-mz	Cisco Catalyst 5000 RSM
Enterprise/APPN 40	c7200-ajs-mz	Cisco 7200
	rsp-ajsv-mz	Cisco 7505 /7507 /7513 /RSP7000
	c5rsm-ajsv40-mz	Cisco Catalyst 5000 RSM
Enterprise/APPN 40	c7200-ajs40-mz	Cisco 7200
	rsp-ajsv40-mz	Cisco 7505 /7507 /7513 /RSP7000
	c5rsm-ajsv56i-mz	Cisco Catalyst 5000 RSM
Enterprise/APPN IPsec 56	c7200-ajs56i-mz	Cisco 7200
	rsp-ajsv56i-mz	Cisco 7505 /7507 /7513 /RSP7000
	c2500-ajs-l <sup>3</sup>	Cisco 2500
Enterprise/APPN Plus	c2600-ajs-mz	Cisco 2610-2612
	c3620-ajs-mz	Cisco 3620
	c3640-ajs-mz	Cisco 3640 and Cisco 3640A
	c4000-ajs-mz	Cisco 4000-M
	c4500-ajs-mz	Cisco 4500 /4700 /4500-M
	c2600-ajs40-mz <sup>2</sup>	Cisco 2610-2612
Enterprise/APPN Plus 40	c3620-ajs40-mz	Cisco 3620
	c3640-ajs40-mz	Cisco 3640 and Cisco 3640A
	c4000-ajs40-mz	Cisco 4000-M
	c4500-ajs40-mz	Cisco 4500 /4700 /4500-M /4700-M
	c2600-ajs56-mz <sup>2</sup>	Cisco 2610-2612
Enterprise/APPN Plus IPsec 56	c2500-ajs56i-l	Cisco 2501-2525 /2501CF-2502CF/ 2520CF-2523CF /2520LF-2523LF
	c2600-ajs56i-mz <sup>2</sup>	Cisco 2610-2612
	c3620-ajs56i-mz	Cisco 3620
	c3640-ajs56i-mz	Cisco 3640 and Cisco 3640A
	c4000-ajs56i-mz	Cisco 4000-M
	c4500-ajs56i-mz	Cisco 4500 /4700 /4500-M
Enterprise/APPN/DBCONN	c7200-aejs-mz	Cisco 7200
	rsp-aejsv-mz	Cisco 7505 /7507 /7513
Enterprise/APPN/DBCONN 40	c7200-aejs40-mz	Cisco 7200
	rsp-aejsv40-mz	Cisco 7505 /7507 /7513 /RSP7000
Enterprise/APPN/DBCONN IPsec 56	c7200-aejs56i-mz	Cisco 7200
	rsp-aejsv56i-mz	Cisco 7505 /7507 /7513

**Table 4 Cisco IOS Release 12.0 Supported Feature Sets (continued)**

Feature Set	Software Image	Platform/Model
Enterprise/FW Plus IPSec 56	c2500-jos56i-l	Cisco 2501-2525 /2501CF-2502CF /2520CF-2523CF /2520LF-2523LF
Enterprise/VIP	c5rsm-jsv-mz	Cisco Catalyst 5000 RSM
Enterprise/VIP 40	c5rsm-jsv40-mz	Cisco Catalyst 5000 RSM
Enterprise/VIP IPSec 56	c5rsm-jsv56i-mz	Cisco Catalyst 5000 RSM
FRAD	c2500-f-l	Cisco 2501-2502 /2520-2523
IP	c1000-y-mz	Cisco 1003-1004
	c1005-y-mz	Cisco 1005
	c1600-y-l <sup>4</sup>	Cisco 1600
	c1600-y-mz <sup>4</sup>	Cisco 1600
	c2500-i-l	Cisco 2501-2525 /3011 /AS5100
	c2600-i-mz	Cisco 2610-2612
	c3620-i-mz	Cisco 3620
	c3640-i-mz	Cisco 3640 and Cisco 3640A
	c4000-i-mz	Cisco 4000 /4000-M
	c4500-i-mz	Cisco 4500 /4700 /4500-M
	c5200-i-l	Cisco AS5200
	c5300-i-mz	Cisco AS5300
	c7200-is-mz	Cisco 7200
	rsp-isv-mz	Cisco 7505 /7507 /7513 /RSP7000
IP 40	c7200-is40-mz	Cisco 7200
	rsp-isv40-mz	Cisco 7505 /7507 /7513 /RSP7000
IP IPSec 56	c7200-is56i-mz	Cisco 7200
	rsp-isv56i-mz	Cisco 7505 /7507 /7513 /RSP7000
IP Plus	c1000-bnsy-mz	Cisco 1003-1004
	c1005-bnsy-mz	Cisco 1005
	c1600-sy-l <sup>4</sup>	Cisco 1600
	c1600-sy-mz <sup>4</sup>	Cisco 1600
	c2500-is-l	Cisco 2501-2525 /3011
	c2600-is-mz	Cisco 2610-2612
	c3620-is-mz	Cisco 3620
	c3640-is-mz	Cisco 3640 and Cisco 3640A
	c4000-is-mz	Cisco 4000 /4000-M
	c4500-is-mz	Cisco 4500 /4700 /4500-M
	c5200-is-l	Cisco AS5200
c5300-is-mz	Cisco AS5300	

**Table 4 Cisco IOS Release 12.0 Supported Feature Sets (continued)**

<b>Feature Set</b>	<b>Software Image</b>	<b>Platform/Model</b>
IP Plus 40	c1000-bnsy40-mz	Cisco 1003-1004
	c1005-bnsy40-mz	Cisco 1005
	c1600-sy40-l <sup>4</sup>	Cisco 1600
	c1600-sy40-mz <sup>4</sup>	Cisco 1600
	c2500-is40-l <sup>5</sup>	Cisco 2500
	c2600-is40-mz	Cisco 2610-2612
	c3620-is40-mz	Cisco 3620
	c3640-is40-mz	Cisco 3640 and Cisco 3640A
	c4000-is40-mz	Cisco 4000 /4000-M
	c4500-is40-mz	Cisco 4500 /4700 /4500-M /4700-M
	c5300-is40-mz	Cisco AS5300
IP Plus 56	c1000-bnsy56-mz	Cisco 1003-1004
	c1005-bnsy56-mz	Cisco 1005
	c1600-sy56-l <sup>4</sup>	Cisco 1600
	c1600-sy56-mz <sup>4</sup>	Cisco 1600
	c2500-is56-l	Cisco 2501-2525
	c2600-is56-mz	Cisco 2610-2612
IP Plus IPsec 56	c1600-sy56i-l <sup>4</sup>	Cisco 1600
	c1600-sy56i-mz <sup>4</sup>	Cisco 1600
	c2500-is56i-l	Cisco 2501-2525 /2501CF-2502CF/ 2520CF-2523CF /2520LF-2523LF
	c2600-is56i-mz	Cisco 2610-2612
	c3620-is56i-mz	Cisco 3620
	c3640-is56i-mz	Cisco 3640 and Cisco 3640A
	c4000-is56i-mz	Cisco 4000 /4000-M
	c4500-aejs-mz	Cisco 4000
	c4500-is56i-mz	Cisco 4500 /4700 /4500-M
	c5300-is56i-mz	Cisco AS5300
IP/Async	c1005-qy-mz	Cisco 1005
IP/FW	c1600-oy-l <sup>4</sup>	Cisco 1600
	c1600-oy-mz <sup>4</sup>	Cisco 1600
	c2500-io-l	Cisco 2501-2525
IP/FW Plus IPsec 56	c1600-osy56i-l <sup>4</sup>	Cisco 1600
	c1600-osy56i-mz <sup>4</sup>	Cisco 1600
	c2500-ios56i-l	Cisco 2501-2525 /2501CF-2502CF/ 2520CF-2523CF /2520LF-2523LF
IP/IBM/APPN	c2500-ai3r4-l	Cisco 2501-2525 /3011

**Table 4 Cisco IOS Release 12.0 Supported Feature Sets (continued)**

Feature Set	Software Image	Platform/Model
IP/IPX	c1000-ny-mz	Cisco 1003-1004
	c1005-ny-mz	Cisco 1005
	c1600-ny-l <sup>4</sup>	Cisco 1600
	c1600-ny-mz <sup>4</sup>	Cisco 1600
IP/IPX Plus	c2500-ins-l	Cisco 2501-2525
IP/IPX/Async	c1005-nqy-mz	Cisco 1005
IP/IPX/AT	c1000-bny-mz	Cisco 1003-1004
	c1005-bny-mz	Cisco 1005
IP/IPX/AT Plus	c1000-bnsy-mz	Cisco 1003-1004
	c1005-bnsy-mz	Cisco 1005
IP/IPX/AT Plus 40	c1000-bnsy40-mz	Cisco 1003-1004
	c1005-bnsy40-mz	Cisco 1005
IP/IPX/AT Plus 56	c1000-bnsy56-mz	Cisco 1003-1004
	c1005-bnsy56-mz	Cisco 1005
IP/IPX/AT/DEC	c2500-d-l	Cisco 2501-2525 /3011 /AS5100
	c2600-d-mz	Cisco 2610-2612
	c3620-d-mz	Cisco 3620
	c3640-d-mz	Cisco 3640 and Cisco 3640A
	c4000-d-mz	Cisco 4000 /4000-M
	c4500-d-mz	Cisco 4500 /4700 /4500-M
IP/IPX/AT/DEC Plus	c2500-ds-l	Cisco 2501-2525 /3011
	c2600-ds-mz	Cisco 2610-2612
	c3620-ds-mz	Cisco 3620
	c3640-ds-mz	Cisco 3640 and Cisco 3640A
	c4000-ds-mz	Cisco 4000 /4000-M
	c4500-ds-mz	Cisco 4500 /4700 /4500-M
	c2500-ds-l	Cisco AccessPro
IP/IPX/AT/DEC/FW Plus	c2500-dos-l	Cisco 2501-2525
IP/IPX/AT/DEC/VIP 40	c5rsm-dsv40-mz	Cisco Catalyst 5000 RSM
IP/IPX/AT/IBM	c1600-bnr2y-l <sup>4</sup>	Cisco 1600
	c1600-bnr2y-mz <sup>4</sup>	Cisco 1600
IP/IPX/AT/IBM Plus	c1600-bnr2sy-l <sup>4</sup>	Cisco 1600
	c1600-bnr2sy-mz <sup>4</sup>	Cisco 1600
IP/IPX/AT/IBM/FW Plus IPsec 56	c1600-bnor2sy56i-l <sup>4</sup>	Cisco 1600
	c1600-bnor2sy56i-mz <sup>4</sup>	Cisco 1600
IP/IPX/AT/IBM/ATM/Voice	mc3810-a2binr3v2	Cisco MC3810

**Table 4 Cisco IOS Release 12.0 Supported Feature Sets (continued)**

Feature Set	Software Image	Platform/Model
IP/IPX/AT/IBM/Voice	mc3810-binr3v2-mz	Cisco MC3810
IP/IPX/FW Plus	c1600-nosy-1 <sup>4</sup>	Cisco 1600
	c1600-nosy-mz <sup>4</sup>	Cisco 1600
IP/IPX/IBM/ATM	mc3810-a2inr3-mz	Cisco MC3810
IP/OSPF/PIM	c1005-y2-mz	Cisco 1005
IP/VIP	c5rsm-isv-mz	Cisco Catalyst 5000 RSM
IP/VIP 40	c5rsm-isv40-mz	Cisco Catalyst 5000 RSM
IP/VIP IPsec 56	c5rsm-isv56i-mz	Cisco Catalyst 5000 RSM
ISDN	c2500-g-1	Cisco 2501-2525
LAN FRAD	c2500-fin-1	Cisco 2501-2502 /2520-2523
LAN FRAD/OSPF	c2500-f2in-1	Cisco 2501-2502 /2520-2523
Network Layer 3 Switching	c7200-inu-mz	Cisco 7200
Remote Access Server	c2500-c-1	Cisco 2500
	c2600-c-mz	Cisco 2600
Service Provider	ls1010-wp-mz	Cisco LightStream 1010

1. This image is supported on Cisco IOS Release 12.0(11) and earlier.
2. This image is supported on earlier Cisco IOS Releases or can be supported with an equivalent IPsec 56 image. Contact your Cisco representative for additional information.
3. This image is supported on Cisco IOS Release 12.0(10) and earlier.
4. Cisco 1600 images were first released in Cisco IOS Release 12.0(3).
5. This image is supported on Cisco IOS Release 12.0(10) and earlier.

**Note**

The Cisco 1600 series feature sets were first released in Cisco IOS Release 12.0(3).