

Cisco IOS Upgrade Ordering Instructions

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1. What is an Upgrade?

An upgrade is an order placed for a Cisco IOS[®] feature set that contains more functionality than the one that you are replacing.

It is not an “update.” An update consists of installing a more recent version of the SAME feature set.

Exception: If a feature set has been obsoleted, the next, closest feature set, on a more recent release, will be considered an update.

2. Ordering an Upgrade

Orders can be placed by calling your local Cisco representative at 1-800-553-NETS for assistance, or by ordering online at: http://www.cisco.com/public/Ordering_root.shtml.

Additional information on online ordering is available at: http://www.cisco.com/public/ordering_info.shtml

Use this table to follow the examples outlined below:

Feature License	Description
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FL25-C=	Feature license for ordering the IP set of features on the Cisco 2500 family of routers
FL25-P=	Feature license for ordering the PLUS set of features on the Cisco 2500 family of routers
FL25-C-B=	Feature license for upgrading from the IP feature set to the IP/IPX/AT/DEC feature set in the Cisco 2500 family of routers
S25CP-12.0.1=	Spare product number for ordering the IP PLUS feature set (on Cisco IOS Release 12.0.1) on diskette

Example 1: A Simple Upgrade Order

To order an upgrade, please use the product numbers beginning with “FL”. These product numbers, known as Feature Licenses, enable your order to be processed as an upgrade and not as a more expensive new-system purchase.

Ordering Example

- You are running the IP feature set (S25C-12.0.1) in a Cisco 2500 series router
- You want to upgrade to IP PLUS (S25CP-12.0.1)



Use FL25-P= to order (see the price list for all available product numbers)

Example 2: A Complex Upgrade Order

More than one Feature License may be required in ordering an upgrade.

Ordering Example

- You want to upgrade from the IP feature set (S25C-12.0.1) running in a Cisco 2500
- You want to upgrade to the IP/IPX/AT/DEC PLUS (S25BP-12.0.1) feature set

You must use two Feature Licenses:

- One to upgrade from IP to IP/IPX/AT/DEC (FL25-C-B=)
- One to add the PLUS (FL25-P=)

Note: When upgrading from a non-encryption feature set to a feature set with encryption, please ensure that the FLxx-P= Feature License is included with your upgrade order. (The 'xx' stands for the platform.) All encryption feature sets include the Plus set of features.

Receiving the Software

After ordering the upgrade, customers with active SmartNet support contracts can then proceed to CCO to download the required software. For downloading instructions, please see Downloading Software from CCO, below.

Alternately, a copy of the software, on physical media (diskette, flash card, etc.) can be shipped. Please see Ordering Software on Media section for ordering instructions.

3. Ordering Software on Physical Media

This is the typical way to order upgrades if customer does NOT hold an active SMARTnet support contract. Also, this is the way for SMARTnet contract holders to receive their new software on physical media.

To order Cisco IOS software on physical media identify the desired feature set and order the product which ends with a “=”. The “=” in the product number designates it as a spare. Continuing with the example above, if you order S25BP-12.0.1=, no feature licenses are necessary because, beginning 11/22/2000, the price of the feature license is included in the spare price of the physical media.

Exception 1: International customers ordering software upgrades that include 56-bit, IPsec, or triple DES encryption technology.

When placing orders for software on physical media to be shipped internationally, please use the feature set product number beginning with an 'I' instead of the spare product number (beginning with an 'S' and ending with '='). Please refer to the Cisco price list for all 'I' product numbers. (The 'I' stands for international.) Example of an international product number is: I25CHL-12.0.3T

(Feature Sets containing 40-bit encryption technology are no longer export controlled and can be ordered as any other feature set.)

Ordering Example

- You currently have IP PLUS in a Cisco 2510 on IOS Release 12.0(1) and want to upgrade to IP PLUS IPSEC 3DES.

If you want your upgrade shipped domestically, order: S25CK2-12.0.1= (the spare for the IP PLUS IPSEC 3DES feature set on diskette)

If you want your upgrade shipped internationally, order: I25CK2-12.0.1 (the international product number for the IP PLUS IPSEC 3DES feature set on diskette)



In summary, use the feature licenses to add features to currently installed Cisco IOS software and use the spare product numbers (product number beginning with “S” and ending with “=”) or international product numbers to obtain a copy of the software on physical media.

4. Downloading Software from CCO for SmartNet Customers

At the Cisco Connection Online homepage, <http://www.cisco.com/>

Click on the following links:

Login > Service & Support - Software Center > Cisco IOS Software > Select the appropriate Cisco IOS Release or click on the Upgrade Planner link to see all releases, platforms and feature sets.

Assuming a Cisco IOS release was selected in the last step, above, complete the following steps:

- Click on the Download link for desired software
- From the 3 columns on the following page, select a platform, release, and feature set in any order
- After these 3 selections have been made, a page will appear summarizing your selections, listing the minimum Flash and DRAM requirements and listing any additional notes. Ensure that your selection is correct and that you meet all requirements.
- Click on the "I Read Above Requirements and Agree with Them" button
- Click on the image name to download

Downloading Encryption Software from CCO

Entitlement

Before you can download Cisco IOS images with 56-bit, IPSEC and triple DES encryption technology, you must first go through the entitlement process. This process ensures you are coming from a registered DNS address and not from a restricted country.

Entitlement can be obtained via CCO at:

Login > Service & Support - Software Center > Cisco IOS Software > Select the IOS Release

Click on: “Apply for Cisco IOS Cryptographic Software under export licensing controls,” and follow the instruction.

Once you are Entitled

You will be able to see encryption images in the upgrade planner. Entitlement is obtained once, unless you are coming from a different host.

To download Cisco IOS images with encryption:

Login > Service & Support - Software Center > Cisco IOS Software > Select the IOS Release

Click on: “Download Cisco IOS cryptographic software under export licensing control,” and follow the instructions.

5. Types of Feature Licenses

Two types of Feature Licenses exist: generic and specific.

Generic Feature License

Definition: A generic Feature License adds a new feature to any feature set on a given platform.

Example: FL25-L= This is the Feature License for IPSEC 56 on the 2500 family of routers. Therefore, by using FL25-L=, IPSEC 56 is added to any Cisco 2500 IOS feature set.

Application: Regardless of the specific features set that you are currently running, such a feature license enables you to add the new functionality.

Format:

- The 'FL' denotes a Feature License
- The '25' denotes the 2500 platform
- This first part is terminated by a hyphen
- The second part, the feature set designator, consists of alphanumeric codes defining the desired feature and is terminated by a '='.

Specific Feature License

Definition: Adds a new feature to a specific feature set on a given platform.

Example: FL25-C-BS= This feature license adds IP/IPX/AT/DEC Plus functionality to a network currently running IP only. \ 'C' is the alpha code for the IP feature set and 'BS' is the alpha code for the Desktop/IBM feature set.

Application: You are currently running a specific feature set and this feature license enables you to add the new functionality. This is done for several reasons: (i) the additional functionality only works with a limited number of feature sets; (ii) special pricing offer

Format: In this case, the format of the Feature License shows the currently installed feature set and the desired feature set, as follows:

- The 'FL' denotes a Feature License
- The '25' denotes the 2500 platform
- This first part is terminated by a hyphen
- The second part, current feature set designator, consists of alphanumeric codes defining the specific feature set that customer is currently running in the network and is terminated by another hyphen
- The third part, the desired feature designator, consists of alphanumeric codes defining the specific feature that customer wants to add and is terminated by a '='



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 Europe
11, Rue Camille Desmoulins
92782 Issy Les Moulineaux
Cedex 9
France
www.cisco.com
Tel: 33 1 58 04 60 00
Fax: 33 1 58 04 61 00

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 Australia, Pty., Ltd
Level 17, 99 Walker Street
North Sydney
NSW 2059 Australia
www.cisco.com
Tel: +61 2 8448 7100
Fax: +61 2 9957 4350

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