

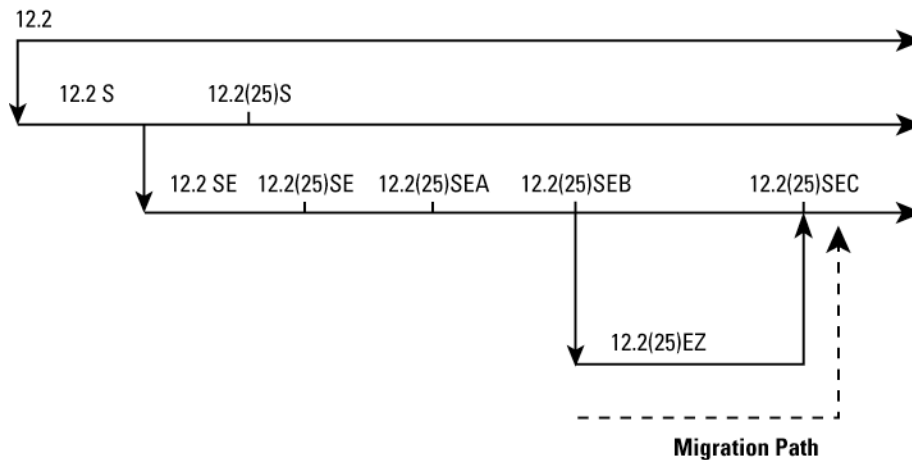
CISCO IOS SOFTWARE RELEASE 12.2(25)EZ

INTRODUCTION

This product bulletin describes the content and delivery information concerning Cisco IOS® Software Release 12.2(25)EZ. Cisco IOS Software Release 12.2(25)EZ is a short-lived early-deployment release parented to Release 12.2(25)SEB and supporting the Cisco® 16-, 23-, 24-, and 48-Port 10/100 EtherSwitch service modules (part numbers NME-16ES-1G-P, NME-X-23ES-1G-P, NME-XD-24ES-1S-P, and NME-XD-48ES-2S-P, respectively). These modules are used with the Cisco 2691, 2800, 3700, and 3800 series routers. This release contains all the new features delivered in Cisco IOS Software Release 12.2(25)SEB.

The network module support delivered with this early-deployment release will be incorporated into Cisco IOS Software Release 12.2(25)SEC and subsequent Cisco IOS Software releases. *It is important to note that no maintenance releases are planned for this early-deployment release. In addition, note the migration path to the latest SEB release shown in Figure 1. Customers should prepare to upgrade using this migration path.*

Figure 1. Cisco IOS Software Release 12.2(25)EZ Release Train and Migration Guide



NEW FEATURES IN CISCO IOS SOFTWARE RELEASE 12.2(25)EZ

Cisco IOS Software Release 12.2(25)EZ delivers support for the new Cisco EtherSwitch® service modules. Cisco EtherSwitch service modules are enhanced network modules that can be inserted into the Cisco 2691, 2800, 3700, or 3800 series routers (refer to Table 1).

Table 1. New Cisco EtherSwitch Service Module Supported in Cisco IOS Software Release 12.2(25)EZ*

Cisco EtherSwitch Service Modules
NME-16ES-1G-P
NME-X-23ES-1G-P

Cisco EtherSwitch Service Modules

NME-XD-24ES-1S-P

NME-XD-48ES-2S-P

* Each Cisco EtherSwitch service module runs a version of the Cisco Catalyst® 3750 with Cisco IOS Software separate from the host router Cisco IOS Software image. It should be noted that Cisco IOS Software Release 12.2(25)EZ will not run on the router itself but only on the Cisco EtherSwitch service module. The minimum Cisco IOS Software image for the host Cisco 2600, 2800, 3700, or 3800 is Cisco IOS Software Release 12.3(14)T.

The next section lists documents that address details about these new features. Any early-deployment release of software should be used first in a test network before being deployed in a production network.

DETAILED INFORMATION

Cisco EtherSwitch Service Modules

The new Cisco EtherSwitch service modules, greatly expand the capabilities of integrated switching within Cisco routers by providing support for new features such as IEEE 802.3af Power over Ethernet (PoE), local Layer 3 switching, Cisco Network Administrator and Cisco Emergency Responder, and Cisco StackWise interfaces (available on NME-XD-24ES-1S-P only), as well as software feature parity with Cisco Catalyst 3750 Series switches. Additionally, the new Cisco EtherSwitch service modules are the first modules that can take full advantage of the increased performance capabilities and new form factors of the enhanced network module slot on Cisco integrated services routers. Four new Cisco EtherSwitch service modules are being released in conjunction with Cisco IOS Software Release 12.2(25)EZ; these new modules are described in Table 2.

Table 2. Part Numbers and Descriptions of New Cisco EtherSwitch Service Modules

Part Number	Product Name and Description
NME-16ES-1G-P	One 16-port 10/100 Cisco EtherSwitch Service Module with 802.3af, 1 10/100/1000 port, and IP Base
NME-X-23ES-1G-P	One 23-port 10/100 Cisco EtherSwitch Service Module with 802.3af, 1 10/100/1000 port with 802.3af, and IP Base
NME-XD-24ES-1S-P	One 24-port 10/100 Cisco EtherSwitch Service Module with 802.3af, 1 Small Form-Factor Pluggable (SFP) interface, Cisco StackWise connectors, and IP Base
NME-XD-48ES-2S-P	One 48-port 10/100 Cisco EtherSwitch Service Module with 802.3af, 2 SFPs, and IP Base

These new modules can be loaded with Cisco IOS Software Release 12.2(25)EZ and used within a host router that is loaded with a minimum of Release 12.3(14)T. Table 3 describes the platforms that these new Cisco EtherSwitch service modules can be used with. Because the Cisco EtherSwitch Service Module operates independently of the host router, new versions of the Cisco Catalyst 3750 with Cisco IOS Software can be loaded on the Cisco EtherSwitch Service Module independent of the host router Cisco IOS Software. This high degree of modularity of software code helps enable the Cisco EtherSwitch Service Module to maintain feature parity with other Cisco Catalyst 3750 switches without impacting the host router IOS code.

Table 3. Platforms Supporting New Cisco EtherSwitch Service Modules*

Cisco EtherSwitch Service Module Part Number	Cisco 2600 Series	Cisco 2800 Series	Cisco 3700 Series	Cisco 3800 Series
NME-16ES-1G-P	Cisco 2691 only	Cisco 2811, 2821, and 2851 only	Yes	Yes
NME-X-23ES-1G-P	No	Cisco 2821 and 2851 only	No	Yes
NME-XD-24ES-1S-P	No	Cisco 2851 only	No	Yes
NME-XD-48ES-2S-P	No	Cisco 2851 only	No	Yes

* A minimum of Cisco IOS Software Release 12.3(14)T must be used with the router to support the new Cisco EtherSwitch service modules. The Cisco EtherSwitch Service Module that operates independently of the host router must be loaded with a minimum of Release 12.2(25)EZ.

For more detailed information about the platforms and features being delivered in Cisco IOS Software Release 12.2(25)EZ, reference the following documents: <http://www.cisco.com/univercd/cc/td/doc/product/lan/cat3750/12225seb/index.htm>

Support

Cisco IOS Software Release 12.2(25)EZ follows the standard Cisco Systems® support policy as indicated in the following link:

http://www.cisco.com/en/US/products/products_end-of-life_policy.html

Product Numbers

The Cisco EtherSwitch service modules use the same Cisco IOS Software images as the Cisco Catalyst 3750 Series switches in future Cisco Catalyst 3750 releases with Cisco IOS Software. However, Cisco IOS Software Release 12.2(25)EZ is for use only with the Cisco EtherSwitch service modules. Table 4 describes the images and feature sets available with Release 12.2(25)EZ.

Table 4. Cisco IOS Software Release 12.2(25)EZ Feature Sets, Images, Platform, and Module Support*

Software Feature Set	Image	Cisco Catalyst 3750 Series Support	Cisco EtherSwitch Service Module Support
IP Base	c3750-ipbase-mz	No	Yes
IP Base	c3750-ipbasek9-mz	No	Yes
IP Services	c3750-ipservices-mz	No	Yes
IP Services	c3750-ipservicesk9-mz	No	Yes
Advanced IP Services	c3750-advipservicesk9-mz	No	Yes

* When using the Cisco EtherSwitch Service Module with Cisco StackWise connectors (part number NME-XD-24ES-1S-P), Cisco IOS Software Release 12.2(25)EZ can be used in a stack with other Cisco Catalyst 3750 Series switches that are using Cisco IOS Software Release 12.2(25)SEB.

Download Information

Customers can download Cisco IOS Software Release 12.2(25)EZ from Cisco.com in the Software Image Library.

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