



PRODUCT BULLETIN, NO. 2606

CISCO IOS SOFTWARE RELEASE 12.2(24)SV ON THE CISCO ONS 15500 SERIES

This Product Bulletin outlines the software features supported in Cisco IOS® Software Release 12.2(24)SV on the Cisco® 15500 Series Metro Optical Platforms. Cisco IOS Software Release 12.2(24)SV is an ED Release (XED) that is optimized for the Cisco ONS 15500 Series.

The Cisco ONS 15500 Series includes the Cisco ONS 15530 Multiservice Aggregation Platform, Cisco ONS 15540 ESPx Platform, and the Cisco ONS 15540 ESP Platform. These platforms are highly scalable, dense wave division multiplexing (DWDM), Multiservice Aggregation and Transport platforms. The Cisco ONS 15500 Series aggregates Storage, Data, and Legacy application traffic over an ultra-high, bandwidth intelligent, optical infrastructure. The Cisco ONS 15500 Series provides flexible, scalable, and highly available Optical networking for current and future high-performance, bandwidth-intensive networking applications.

SOFTWARE SUPPORT

Cisco IOS Software Release 12.2(24)SV for both the Cisco ONS 15530 and Cisco ONS 15540 platforms provides the software feature support described in Table 1.

Table 1. Features Supported by Cisco IOS Software Release 12.2(24)SV for the Cisco ONS 15530 and Cisco ONS 15540

Feature	Description
Secure Shell version 1 (SSHv1) Client and Server	SSHv1 for Client and Server is implemented per the standard Cisco function and commands.
Simple Network Management Protocol version 3 (SNMPv3)	SNMPv3 is required for use of SNMP in conjunction with SSH.
Counter preservation on CPU switchover	Prior to release 12.2(24)SV, a CPU switchover caused counters to be reset to zero. All history of the counters would be lost. In release 12.2(24)SV, counters are preserved at the point of the switchover and continue incrementing after switchover is complete. Counter preservation is enabled by an optional command. For a complete list of interfaces and counters supported, access the documentation via the links below.
Troubleshooting enhancements	Specific troubleshooting enhancements requested by various customers have been added to 12.2(24)SV. See the release notes and documentation for more details.

Cisco IOS Software Release 12.2(24)SV for the Cisco ONS 15530 supports the features listed in Table 2 for the Cisco ONS 15530 8-Port Fibre Channel/Gigabit Ethernet aggregation cards.

Table 2. Features Supported by Cisco IOS Software Release 12.2(24)SV for the Cisco ONS 15530

Feature	Description
IBM InterSystem Channel (ISC-3) Peer Mode 1-Gbps support	Support for the IBM ISC-3 link protocol in 1-Gbps “peer mode” on the Cisco ONS 15530 8-port Fibre Channel/Gigabit Ethernet Aggregation Card (part number 15530-FCGE-8P). The card must have Functional Image 2-30 or later.

Cisco IOS Software Release 12.2(24)SV for the Cisco ONS 15540 supports the features described in Table 3 for the Cisco ONS 15540 ESPx and Cisco ONS 15540 ESP.

Table 3. Features Supported by Cisco IOS Software Release 12.2(24)SV for the Cisco ONS 15540 ESPx and Cisco ONS 15540 ESP

Feature	Description
Multitrunk support	Release 12.2(24)SV adds support for multiple DWDM protected trunks on the same Cisco ONS 15540 ESPx network. The implementation requires separate OADM pairs for each protected network. There are no additional commands required to implement the Multitrunk feature.

Release Notes can be found at:

Cisco ONS 15530:

<http://www.cisco.com/univercd/cc/td/doc/product/mels/15530>

Cisco ONS 15540 ESPx:

<http://www.cisco.com/univercd/cc/td/doc/product/mels/15540x>

Cisco ONS 15540 ESP:

<http://www.cisco.com/univercd/cc/td/doc/product/mels/15540>

Documents

For more detailed information about the platforms and features being delivered in Cisco IOS Software Release 12.2(24)SV, please reference the documents at:

<http://www.cisco.com/en/US/products/hw/optical/ps2011>

ORDERING INFORMATION

Cisco IOS Software Release 12.2(24)SV for the Cisco ONS 15530 and Cisco ONS 15540 carries the part numbers listed in Table 4.

Table 4.

Platform	Product Number	Release
Cisco ONS 15530	SO530C-12224SV	12.2(24)SV
Cisco ONS 15540 ESPx	SO15C-12224SV	12.2(24)SV
Cisco ONS 15540 ESP	SO15C-12224SV	12.2(24)SV
Cisco ONS 15530 SSH 3DES	SO530CK91-12224SV	12.2(24)SV
Cisco ONS 15540 ESPx SSH 3DES	SO15CK91-12224SV	12.2(24)SV
Cisco ONS 15540 ESP SSH 3DES	SO15CK91-12224SV	12.2(24)SV

SMARTnet Customers

Update

Customers with SMARTnet[®] service contracts are entitled to a software update, which is described as a new release version of the customer last-purchased feature set. For customers wanting increased functionality, an upgrade to the new feature set will be required.



Upgrade

Cisco helps customers with SMARTnet contracts get upgrades quickly through Cisco.com. If customers are upgrading from one feature set to another, they must place an order for the purchase of the appropriate Technology Use or Feature License(s) before downloading the software.

Non-SMARTnet Customers

Upgrades

Customers who wish to increase the level of functionality beyond their current feature set must order a software product code along with any appropriate feature licenses.

Downloading Cisco IOS Software Release 12.2(24)SV from Cisco.com

Registered Cisco.com users may download the Cisco IOS Software Release 12.2(24)SV for the Cisco ONS 15530 and Cisco ONS 15540 at <http://cco.cisco.com/> when available. This release is scheduled for October 2004.

Those customers eligible for software upgrades under warranty that do not have service contracts will need to contact the Cisco Technical Assistance Center (TAC) at toll-free 800 553-2447 or by e-mail at: tac-dispatch@cisco.com

**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 © 2004 Cisco Systems, Inc. All rights reserved. Cisco, Cisco IOS, Cisco Systems, the Cisco Systems logo, and SMARTnet are registered trademarks or 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. (0406R) Pa/LW7093 10/04