

Cisco Transport Manager

Release 2.2.1



Introduction

Operators of optical transport networks are increasingly focused on time to revenue, service velocity, flexible service-level agreements (SLAs), preemptive service assurance, and continuous reduction in operations cost. Recognizing these objectives, Cisco offers Cisco Transport Manager, the industry's most advanced optical transport domain manager. Cisco Transport Manager provides advanced network management capabilities to take advantage of the full power of the Cisco ONS 15000 Series Optical Networking System products. Cisco Transport Manager resides within the element management and network management layers (EML and NML) of the Telecommunications Management Network (TMN) model. Cisco Transport Manager provides industry-standard interfaces to integrate into an overall network management solution working with other Operations Support Systems (OSSs) developed by Cisco, Cisco partners, third parties, and customers.

Cisco Transport Manager Release 2.2 Features

Given the increasing importance of network management in achieving efficiencies, cost reduction, and improved service offerings, Cisco is committed to continuously improving and enhancing Cisco Transport Manager. The new features available in Cisco Transport Manager Release 2.2 are evidence of this commitment. The following is a list of the major new features that have been implemented in Cisco Transport Manager Release 2.2:

- Full management support for the latest releases of Cisco Optical Networking Systems—Cisco ONS 15800 Releases 1.5 and 1.6; Cisco ONS 15801 Releases 1.3 and 1.4; Cisco ONS 15454 Release 3.0; Cisco ONS 15327 Release 1.0.1; and Cisco ONS 15200 Release 1.0.
- Native Cisco Transport Manager graphical user interface (GUI) for fault, configuration, performance, and security management of the Cisco ONS 15801
 - View operational values of all analog and digital parameters; view and change alarm thresholds and severities for all analog and digital parameters
 - Restart lasers after automatic shutdown; change laser power class
- Enhancements to NE Explorer to accommodate the Cisco ONS 15801
 - Launch multiple NE Explorer windows; support for multi-rack, multi-subrack network elements; graphical network element, rack, subrack, and module views; ordered display of rack, subrack, and slot/module objects in tree view navigator
 - Alarm and operational state indication and propagation
- Native Cisco Transport Manager GUI for fault and inventory management of the Cisco ONS 15200

- Enhancements to provide read-only access to the network-element explorer for the Cisco ONS 15200; support is limited to node/subrack views and alarm status
- GateWay/Transaction Language One (TL1) enhancements
 - GateWay/TL1 functionality extended to Cisco ONS 15800 Release 1.5
 - GateWay/TL1 functionality extended to Cisco ONS 15801 Release 1.3
 - GateWay/TL1 functionality extended to Cisco ONS 15454 Releases 2.2.2 and 3.0
 - GateWay/TL1 functionality extended to Cisco ONS 15327 Release 1.0.1
- GateWay/Simple Network Management Protocol (SNMP) enhancements
 - GateWay/SNMP functionality extended to Cisco ONS 15454 Releases 2.2.2 and 3.0
 - GateWay/SNMP functionality extended to Cisco ONS 15327 Release 1.0.1
 - GateWay/SNMP functionality extended to Cisco ONS 15200 Release 1.0
- GateWay/Common Object Request Broker Architecture (CORBA) functionality
 - Fully compliant with TMF standards
 - Support for up to four simultaneous GateWay/CORBA sessions with higher-layer OSSs
 - GateWay/CORBA functionality added for Cisco ONS 15801 Release 1.5
 - GateWay/CORBA functionality added for Cisco ONS 15801 Releases 1.4 and 1.5
 - GateWay/CORBA functionality added for Cisco ONS 15454 Releases 2.1.3, 2.2, 2.2.1, 2.2.2, and 3.0
 - GateWay/CORBA functionality added for Cisco ONS 15327 Releases 1.0 and 1.0.1
- Platform enhancements
 - Client support for Microsoft Windows 2000
 - Miscellaneous GUI enhancements
 - Miscellaneous usability enhancements

Cisco Transport Manager Release 2.2.1 Maintenance Issue Resolutions

Cisco Transport Manager has been evaluated and deployed in a large number of customer environments. Customer feedback and Cisco's testing group help identify areas of improvement, ultimately driving product quality and enhanced functionality. Cisco Transport Manager Release 2.2.1 is a maintenance release designed to further strengthen the overall quality of Cisco Transport Manager software and track with recently released network-element maintenance releases. The following highlighted issues and improvements have been made in Cisco Transport Manager Release 2.2.1 (refer to the Cisco Transport Manager Release 2.2.1 Release Notes for a complete listing of caveats resolved in Release 2.2.1).

- Added support for the Cisco ONS 15454 Release 3.0.2
- Added support for the Cisco ONS 15454 Release 3.0.3
- Added Pentium 4 support for Windows-based Cisco Transport Manager clients
- Improved robustness and reliability of Cisco ONS 15454 memory backup (DDTS numbers: CSCdu62259, CSCdv34829)
- Correct Cisco ONS 15454 performance-monitoring data-collection issues (DDTS number: CSCdv32784)
- Minor GateWay/TL1 corrections impacting the domain manager mode of operation (DDTS numbers: CSCdv61280, CSCdv61301)
- Correction of Cisco ONS 15200 alarm-handling issues (DDTS numbers: CSCdv66256, CSCdv66257)

Upgrade Paths

Customers using Cisco Transport Manager Release 2.1, 2.1.1, or 2.2 with a valid permanent license can upgrade to Cisco Transport Manager Release 2.2.1 under the provisions of the warranty at no additional cost. The software is available at <http://www.cisco.com/public/sw-center/optical/ctm.shtml>.

Availability

Cisco Transport Manager Release 2.2.1 will be available for download beginning on December 4, 2001.

Ordering Information

Because Cisco Transport Manager Release 2.2.1 is a maintenance release, there are no new product codes specifically for Cisco Transport Manager Release 2.2.1. Instead use the existing Cisco Transport Manager Release 2.2 product and part numbers provided in Table 1. The licenses included in the product and part numbers listed in the table are also valid for Cisco Transport Manager Release 2.2.1. Cisco Transport Manager Release 2.2.1 software is available via software download from: <http://www.cisco.com/public/sw-center/optical/ctm.shtml>.

Table 1 Product and Part Numbers

Product Code	Product Description
CTM-2.2-BLS	Cisco Transport Manager Release 2.2 Baseline System Package <i>Includes 10 Cisco Transport Manager client licenses, 5 Cisco ONS 1580X RTU licenses, 25 Cisco ONS 15454/15200 RTU licenses, and 25 Cisco ONS 15327/1530x RTU licenses.</i>
CTM-2.2-UPG	Cisco Transport Manager Release 2.1 Upgrade CD for Releases 2.1.x to 2.2 <i>Includes software CD-ROM, Release Notes, Installation Guide, and Operations Guide.</i>
CTM-2.2-010	Additional Cisco Transport Manager 2.2 client licenses—10 block
CTM-2.2-025	Additional Cisco Transport Manager 2.2 client licenses—25 block
CTM-2.2-050	Additional Cisco Transport Manager 2.2 client licenses—50 block
CTM-15304-025	Additional Cisco ONS 15304 right-to-use licenses—25 block
CTM-15304-050	Additional Cisco ONS 15304 right-to-use licenses—50 block
CTM-15304-100	Additional Cisco ONS 15304 right-to-use licenses—100 block
CTM-15327-025	Additional Cisco ONS 15327 right-to-use licenses—25 block
CTM-15327-050	Additional Cisco ONS 15327 right-to-use licenses—50 block
CTM-15327-100	Additional Cisco ONS 15327 right-to-use licenses—100 block
CTM-15200-025	Additional Cisco ONS 15200 right-to-use licenses—25 block
CTM-15200-050	Additional Cisco ONS 15200 right-to-use licenses—50 block
CTM-15200-100	Additional Cisco ONS 15200 right-to-use licenses—100 block
CTM-15454-025	Additional Cisco ONS 15454 right-to-use licenses—25 block
CTM-15454-050	Additional Cisco ONS 15454 right-to-use licenses—50 block

Product Code	Product Description
CTM-15454-100	Additional Cisco ONS 15454 right-to-use licenses—100 block
CTM-15454-500	Additional Cisco ONS 15454 right-to-use licenses—500 block
CTM-1580X-005	Additional Cisco ONS 1580X right-to-use licenses—5 block
CTM-1580X-010	Additional Cisco ONS 1580X right-to-use licenses—10 block
CTM-1580X-025	Additional Cisco ONS 1580X right-to-use licenses—25 block
CTM-1580X-050	Additional Cisco ONS 1580X right-to-use licenses—50 block
CTM-1580X-100	Additional Cisco ONS 1580X right-to-use licenses—100 block

More Information

For more information on Cisco Transport Manager Release 2.2, go to http://www.cisco.com/warp/public/cc/pd/nemnsw/ctm/prodlit/ctmd_ds.htm



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