



CISCO TRANSPORT MANAGER 4.7

PRODUCT OVERVIEW

Cisco® Systems announces the Cisco Transport Manager Release 4.7 providing new features and support for the latest versions of the Cisco ONS family of network elements.

Cisco Transport Manager is an intelligent element management system (EMS) for the Cisco ONS Family of products. It supports configuration, fault, performance, and security management. Cisco Transport Manager also serves as a foundation for integration into a larger, overall operations support system (OSS) environment.

Cisco has improved the operational efficiencies of managing a Cisco optical transport network. The new features available in the Cisco Transport Manager Release 4.7 include:

Table 1. New Features of the Cisco Transport Manager Release 4.7

Feature	Description
Support for ONS 15600 SDH	Adds support for ONS 15600 SDH Release 1.4, which is the first SDH version of the ONS 15600 product family. Management features for ONS 15600 SONET, are now available for ONS 15600 SDH.
Support for ONS 15216 EDFA3	Expands support of Cisco ONS 15000 series products to include Fault and Inventory Management, Topology/Link management, Software Download, Memory Restore and Backup of the Cisco ONS 15216 EDFA3.
CTC User Profiles	Users may now pre-define Cisco Transport Controller (CTC) usernames, passwords and CTC user privileges in the CTM database for NE Access Management.
Configurable NE Assignment Property for customized CTM User Profiles	With the NE Assignment Property now configurable, customized user profiles can be given the privilege to add or delete NEs or groups.
Date, Location, and Time Attributes for ONS 15216 EDFA2 and EDFA3	Users may set the Date, Location, and Time via the NE explorer of the ONS 15216 EDFA2 or EDFA3 NEs. In addition, users may set the time zone via the ONS 15216 EDFA2 NE Explorer.
NE Explorer Enhancements for ONS 15216 EDFA2 R2.4	The EDFA2 NE Explorer now provides five new tabs in addition to the existing Identification, and Address tabs. The new tabs are Config/Status, Diagnostics, Thresholds, Alarm Behavior, and SNMP.
Auto-provisioning SNMP Trap Destination for ONS 15216 EDFA2 and EDFA3	The Cisco Transport Manager server automatically configures itself as a trap destination in the ONS 15216 EDFA2 and EDFA3 NEs, and ensures that the traps are enabled. Fault Management using Cisco Transport Manager for these NEs is therefore enabled automatically.
Configurable SNMP Community String for ONS 15302 and ONS 15305	For the purpose of ensuring network security, the SNMP Community String can now be modified in the Address Tab of the NE Explorer for the ONS 15302, or the ONS 15305 NEs.
Topology/Link Management for the ONS 15302, and ONS 15305 NEs	Expands the Topology/Link Management function to the ONS 15302, ONS 15305, and ONS 15216 NEs. Links can be created or deleted between two NEs of the same type.

UPGRADE PATHS

The upgrade package for Cisco Transport Manager from Release 3.2(.x) to Release 4.7 is available for any customer currently using Cisco Transport Manager Release 3.2(.x), or earlier. The upgrade package for Cisco Transport Manager from Release 4.0 to Release 4.7 is available

for any customer currently using Cisco Transport Manager 4.0. The upgrade package for Cisco Transport Manager from Release 4.1 or later is available for any customer currently using CTM 4.1(.x) or CTM R4.6.

Database migration is supported from Cisco Transport Manager Release 4.1(.x¹) to Release 4.7 and from Cisco Transport Manager Release 4.6 to Release 4.7. All existing right-to-use (RTU) licenses remain valid for Cisco Transport Manager Release 4.7.

Customers with an older, standalone version of Cisco Transport Manager can follow the migration steps to upgrade their software to Cisco Transport Manager Release 4.7 in a standalone configuration. Customers can then back up and import data to their new high-availability installations.

The Cisco Transport Manager Large Enterprise (LE) to Small Service-provider (SS) system bundle upgrade package is available for any customer currently using the Cisco Transport Manager LE system bundle. The Cisco Transport Manager SS to SMK system bundle upgrade package is available for any customer currently using the Cisco Transport Manager SS system bundle that wishes to upgrade to the Cisco Transport Manager Software Media Kit.

These system bundle upgrade packages are not used to change a customer's version of Cisco Transport Manager.

Cisco Transport Manager Release 4.7 Supported Network Elements

Following is a list of network elements and software versions supported by Cisco Transport Manager Release 4.7.

- Cisco ONS 15200 Releases 1.1(2), 1.1(3)
- Cisco ONS 15216 100-GHz optical add/drop multiplexer (OADM) Release 2.2.2
- Cisco ONS 15216 erbium-doped fiber amplifier 2 (EDFA2) Releases 2.2.1, 2.3, 2.4
- Cisco ONS 15216 erbium-doped fiber amplifier 3 (EDFA3) Releases 1.1
- Cisco ONS 15216 200-GHz OADM, EDFA1, DWDM Filters, optical supervisory channel (OSC), and dispersion compensation unit (DCU)
- Cisco ONS 15302 Releases 1.0, 1.0.1
- Cisco ONS 15305 Release 1.1.1
- Cisco ONS 15327 Releases 3.4.1, 4.1.3, 4.1.4, 4.6.1, 4.6.2
- Cisco ONS 15454 SONET Releases 3.2.1, 3.3, 3.4.1, 4.0, 4.0.1, 4.0.2, 4.1.1, 4.1.3, 4.1.4, 4.6.1, 4.6.2
- Cisco ONS 15454 SDH Releases 4.0, 4.0.1, 4.1, 4.1.3, 4.1.4, 4.6.1, 4.6.2
- Cisco ONS 15501 DC Releases 3.0, 4.0, 4.1
- Cisco ONS 15501 AC Release 4.1
- Cisco IOS® Software releases 12.1(12c)EV3 and 12.2(22)S1 for the Cisco ONS 15530
- Cisco IOS® Software releases 12.1(12c)EV3 and 12.2(22)S1 for the Cisco ONS 15540 ESP
- Cisco IOS® Software releases 12.1(12c)EV3 and 12.2(22)S1 for the Cisco ONS 15540 ESPx
- Cisco ONS 15600 SONET Releases 1.1.1, 1.3.1
- ONS 15600 SDH Release 1.4
- Cisco ONS 15800 Releases 2.0, 2.1
- Cisco ONS 15801 Releases 2.0, 2.1
- Cisco ONS 15808 Releases 2.0, 2.1, 2.2

¹ 4.1(.x) includes 4.1, 4.1.1, 4.1.2, 4.1.3, 4.1.4, and 4.1.5.

AVAILABILITY

Cisco Transport Manager Release 4.7 will begin shipping July 8, 2004. Customers who want to purchase these products can place orders through their normal sales channels beginning July 2, 2004. Existing Cisco Transport Manager customers, with current Cisco Software Application Support plus Upgrades (SASU) contracts, can request updates using their service contract number beginning July 23, 2004 via the Cisco Product Upgrade Tool at www.cisco.com/upgrade.

ORDERING INFORMATION

Cisco Transport Manager is made up of the base media kit, additional optional functional components (GateWay/CORBA and high-availability), and Client and NE RTU licenses. Table 2 lists the part numbers and descriptions associated with Cisco Transport Manager Release 4.7.

Table 2. Part Numbers and Descriptions

Part Number	Description
Cisco Transport Manager Release 4.7 Software Product Kits	
CTM-4.7-SMK	Cisco Transport Manager Release 4.7 Software Media Kit
CTM-SE-BDL	Cisco Transport Manager SE System Bundle
CTM-LE-BDL	Cisco Transport Manager LE System Bundle
CTM-SS-BDL	Cisco Transport SS System Bundle
CTM-3.2-4.7-UPG	Cisco Transport Manager Release 4.7 Upgrade Kit for 3.2(x) or earlier to 4.7
CTM-4.0-4.7-UPG	Cisco Transport Manager Release 4.7 Upgrade Kit for 4.0, 4.0.1, or 4.0.2 to 4.7.
CTM-4.X-4.7-UPG	Cisco Transport Manager Release 4.7 Upgrade Kit for 4.1, 4.1.1, 4.1.2, 4.1.3, 4.1.4, 4.1.5, or 4.6 to 4.7
CTM-4.7-CORBA	Cisco Transport Manager Release 4.7 GateWay/CORBA Northbound Interface
CTM-4.7-CORBA-UPG	Cisco Transport Manager Release 4.7 GateWay/CORBA Northbound Interface Upgrade Kit
CTM-4.7-HA	Cisco Transport Manager Release 4.7 High-Availability Agent 2.1
CTM-4.7-HA-UPG	Cisco Transport Manager Release 4.7 High-Availability Agent 2.1 Upgrade Kit
Cisco Transport Manager System bundle Upgrades	
CTM-LE-SS-UPG	Cisco Transport Manager LE to SS System Bundle License Upgrade
CTM-SS-SMK-UPG	Cisco Transport Manager SS System Bundle to Software Media Kit License Upgrade
Cisco Transport Manager Network Element RTU Licenses	
CTML-15200-001	Cisco Transport Manager RTU License for Cisco ONS 15200—1 RTU
CTML-15200-010, -025, -050	Cisco Transport Manager RTU License for Cisco ONS 15200 (10 block, 25 block, 50 block)
CTML-15216-001	Cisco Transport Manager RTU License for Cisco ONS 15216—1 RTU
CTML-15216-010, -025, 050	Cisco Transport Manager RTU License for Cisco ONS 15216 (10 block, 25 block, 50 block)
CTML-15302-001	Cisco Transport Manager RTU License for Cisco ONS 15302—1 RTU
CTML-15302-025, -050, -100	Cisco Transport Manager RTU License for Cisco ONS 15302 (25 block, 50 block, 100 block)
CTML-15305-001	Cisco Transport Manager RTU License for Cisco ONS 15305—1 RTU
CTML-15305-025, -050, -100	Cisco Transport Manager RTU License for Cisco ONS 15305 (25 block, 50 block, 100 block)
CTML-15530-001	Cisco Transport Manager RTU License for Cisco ONS 15530—1 RTU

Part Number	Description
CTML-15530-005, -010	Cisco Transport Manager RTU License for Cisco ONS 15530 (5 block, 10 block)
CTML-15540-001	Cisco Transport Manager RTU License for Cisco ONS 15540—1 RTU
CTML-15540-005, -010	Cisco Transport Manager RTU License for Cisco ONS 15540 (5 block, 10 block)
CTML-15327-001	Cisco Transport Manager RTU License for Cisco ONS 15327—1 RTU
CTML-15327-025, -050, -100	Cisco Transport Manager RTU License for Cisco ONS 15327 (25 block, 50 block, 100 block)
CTML-15454-001	Cisco Transport Manager RTU License for Cisco ONS 15454—1 RTU
CTML-15454-025, -050, -100, -500	Cisco Transport Manager RTU License for Cisco ONS 15454 (25 block, 50 block, 100 block, 500 block)
CTML-15600-001	Cisco Transport Manager RTU License for Cisco ONS 15600—1 RTU
CTML-15600-025	Cisco Transport Manager RTU License for Cisco ONS 1580X—5-block
CTML-1580X-001	Cisco Transport Manager RTU License for Cisco ONS 1580X—1 RTU
CTML-1580X-005, -010, -025	Cisco Transport Manager RTU License for Cisco ONS 1580X (5 block, 10 block, 25 block)
Note: Passive Cisco ONS 15216 network elements that are not actively managed by Cisco Transport Manager, namely the Cisco ONS 15216 200-GHz Filter, ONS 15216 200-GHz OADM, ONS 15216 EDFA1, ONS 15216 OSC, ONS 15216 DCU, and the ONS 15216 Unidirectional Filter do not require a Cisco Transport Manager RTU. The active Cisco ONS 15216 network elements, namely the Cisco ONS 15216 100-GHz OADM and ONS 15216 EDFA2, do require a Cisco Transport Manager RTU.	
Cisco Transport Manager Client RTU Licenses	
CTM-CLIENT-001, -010, -050	Cisco Transport Manager Client RTU License (1 RTU, 10 RTU block, 50 RTU block)
Cisco Transport Manager Annual Maintenance Contracts	
A Cisco Software Application Support plus Upgrades (SASU) contract must be purchased to receive access to technical support through the Cisco Technical Assistance Center (TAC) or Cisco.com (Table 6). Cisco SASU also provides Cisco Transport Manager software upgrades as they are made available, for the duration of the customer's contract. Cisco SASU does not cover third-party products.	
SP-SAU-CTM-40	Cisco SASU maintenance contract associated with CTM-4.7-SMK, CTM-SE-BDL, CTM-3.2-4.7-UPG, CTM-4.0-4.7-UPG, and CTM-4.X-4.7-UPG for service provider customers
CON-SAU-CTM-40	Cisco SASU maintenance contract associated with CTM-4.7-SMK, CTM-SE-BDL, CTM-3.2-4.7-UPG, CTM-4.0-4.7-UPG, and CTM-4.X-4.7-UPG for enterprise customers
SP-SAU-CTMSE-40	Cisco SASU maintenance contract associated with CTM-4.7-SE-BDL or CTM-3.2-4.7-UPG, CTM-4.0-4.7-UPG, and CTM-4.X-4.7-UPG for service provider customers with a SE system bundle
CON-SAU-CTMSE-40	Cisco SASU maintenance contract associated with CTM-4.7-SE-BDL or CTM-3.2-4.7-UPG, CTM-4.0-4.7-UPG, and CTM-4.X-4.7-UPG for enterprise customers with a SE system bundle
SP-SAU-CTMLE-40	Cisco SASU maintenance contract associated with CTM-LE-BDL or CTM-3.2-4.7-UPG, and CTM-4.X-4.7-UPG for service provider customers with an LE system bundle
CON-SAU-CTMLE-40	Cisco SASU maintenance contract associated with CTM-LE-BDL or CTM-3.2-4.7-UPG, CTM-4.0-4.7-UPG, and CTM-4.X-4.7-UPG for enterprise customers with an LE system bundle
SP-SAU-CTMSS-4X	Cisco SASU maintenance contract associated with CTM-SS-BDL or CTM-3.2-4.7-UPG, CTM-4.0-4.7-UPG, and CTM-4.X-4.7-UPG for service provider customers with an SS system bundle
CON-SAU-CTMSS-4X	Cisco SASU maintenance contract associated with CTM-SS-BDL or CTM-3.2-4.7-UPG, CTM-4.0-4.7-UPG, and CTM-4.X-4.7-UPG for enterprise customers with an SS system bundle
SP-SAU-CORBA-40	Cisco SASU maintenance contract associated with CTM-4.7-CORBA or CTM-4.7-CORBA-UPG for service provider customers

Part Number	Description
CON-SAU-CORBA-40	Cisco SASU maintenance contract associated with CTM-4.7-CORBA or CTM-4.7-CORBA-UPG for enterprise customers
SP-SAU-HA-40	Cisco SASU maintenance contract associated with CTM-4.7-HA or CTM-4.7-HA-UPG for service provider customers
CON-SAU-HA-40	Cisco SASU maintenance contract associated with CTM-4.7-HA or CTM-4.7-HA-UPG for enterprise customers

FOR MORE INFORMATION

For additional product information, visit: www.cisco.com/go/ctm or contact your local account representative.



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