

## Cisco Transport Manager Release 9.0

PB518134



### Product Overview

Cisco® announces Cisco Transport Manager Release 9.0, an intelligent, carrier-class element management system (EMS) that efficiently manages the entire Cisco ONS family of optical transport products, which includes traditional time-division multiplexing (TDM) SONET/SDH, Ethernet/IP, and dense wavelength-division multiplexing (DWDM) services as well as Cisco MGX® 8880 Media Gateway and voice-enabled Cisco MGX 8850 and MGX 8830 Multiservice Switches.

Cisco Transport Manager intelligently supports configuration, fault, performance, and security management and serves as a foundation for integration into a larger, overall OSS environment.

### New Features

Table 1 lists the new features available in Cisco Transport Manager Release 9.0; for further detail on new features refer to your sales representative.

**Table 1.** New Features in Cisco Transport Manager Release 9.0

Feature	Description
<b>Scalability</b>	Cisco Transport Manager 9.0 is qualified with 4000 optical network elements.
<b>IPv6 support</b>	Cisco Transport Manager supports the IPv6 protocol on the DCN network (server to network element communication) and on the CORBA northbound interface (server to OSS communication).
<b>SNMPv3</b>	SNMPv3 support extended to the 155xx network. Cisco Transport Manager provides full provisioning capabilities.
<b>UltraSparc T2 support</b>	Qualification of T5120 and T5220 SUN servers
<b>External authentication</b>	Cisco Transport Manager supports external username and password authentication through RADIUS server. Users with the appropriate privileges can enable or disable external authentication.

## Supported Network Elements

Following is a list of network elements and software versions supported by Cisco Transport Manager Release 9.0:

- Cisco ONS 15216 100-GHz Optical Add/Drop Multiplexer (OADM) Releases 2.2.2, 2.2.3
- Cisco ONS 15216 100-GHz DWDM Red/Blue filters
- Cisco ONS 15216 Erbium-Doped Fiber Amplifier 2 (EDFA2) Releases 2.3, 2.4
- Cisco ONS 15216 EDFA3 Release 1.1
- Cisco ONS 15216 200-GHz OADM, EDFA1, DWDM filters, Optical Supervisory Channel (OSC), and Dispersion Compensation Unit (DCU)
- Cisco ONS 15216 FlexLayer
- Cisco ONS 15302 Multiservice Customer Access Platform Releases 2.0.2
- Cisco ONS 15305 Multiservice Customer Access Platform Releases 2.0.3, 3.0.5, 3.0.6
- Cisco ONS 15310-CL SONET Multiservice Platform 5.0.8, 6.0.1, 6.0.3, 6.2, 6.2.2, 7.0, 7.0.2, 7.0.4, 7.0.5, 7.2, 7.2.2, 7.2.3, 8.0, 8.5, 8.5.1, 9.0
- Cisco ONS 15310-MA SONET Multiservice Platform Releases 7.0, 7.0.2, 7.0.4, 7.0.5, 7.2, 7.2.2, 7.2.3, 8.0, 8.5, 8.5.1, 8.5.3, 9.0
- Cisco ONS 15310-MA SDH Multiservice Platform Release 9.0
- Cisco ONS 15327 SONET Multiservice Platform Releases 4.1.4, 4.1.82, 4.6.6, 5.0.4, 5.0.8, 6.0.1, 6.0.3, 6.2, 6.2.2, 7.0, 7.0.2, 7.0.4, 7.2, 7.2.2, 7.2.3
- Cisco ONS 15454 SONET Multiservice Platform Releases, 4.1.4, 4.1.6, 4.1.82, 4.6.2, 5.0.2, 5.0.6, 5.0.8, 6.0, 6.0.1, 6.0.3, 6.2, 6.2.2, 7.0, 7.0.1 (MSTP only), 7.0.2, 7.0.3 (MSTP only), 7.0.4, 7.0.5, 7.0.6 (MSTP only), 7.0.7, 7.2, 7.2.2, 7.2.3, 8.0, 8.0.2, 8.5, 8.5.3, 9.0
- Cisco ONS 15454 SDH Multiservice Platform Releases 4.6.2, 5.0.2, 5.0.6, 6.0, 6.0.1, 6.0.3, 6.2, 6.2.2, 7.0, 7.0.1 (MSTP only), 7.0.2, 7.0.4, 7.0.5, 7.0.7, 7.2, 7.2.2, 7.2.3, 8.0, 8.0.2, 8.5, 8.5.1, 8.5.2, 8.5.3, 9.0
- Cisco ONS 15501 DC Release 4.1
- Cisco ONS 15501 AC Release 4.1
- Cisco IOS<sup>®</sup> Software Releases 12.2(29)SV3 and 12.2(30)S for the Cisco ONS 15530
- Cisco IOS Software Releases 12.2(29)SV3 and 12.2(30)S for the Cisco ONS 15540 Extended Services Platform (EXP)
- Cisco IOS Software Releases 12.2(29)SV3 and 12.2(30)S for the Cisco ONS 15540 ESPx

- Cisco ONS 15600 SONET Multiservice Switching Platform (MSSP) Releases 5.0.8, 6.0.1, 6.2.4, 7.0, 7.0.4, 7.2, 7.2.2, 7.2.3, 8.0
- Cisco ONS 15600 SDH MSSP Release 1.4, 8.0, 9.0
- Cisco ONS 15800 DWDM ANSI Platform Release 2.1
- Cisco ONS 15801 DWDM ETSI Platform Release 2.1
- Cisco ONS 15808 DWDM Platform Release 2.2
- Cisco MDS 9000 Series
- Cisco MGX 8880 Media Gateway Releases 5.3.30, 5.4.20, 5.5.00
- Voice-enabled Cisco MGX 8850 Multiservice Switch Releases 5.3.30, 5.4.20, 5.5.00
- Voice-enabled Cisco MGX 8830 Multiservice Switch Releases 5.3.30, 5.4.20, 5.5.00
- Cisco VISM-PR Releases 3.3.25, 3.3.30, 3.3.35
- Cisco VXSM Releases 5.3.30, 5.4.20, 5.5.00

## Upgrade Path

Customers who are running an older version of Cisco Transport Manager and wish to upgrade to Cisco Transport Manager 9.0 should use one of the Cisco Transport Manager Upgrade Kits.

Existing node right-to-use (RTU) licenses and client licenses are still valid if the customer is upgrading using one of the Cisco Transport Manager Upgrade Kits. Additional licenses need be purchased only when new nodes are being added to the network or additional clients are required.

## Availability

Cisco Transport Manager 9.0 will begin shipping February 26, 2009. Customers can place orders through their normal sales channels beginning February 20, 2009. Starting with Cisco Transport Manager 7.0, only the Cisco Software Application Support (SAS) contract is available.

## 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 network element RTU licenses. Table 2 lists the part numbers and descriptions associated with Cisco Transport Manager 9.0.

**Table 2.** Ordering Information

Part Number	Description
<b>Cisco Transport Manager Release Software Product Kits</b>	
<b>CTM-9.0-K9</b>	Cisco Transport Manager 9.0
<b>CTM-9.0-NE10-K9</b>	Cisco Transport Manager 9.0 to manage up to 10 nodes and 5 concurrent clients
<b>CTM-9.0-NE50-K9</b>	Cisco Transport Manager 9.0 to manage up to 50 nodes and 10 concurrent clients
<b>CTM-9.0-NE200-K9</b>	Cisco Transport Manager 9.0 to manage up to 200 nodes and 20 concurrent clients
<b>CTM-9.0-NE3K-K9</b>	Cisco Transport Manager 9.0 to manage up to 3000 nodes and 75 concurrent clients
<b>CTM-9-CRBA-FIP-NBI</b>	Cisco Transport Manager 9.0 – GateWay/CORBA OSS Interface Fault Monitoring, Performance Monitoring
<b>CTM-9-CRBA-PRO-NBI</b>	Cisco Transport Manager 9.0 – GateWay/CORBA OSS Interface FM, PM, Provisioning
<b>CTM-9.0-HA</b>	Cisco Transport Manager 9.0 High Availability Agent 2.3
<b>CTM-9.0-AUTH</b>	Cisco Transport Manager 9.0 External Authentication License

<b>Cisco Transport Manager Release Upgrades</b>	
<b>CTM-9-UPG-20NE-K9</b>	Cisco Transport Manager 9.0 – Upgrade Kit up to 20 network elements (NEs R8.x to R9.0, SW CDs
<b>CTM-9-UPG-50NE-K9</b>	Cisco Transport Manager 9.0– Upgrade Kit up to 50 NEs, R8.x to R9.0, SW CDs
<b>CTM-9-UPG-100NE-K9</b>	Cisco Transport Manager 9.0– Upgrade Kit up to 100 NEs, R8.x to R9.0, SW CDs
<b>CTM-9-UPG-200NE-K9</b>	Cisco Transport Manager 9.0– Upgrade Kit up to 200 NEs, R8.x to R9.0, SW CDs
<b>CTM-9-UPG-500NE-K9</b>	Cisco Transport Manager 9.0 – Upgrade Kit up to 500 NEs, R8.x to R9.0, SW CDs
<b>CTM-9-UPG-1kNE-K9</b>	Cisco Transport Manager 9.0 – Upgrade Kit up to 1000 NEs, R8.x to R9.0, SW CDs
<b>CTM-9-UPG-2kNE-K9</b>	Cisco Transport Manager 9.0 – Upgrade Kit up to 2000 NEs, R8.x to R9.0, SW CDs
<b>CTM-9-UPG-4kNE-K9</b>	Cisco Transport Manager 9.0 – Upgrade Kit up to 4000 NEs, R8.x to R9.0, SW CDs
<b>CTM-9.0-AUTH-UPG</b>	Cisco Transport Manager 9.0 External Authentication License Upgrade
<b>CTM-9.0-CORBA-UPG</b>	Cisco Transport Manager GateWay/CORBA Northbound Interface 9.0 Upgrade
<b>CTM-9.0-HA-UPG</b>	Cisco Transport Manager 9.0 High Availability Agent 2.3 Upgrade
<p><b>Note:</b> Cisco SAS is available for all the above-listed application and related upgrades. The purchase of an annual Cisco SAS maintenance contract entitles you to free upgrades to minor and maintenance application releases, access to the Cisco.com Software Center for patches and bug fixes, and Cisco Technical Assistance Center (TAC) support. Refer to your Cisco sales representative for further information.</p>	
<b>Cisco Transport Manager License Upgrades</b>	
<b>CTM-NE10TO50-UPG</b>	Cisco Transport Manager to manage up to 50 nodes, License Upgrade
<b>CTM-NE50TO200-UPG</b>	Cisco Transport Manager to manage up to 200 nodes, License Upgrade
<b>CTM-NE200TO3K-UPG</b>	Cisco Transport Manager License Upgrade from 200 NEs Max to 3000 NEs Max
<b>CTM-NE200UNL-UPG</b>	Cisco Transport Manager License Upgrade from 200 NEs Max to Max Number of NEs
<b>CTM-NE3KUNL-UPG</b>	Cisco Transport Manager License Upgrade from 3000 NEs Max to Max Number of NEs
<b>Cisco Transport Manager Client RTU Licenses</b>	
<b>CTML-9-CLIENT-001, -010, -050</b>	Cisco Transport Manager Client RTU License (1 RTU, 10 RTU block, 50 RTU block)
<b>Cisco Transport Manager Network Element RTU Licenses</b>	
<b>CTML-9-15216-001</b>	Cisco Transport Manager RTU license for 15216 – 1 RTU
<b>CTML-9-15302-001</b>	Cisco Transport Manager RTU license for 15302 – 1 RTU
<b>CTML-9-15302-025</b>	Cisco Transport Manager RTU license for 15302 – 25 Block
<b>CTML-9-15305-001</b>	Cisco Transport Manager RTU license for 15305 – 1 RTU
<b>CTML-9-15305-025</b>	Cisco Transport Manager RTU license for 15305 – 25 Block
<b>CTML-9-15310-001</b>	Cisco Transport Manager RTU license for 15310 – 1 RTU
<b>CTML-9-15310-025</b>	Cisco Transport Manager RTU license for 15310 – 25 Block
<b>CTML-9-15310-100</b>	Cisco Transport Manager RTU license for 15310 – 100 Block
<b>CTML-9-15530-001</b>	Cisco Transport Manager RTU license for 15530 – 1 RTU
<b>CTML-9-15540-001</b>	Cisco Transport Manager RTU license for 15540 - 1 RTU
<b>CTML-9-15327-001</b>	Cisco Transport Manager RTU license for 15327 – 1 RTU
<b>CTML-9-15327-025</b>	Cisco Transport Manager RTU license for 15327 – 25 Block
<b>CTML-9-15454-001</b>	Cisco Transport Manager RTU license for 15454 – 1 RTU
<b>CTML-9-15454-025</b>	Cisco Transport Manager RTU license for 15454 – 25 Block
<b>CTML-9-15454-050</b>	Cisco Transport Manager RTU license for 15454 – 50 Block
<b>CTML-9-15454-100</b>	Cisco Transport Manager RTU license for 15454 – 100 Block
<b>CTML-9-15600-001</b>	Cisco Transport Manager RTU license for 15600 – 1 RTU
<b>CTML-9-15600-005</b>	Cisco Transport Manager RTU license for 15600 – 5 Block
<b>CTML-9-15600-025</b>	Cisco Transport Manager RTU license for 15600 – 25 Block
<b>CTML-9-1580X-001</b>	Cisco Transport Manager RTU license for 1580X – 1 RTU
<b>CTML-9-8880-001</b>	Cisco Transport Manager RTU: License for Cisco MGX 8880

<b>CTML-9-8850-001</b>	Cisco Transport Manager RTU: License for Cisco MGX 8850
<p><b>Note:</b> 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 ONS 15216 Unidirectional Filter and MDS 9000 nodes 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. MDS 9000 Family nodes are not actively managed by Cisco Transport Manager and hence do not require a Cisco Transport Manager RTU.</p>	

## For More Information

For additional product information on Cisco Transport Manager Release 9.0, visit <http://www.cisco.com/go/ctm> or contact your local account representative.



**Americas Headquarters**  
Cisco Systems, Inc.  
San Jose, CA

**Asia Pacific Headquarters**  
Cisco Systems (USA) Pte. Ltd.  
Singapore

**Europe Headquarters**  
Cisco Systems International BV  
Amsterdam, The Netherlands

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