



CHAPTER 11

Change Node Settings

This chapter explains how to modify provisioning for the Cisco ONS 15600. To provision a new node, see [Chapter 4, “Turn Up a Node.”](#)

Before You Begin

Before performing the following procedures, investigate all alarms and clear any trouble conditions. Refer to the *Cisco ONS 15600 Troubleshooting Guide* as needed.

This section lists the chapter procedures (NTPs). Turn to a procedure for applicable tasks (DLPs).

1. [NTP-E96 Change Node Management Information, page 11-2](#)—Complete as needed to change node name, contact information, latitude, longitude, date, and time.
2. [NTP-E59 Change CTC Network Access, page 11-2](#)—Complete as needed to change the IP address, default router, subnet mask, and network configuration settings, and to modify static routes.
3. [NTP-E175 Modify OSI Provisioning, page 11-3](#)—Complete this procedure as needed to modify Open System Interconnection (OSI) parameters including the OSI routing mode, Target Identifier Address Resolution Protocol (TARP), routers, subnets, and IP over OSI tunnels.
4. [NTP-E60 Customize the CTC Network View, page 11-4](#)—Complete as needed to customize the appearance of the network map.
5. [NTP-E61 Modify or Delete Optical 1+1 Port Protection Settings, page 11-4](#)—Complete as needed to modify and delete 1+1 protection groups.
6. [NTP-E62 Change Node Timing, page 11-5](#)—Complete as needed to make changes to the ONS 15600 timing parameters.
7. [NTP-E63 Modify Users and Change Security, page 11-6](#)—Complete as needed to make changes to user settings and to delete users.
8. [NTP-E64 Change SNMP Settings, page 11-6](#)—Complete as needed to modify or delete Simple Network Management Protocol (SNMP) properties.
9. [NTP-E65 Change the Internal IP Addresses for the TSC Cards Using CTC, page 11-7](#)—Complete as needed to change the internal subnet address on the Timing and Shelf Controller (TSC) cards.
10. [NTP-E128 Modify or Delete Communications Channel Terminations, page 11-8](#)—Complete this procedure as needed to modify or delete SONET Section data communication channel (SDCC) or Line data communication channel (LDCC) terminations or provisionable patchcords.

NTP-E96 Change Node Management Information

Purpose	This procedure changes node name, date, time, contact information, or the login legal disclaimer.
Tools/Equipment	None
Prerequisite Procedures	NTP-E22 Set Up Date, Time, and Contact Information, page 4-4
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

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- Step 1** Complete the “[DLP-E26 Log into CTC](#)” task on page 16-31. If you are already logged in, continue with [Step 2](#).
- Step 2** As needed, complete the “[NTP-E69 Back Up the Database](#)” procedure on page 14-4.
- Step 3** Click the **Provisioning > General** tabs.
- Step 4** Complete the “[DLP-E128 Change the Node Name, Date, Time, and Contact Information](#)” task on page 17-24.
- Step 5** As needed, complete the “[DLP-E29 Change the Login Legal Disclaimer](#)” task on page 16-36.
- Step 6** After you confirm the changes, complete the “[NTP-E69 Back Up the Database](#)” procedure on page 14-4.
- Stop. You have completed this procedure.**
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NTP-E59 Change CTC Network Access

Purpose	This procedure changes essential network information, including IP settings, static routes, and Open Shortest Path First (OSPF) options.
Tools/Equipment	None
Prerequisite Procedures	NTP-E23 Set Up CTC Network Access, page 4-7
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher



Note

Additional ONS 15600 networking information and procedures, including IP addressing examples, static route scenarios, OSPF protocol, and routing information protocol options are provided in the “Management Network Connectivity” chapter of the *Cisco ONS 15600 Reference Manual*.

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- Step 1** Complete the “[DLP-E26 Log into CTC](#)” task on page 16-31. If you are already logged in, continue with [Step 2](#).
- Step 2** Complete the “[NTP-E69 Back Up the Database](#)” procedure on page 14-4.
- Step 3** As needed, complete the following tasks:
- [DLP-E77 Change IP Settings, page 16-76](#)

- [DLP-E31 Create a Static Route](#), page 16-40
- [DLP-E79 Delete a Static Route](#), page 16-78
- [DLP-E80 Disable OSPF](#), page 16-78
- [DLP-E192 Delete a Proxy Tunnel](#), page 17-74
- [DLP-E193 Delete a Firewall Tunnel](#), page 17-74

Step 4 Complete the “[NTP-E69 Back Up the Database](#)” procedure on page 14-4.
Stop. You have completed this procedure.

NTP-E175 Modify OSI Provisioning

Purpose	This procedure modifies the ONS 15600 OSI parameters including the OSI routing mode, TARP, routers, subnets, and IP over CLNS tunnels.
Tools/Equipment	None
Prerequisite Procedures	NTP-E174 Provision OSI , page 4-16
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher



Note

Additional information about the ONS 15600 implementation of OSI is provided in the “Management Network Connectivity” chapter of the *Cisco ONS 15600 Reference Manual*.

- Step 1** Complete the “[DLP-E26 Log into CTC](#)” task on page 16-31. If you are already logged in, continue with Step 2.
- Step 2** Complete the “[NTP-E69 Back Up the Database](#)” procedure on page 14-4.
- Step 3** Perform any of the following tasks as needed:
- [DLP-E248 Provision or Modify TARP Operating Parameters](#), page 18-62
 - [DLP-E249 Add a Static TID-to-NSAP Entry to the TARP Data Cache](#), page 18-64
 - [DLP-E250 Remove a Static TID-to-NSAP Entry from the TARP Data Cache](#), page 18-65
 - [DLP-E251 Add a TARP Manual Adjacency Table Entry](#), page 18-65
 - [DLP-E256 Remove a TARP Manual Adjacency Table Entry](#), page 18-69
 - [DLP-E257 Change the OSI Routing Mode](#), page 18-70
 - [DLP-E258 Edit the OSI Router Configuration](#), page 18-71
 - [DLP-E259 Edit the OSI Subnetwork Point of Attachment](#), page 18-71
 - [DLP-E260 Edit an IP-Over-CLNS Tunnel](#), page 18-72
 - [DLP-E261 Delete an IP-Over-CLNS Tunnel](#), page 18-73
- Step 4** Complete the “[NTP-E69 Back Up the Database](#)” procedure on page 14-4.

Stop. You have completed this procedure.

NTP-E60 Customize the CTC Network View

Purpose	This procedure modifies the CTC network view, including grouping nodes into domains for a neater display, changing the network view background color, and using a custom image for the network view background.
Tools/Equipment	None
Prerequisite Procedures	None
Required/As needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Superuser

Step 1 Complete the “DLP-E26 Log into CTC” task on page 16-31 for instructions. If you are already logged in, continue with [Step 2](#).

Step 2 As needed, complete the following tasks:

- [DLP-E81 Change the Network View Background Color, page 16-79](#)
- [DLP-E82 Change the Default Network View Background Map, page 16-79](#)
- [DLP-E83 Apply a Custom Network View Background, page 16-80](#)
- [DLP-E84 Create Domain Icons, page 16-81](#)
- [DLP-E85 Manage Domain Icons, page 16-82](#)
- [DLP-E129 Enable Dialog Box Do-Not-Display Option, page 17-25](#)
- [DLP-E273 Consolidate Links in Network View, page 18-88](#)

Stop. You have completed this procedure.

NTP-E61 Modify or Delete Optical 1+1 Port Protection Settings

Purpose	This procedure modifies or deletes port protection settings on optical cards.
Tools/Equipment	None
Prerequisite Procedures	NTP-E26 Create a 1+1 Protection Group, page 4-11
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher



Caution

Modifying and deleting protection groups can be service affecting.

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- Step 1** Complete the “DLP-E26 Log into CTC” task on page 16-31. If you are already logged into the correct node, continue with [Step 2](#).
- Step 2** Complete the “NTP-E69 Back Up the Database” procedure on page 14-4.
- Step 3** As needed, complete any of the following tasks or procedures:
- [DLP-E86 Modify a 1+1 Protection Group](#), page 16-83
 - [DLP-E87 Delete a 1+1 Protection Group](#), page 16-83
 - [NTP-E128 Modify or Delete Communications Channel Terminations](#), page 11-8
- Step 4** Complete the “NTP-E69 Back Up the Database” procedure on page 14-4.
- Stop. You have completed this procedure.**
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NTP-E62 Change Node Timing

Purpose	This procedure changes the SONET timing settings for the ONS 15600.
Tools/Equipment	None
Prerequisite Procedures	NTP-E24 Set Up Timing , page 4-10
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

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- Step 1** Complete the “DLP-E26 Log into CTC” task on page 16-31. If you are already logged in, continue with [Step 2](#).
- Step 2** Complete the “NTP-E69 Back Up the Database” procedure on page 14-4.
- Step 3** As needed, complete the “DLP-E89 Change the Node Timing Source” task on page 16-84.
- Step 4** If you need to change any internal timing settings, follow the “DLP-E34 Set Up Internal Timing” task on page 16-45 for the settings you need to modify.



Caution

Internal timing is Stratum 3E and not intended for permanent use. All ONS 15600s should be timed to a Stratum 2 or better primary reference source.

- Step 5** As needed, complete the “NTP-E69 Back Up the Database” procedure on page 14-4.
- Stop. You have completed this procedure.**
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NTP-E63 Modify Users and Change Security

Purpose	This procedure modifies user and security properties for the ONS 15600.
Tools/Equipment	None
Prerequisite Procedures	NTP-E26 Create Users and Assign Security, page 4-3
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Superuser

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- Step 1** Complete the “[DLP-E26 Log into CTC](#)” task on page 16-31. If you are already logged in, continue with [Step 2](#).
- Step 2** Complete the “[NTP-E69 Back Up the Database](#)” procedure on page 14-4.
- Step 3** To view logged on users, click the **Provisioning > Security > Active Logins** tabs.
- Step 4** As needed, complete any of the following tasks:
- [DLP-E130 Change Security Policy on a Single Node, page 17-26](#)
 - [DLP-E131 Change Security Policy on Multiple Nodes, page 17-27](#)
 - [DLP-E132 Change User Password and Security Levels for a Single Node, page 17-28](#)
 - [DLP-E133 Change User and Security Settings for Multiple Nodes, page 17-28](#)
 - [DLP-E270 Grant Superuser Privileges to a Provisioning User, page 18-84](#)
 - [DLP-E158 Manually Lock or Unlock a User on a Single Node, page 17-47](#)
 - [DLP-E159 Manually Lock or Unlock a User on Multiple Nodes, page 17-48](#)
 - [DLP-E135 Log Out a User on a Single Node, page 17-29](#)
 - [DLP-E136 Log Out a User on Multiple Nodes, page 17-30](#)
 - [DLP-E91 Delete a User from a Single Node, page 16-85](#)
 - [DLP-E93 Delete a User From Multiple Nodes, page 16-85](#)
 - [DLP-E268 Configure the Node for RADIUS Authentication, page 18-81](#)
- Step 5** As needed, complete the “[NTP-E69 Back Up the Database](#)” procedure on page 14-4.
- Stop. You have completed this procedure.**
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NTP-E64 Change SNMP Settings

Purpose	This task modifies SNMP properties for the ONS 15600.
Tools/Equipment	None
Prerequisite Procedures	NTP-E27 Set Up SNMP, page 4-13
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Superuser

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- Step 1** Complete the “[DLP-E26 Log into CTC](#)” task on page 16-31. If you are already logged in, continue with [Step 2](#).
- Step 2** Complete the “[NTP-E69 Back Up the Database](#)” procedure on page 14-4.
- Step 3** As needed, complete the following tasks:
- [DLP-E94 Modify SNMP Trap Destinations](#), page 16-86
 - [DLP-E95 Delete SNMP Trap Destination](#), page 16-87
- Step 4** As needed, complete the “[NTP-E69 Back Up the Database](#)” procedure on page 14-4.
- Stop. You have completed this procedure.**
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NTP-E65 Change the Internal IP Addresses for the TSC Cards Using CTC

Purpose	This procedure changes the class B subnet address for the TSC cards. You should change the class B subnet address if your internal network uses the same address range as the default subnet addresses to avoid IP address conflict.
Tools/Equipment	None
Prerequisite Procedures	NTP-E21 Verify Card Installation , page 4-2 DLP-E26 Log into CTC , page 16-31
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher



Caution

All network changes should be approved by your network or LAN administrator.



Note

This procedure causes the node to reboot.

- Step 1** Click the **Provisioning > Network > Internal Subnet** tabs.
- Step 2** Complete the following information in the fields listed:
- TSC 1—Enter the class B subnet address for the first TSC.
 - TSC 2—If two TSC cards are installed, enter the class B subnet address for the second TSC card.
- Step 3** Click **Apply**. A confirmation dialog box appears.
- Step 4** Verify that the information is correct and click **Yes**.
- Stop. You have completed this procedure.**
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NTP-E128 Modify or Delete Communications Channel Terminations

Purpose	This procedure changes or deletes SDCC and LDCC terminations.
Tools/Equipment	None
Prerequisite Procedures	DLP-E114 Provision Section DCC Terminations, page 17-13 or DLP-E189 Provision Line DCC Terminations, page 17-70 or
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher



Caution

Deleting a DCC termination can cause you to lose visibility of nodes that do not have other DCCs or network connections to the Cisco Transport Controller (CTC) computer.

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- Step 1** Complete the [“DLP-E26 Log into CTC” task on page 16-31](#). If you are already logged in, continue with Step 2.
- Step 2** As needed, complete the following tasks to modify DCC settings:
- To modify an SDCC termination, complete the [“DLP-E196 Change a Section DCC Termination” task on page 17-75](#).
 - To modify an LDCC termination, complete the [“DLP-E197 Change a Line DCC Termination” task on page 17-75](#).
- Step 3** As needed, complete the following tasks to delete DCC terminations:
- To delete a SDCC termination, complete the [“DLP-E198 Delete a Section DCC Termination” task on page 17-76](#).
 - To delete an LDCC termination, complete the [“DLP-E199 Delete a Line DCC Termination” task on page 17-76](#).

Stop. You have completed this procedure.
