



Change Node Settings



Note

The terms “Unidirectional Path Switched Ring” and “UPSR” may appear in Cisco literature. These terms do not refer to using Cisco ONS 15xxx products in a unidirectional path switched ring configuration. Rather, these terms, as well as “Path Protected Mesh Network” and “PPMN,” refer generally to Cisco’s path protection feature, which may be used in any topological network configuration. Cisco does not recommend using its path protection feature in any particular topological network configuration.

This chapter explains how to modify node provisioning for the Cisco ONS 15454. To provision a new node, see [Chapter 4, “Turn Up Node.”](#) To change default network element settings and to view a list of those settings, refer to the “Network Element Defaults” appendix in the *Cisco ONS 15454 Reference Manual*.

Before You Begin

Before performing the following procedures, investigate all alarms and clear any trouble conditions. Refer to the *Cisco ONS 15454 Troubleshooting Guide* as necessary.

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

1. [NTP-A81 Change Node Management Information, page 10-2](#)—Complete this procedure as needed to change node name, contact information, latitude, longitude, date, time, and login legal disclaimer.
2. [NTP-A201 Change CTC Network Access, page 10-2](#)—Complete this procedure as needed to change the IP address, default router, subnet mask, network configuration settings, and static routes.
3. [NTP-A202 Customize the CTC Network View, page 10-3](#)—As needed, complete this procedure to create domains and customize the appearance of the network map, including specifying a different default map, creating domains, selecting your own map or image, and changing the background color.
4. [NTP-A203 Modify or Delete Card Protection Settings, page 10-4](#)—Complete as needed.
5. [NTP-A292 Modify or Delete Communications Channel Terminations and Provisionable Patchcords, page 10-4](#)—Complete this procedure as needed to modify or delete DCC or LDCC terminations or provisionable patchcords.
6. [NTP-A85 Change Node Timing, page 10-5](#)—Complete as needed.
7. [NTP-A205 Modify Users and Change Security, page 10-6](#)—Complete this procedure as needed to make changes to user settings, including security level and security policies, and to delete users.
8. [NTP-A87 Change SNMP Settings, page 10-6](#)—Complete as needed.

NTP-A81 Change Node Management Information

Purpose	This procedure changes the node name, date, time, contact information, or the login legal disclaimer.
Tools/Equipment	None
Prerequisite Procedures	NTP-A25 Set Up Name, 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-A60 Log into CTC](#)” task on page 17-66. If you are already logged in, continue with Step 2.
- Step 2** Complete the “[NTP-A108 Back Up the Database](#)” procedure on page 15-4.
- Step 3** In the node view, click the **Provisioning** > **General** tabs.
- Step 4** Complete the “[DLP-A140 Change the Node Name, Date, Time, and Contact Information](#)” task on page 18-16, as needed.
- Step 5** Complete the “[DLP-A265 Change the Login Legal Disclaimer](#)” task on page 19-50, as needed.
- Step 6** After confirming the changes, complete the “[NTP-A108 Back Up the Database](#)” procedure on page 15-4.
- Stop. You have completed this procedure.**
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NTP-A201 Change CTC Network Access

Purpose	This procedure changes essential network information, including IP settings, static routes, and OSPF options.
Tools/Equipment	None
Prerequisite Procedures	NTP-A169 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 15454 networking information and procedures, including IP addressing examples, static route scenarios, Open Shortest Path First (OSPF) protocol, and routing information protocol options are provided in the “CTC Network Connectivity” chapter of the *Cisco ONS 15454 Reference Manual*.

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- Step 1** Complete the “[DLP-A60 Log into CTC](#)” task on page 17-66. If you are already logged in, continue with Step 2.
- Step 2** Complete the “[NTP-A108 Back Up the Database](#)” procedure on page 15-4.
- Step 3** Perform any of the following tasks as needed:
- [DLP-A266 Change IP Settings, page 19-51](#)

- [DLP-A142 Modify a Static Route, page 18-17](#)
- [DLP-A143 Delete a Static Route, page 18-17](#)
- [DLP-A144 Disable OSPF, page 18-18](#)
- [DLP-A250 Set Up or Change Open Shortest Path First Protocol, page 19-34](#)
- [DLP-A382 Delete a Proxy Tunnel, page 20-64](#)
- [DLP-A383 Delete a Firewall Tunnel, page 20-65](#)
- [DLP-A434 Lock Node Security, page 21-12](#)
- [DLP-A435 Modify Backplane Port IP Settings, page 21-13](#)
- [DLP-A436 Disable Node Security Mode, page 21-14](#)

Step 4 Complete the “[NTP-A108 Back Up the Database](#)” procedure on page 15-4.
Stop. You have completed this procedure.

NTP-A202 Customize the CTC Network View

Purpose	This procedure modifies the CTC network view, including grouping nodes into domains for a less-cluttered 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	Provisioning or higher

Step 1 Complete the “[DLP-A60 Log into CTC](#)” task on page 17-66. If you are already logged in, continue with Step 2.

Step 2 Complete the following tasks, as needed:

- [DLP-A145 Change the Network View Background Color, page 18-18](#)
- [DLP-A528 Change the Default Network View Background Map, page 22-25](#)
- [DLP-A268 Apply a Custom Network View Background Map, page 19-52](#)
- [DLP-A148 Create Domain Icons, page 18-19](#)
- [DLP-A149 Manage Domain Icons, page 18-19](#)
- [DLP-A269 Enable Dialog Box Do-Not-Display Option, page 19-53](#)
- [DLP-A498 Switch Between TDM and DWDM Network Views, page 21-27](#)

Stop. You have completed this procedure.

NTP-A203 Modify or Delete Card Protection Settings

Purpose	This procedure modifies and deletes card protection settings.
Tools/Equipment	None
Prerequisite Procedures	NTP-A170 Create Protection Groups, page 4-10
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-A60 Log into CTC](#)” task on page 17-66. If you are already logged in, continue with Step 2.
- Step 2** Complete the “[NTP-A108 Back Up the Database](#)” procedure on page 15-4.
- Step 3** Perform any of the following tasks as needed:
- [DLP-A150 Modify a 1:1 Protection Group, page 18-20](#)
 - [DLP-A152 Modify a 1:N Protection Group, page 18-21](#)
 - [DLP-A154 Modify a 1+1 Protection Group, page 18-22](#)
 - [DLP-A35 Modify an Optimized 1+1 Protection Group, page 17-41](#)
 - [DLP-A155 Delete a Protection Group, page 18-23](#)
- Step 4** Complete the “[NTP-A108 Back Up the Database](#)” procedure on page 15-4.
- Stop. You have completed this procedure.**
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NTP-A292 Modify or Delete Communications Channel Terminations and Provisionable Patchcords

Purpose	This procedure changes or deletes SDCC and LDCC terminations and deletes provisionable patchcords on the ONS 15454.
Tools/Equipment	None
Prerequisite Procedures	DLP-A377 Provision Section DCC Terminations, page 20-61 or DLP-A378 Provision Line DCC Terminations, page 20-62 or or DLP-A367 Create a Provisionable Patchcord, page 20-51
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 CTC computer.

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- Step 1** Complete the [“DLP-A60 Log into CTC” task on page 17-66](#). If you are already logged in, continue with Step 2.
- Step 2** As needed, complete the following tasks to modify data communication channel settings:
- To modify an SDCC termination, complete the [“DLP-A374 Change a Section DCC Termination” task on page 20-60](#).
 - To modify an LDCC termination, complete the [“DLP-A375 Change a Line DCC Termination” task on page 20-60](#).
- Step 3** As needed, complete the following tasks to delete data communication channel terminations:
- To delete a SDCC termination, complete the [“DLP-A156 Delete a Section DCC Termination” task on page 18-23](#).
 - To delete an LDCC termination, complete the [“DLP-A359 Delete a Line DCC Termination” task on page 20-45](#).
- Step 4** As needed, to delete a provisioning patchcord complete the [“DLP-A368 Delete a Provisionable Patchcord” task on page 20-52](#).

Stop. You have completed this procedure.

NTP-A85 Change Node Timing

Purpose	This procedure changes the SONET timing settings for the ONS 15454.
Tools/Equipment	None
Prerequisite Procedures	NTP-A28 Set Up Timing, page 4-9
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

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- Step 1** Complete the [“DLP-A60 Log into CTC” task on page 17-66](#). If you are already logged in, continue with Step 2.
- Step 2** Complete the [“NTP-A108 Back Up the Database” procedure on page 15-4](#).
- Step 3** As needed, complete the [“DLP-A157 Change the Node Timing Source” task on page 18-24](#).
- Step 4** If you need to change any internal timing settings, follow the [“DLP-A70 Set Up Internal Timing” task on page 17-77](#) for the settings you need to modify.

**Caution**

Internal timing is Stratum 3 and not intended for permanent use. All ONS 15454s should be timed to a Stratum 2 or better primary reference source.

- Step 5** If you need to verify timing after removing a node from a BLSR or path protection, see the [“DLP-A195 Verify Timing in a Reduced Ring” task on page 18-67](#).
- Step 6** Complete the [“NTP-A108 Back Up the Database” procedure on page 15-4](#).
- Stop. You have completed this procedure.**
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NTP-A205 Modify Users and Change Security

Purpose	This procedure modifies user and security properties for the ONS 15454.
Tools/Equipment	None
Prerequisite Procedures	NTP-A30 Create Users and Assign Security, page 4-4
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Superuser

- Step 1** Complete the [“DLP-A60 Log into CTC” task on page 17-66](#). If you are already logged in, continue with Step 2.
- Step 2** Complete the [“NTP-A108 Back Up the Database” procedure on page 15-4](#).
- Step 3** Perform any of the following tasks as needed:
- [DLP-A271 Change Security Policy on a Single Node, page 19-53](#)
 - [DLP-A272 Change Security Policy on Multiple Nodes, page 19-55](#)
 - [DLP-A511 Change Node Access and PM Clearing Privilege, page 22-4](#)
 - [DLP-A158 Change User Password and Security Level on a Single Node, page 18-25](#)
 - [DLP-A160 Change User Password and Security Level on Multiple Nodes, page 18-26](#)
 - [DLP-A159 Delete a User from a Single Node, page 18-26](#)
 - [DLP-A161 Delete a User from Multiple Nodes, page 18-27](#)
- Step 4** Complete the [“NTP-A108 Back Up the Database” procedure on page 15-4](#).
- Stop. You have completed this procedure.**
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NTP-A87 Change SNMP Settings

Purpose	This procedure modifies SNMP settings for the ONS 15454.
Tools/Equipment	None
Prerequisite Procedures	NTP-A256 Set Up SNMP, page 4-12
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

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- Step 1** Complete the [“DLP-A60 Log into CTC” task on page 17-66](#). If you are already logged in, continue with Step 2.
- Step 2** Complete the [“NTP-A108 Back Up the Database” procedure on page 15-4](#).
- Step 3** Perform any of the following tasks as needed:
- [DLP-A273 Modify SNMP Trap Destinations, page 19-56](#)
 - [DLP-A163 Delete SNMP Trap Destinations, page 18-28](#)
- Step 4** Complete the [“NTP-A108 Back Up the Database” procedure on page 15-4](#).
- Stop. You have completed this procedure.**
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