



Connect the PC and Log into the GUI

This chapter explains how to connect PCs and workstations to the Cisco ONS 15327 and how to log into Cisco Transport Controller (CTC) software, which is the Cisco ONS 15327 Operation, Administration, Maintenance and Provisioning (OAM&P) user interface. Procedures for connecting to the ONS 15327 using TL1 are provided in the *Cisco ONS SONET TL1 Command Guide*.

Before You Begin

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

1. [NTP-B21 Set Up Computer for CTC, page 2-1](#)—Complete this procedure if your PC or workstation has never been connected to an ONS 15327.
2. [NTP-B232 Set Up CTC Computer for Local Craft Connection to the ONS 15327, page 2-2](#)—Complete this procedure to set up your computer for an onsite craft connection to the ONS 15327.
3. [NTP-B233 Set Up a CTC Computer for a Corporate LAN Connection to the ONS 15327, page 2-4](#)—Complete this procedure to set up your computer to connect to the ONS 15327 using a corporate LAN.
4. [NTP-B234 Set Up a Remote Access Connection to the ONS 15327, page 2-5](#)—Complete this procedure to set up your computer for remote modem access to the ONS 15327.
5. [NTP-B23 Log into the ONS 15327 GUI, page 2-6](#)—Complete this procedure to log into CTC.

NTP-B21 Set Up Computer for CTC

Purpose	This procedure configures your PC or UNIX workstation to run CTC.
Tools/Equipment	Cisco ONS 15327 Release 5.0 software or documentation CD
Prerequisite Procedures	Chapter 1, “Install Hardware”
Required/As Needed	Required
Onsite/Remote	Onsite or remote
Security Level	None



Note

JRE 1.4.2 is required to log into nodes running Release 5.0. To log into nodes running Release 4.5 or earlier, you must uninstall JRE 1.4.1 and install JRE 1.3.1_2.

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- Step 1** If your computer does not have an appropriate browser installed, complete the following:
- To install Netscape 7.x, download the browser at the following site:
http://channels.netscape.com/ns/browsers/default.jsp
 - To install Internet Explorer 6.x on a PC, download the browser at the following site:
http://www.microsoft.com
- Step 2** If your computer is a Windows PC, complete the “[DLP-B47 Run the CTC Installation Wizard for Windows](#)” task on page 16-36, then go to [Step 4](#).
- Step 3** If your computer is a UNIX workstation, complete the “[DLP-B48 Run the CTC Installation Wizard for UNIX](#)” task on page 16-39.
- Step 4** When your PC or workstation is set up, continue with one of the following procedures:
- [NTP-B232 Set Up CTC Computer for Local Craft Connection to the ONS 15327, page 2-2](#)
 - [NTP-B233 Set Up a CTC Computer for a Corporate LAN Connection to the ONS 15327, page 2-4](#)
 - [NTP-B234 Set Up a Remote Access Connection to the ONS 15327, page 2-5](#)

**Note**

Cisco recommends that you configure your browser to disable the caching of user IDs/passwords on computers used to access Cisco optical equipment.

In Internet Explorer, choose **Tools > Internet Options > Content**. Click **Auto Complete** and uncheck the **User names and passwords on forms** option.

In Netscape 7.0, choose **Edit > Preferences > Privacy & Security > Forms** and uncheck the option to save form data. For passwords, choose **Edit > Preferences > Privacy & Security > Passwords** and uncheck the option to remember passwords. Note that passwords can be stored in an encrypted format. Netscape versions earlier than 6.0 do not cache user IDs and passwords.

Stop. You have completed this procedure.

NTP-B232 Set Up CTC Computer for Local Craft Connection to the ONS 15327

Purpose	This procedure sets up a PC running Windows or a Solaris workstation for an onsite local craft connection to the ONS 15327.
Tools/Equipment	Network interface card (NIC), also referred to as an Ethernet card Straight-through (CAT 5) LAN cable
Prerequisite Procedures	NTP-B21 Set Up Computer for CTC, page 2-1
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	None

- Step 1** Complete one of the CTC computer setup tasks shown in [Table 2-1](#) based upon your CTC connection environment.

Table 2-1 *CTC Computer Setup for Local Craft Connections to the ONS 15327*

CTC Connection Environment	CTC Computer Setup Task
<ul style="list-style-type: none"> You are connecting from a Windows PC. You will connect to one ONS 15327; if you will connect to multiple ONS 15327s, you might need to configure your computer's IP settings each time you connect to an ONS 15327. You need to access non-ONS 15327 applications such as ping and tracert (trace route). 	DLP-B50 Set Up a Windows PC for Craft Connection to an ONS 15327 on the Same Subnet Using Static IP Addresses, page 16-42
<ul style="list-style-type: none"> You are connecting from a Windows PC. The CTC computer is provisioned for DHCP. The ONS 15327 has DHCP forwarding enabled and is connected to a DHCP server. <p>Note The ONS 15327 does not provide IP addresses. If DHCP is enabled, it passes DHCP requests to an external DHCP server.</p>	DLP-B51 Set Up a Windows PC for Craft Connection to an ONS 15327 Using Dynamic Host Configuration Protocol, page 16-44 <p>Note Do not use this task for initial node turn-up. Use the task only if DHCP forwarding is enabled on the ONS 15327. By default, DHCP is not enabled. To enable it, see the “NTP-B169 Set Up CTC Network Access” procedure on page 3-5.</p>
<ul style="list-style-type: none"> You are connecting from a Windows PC. All nodes that you will access run software Release 3.3 or later. You will connect to ONS 15327s at different locations and times and do not wish to reconfigure your PC's IP settings each time. You do not need to access or use non-ONS 15327 applications such as ping and tracert (trace route). You will connect to the ONS 15327 XTC LAN port either directly or through a hub. 	DLP-B52 Set Up a Windows PC for Craft Connection to an ONS 15327 Using Automatic Host Detection, page 16-47
<ul style="list-style-type: none"> You are connecting from a Solaris workstation. You will connect to one ONS 15327; if you will connect to multiple ONS 15327s, you might need to configure your computer's IP settings each time you connect to an ONS 15327. You need to access non-ONS 15327 applications such as ping and traceroute. 	DLP-B53 Set Up a Solaris Workstation for a Craft Connection to an ONS 15327, page 16-49

- Step 2** If your computer is set up for a local craft connection, connect a straight-through (CAT-5) LAN cable from the PC or Solaris workstation NIC to one of the following:
- RJ-45 (LAN) port on the XTC card

- RJ-45 (LAN) port on a hub or switch to which the ONS 15327 is physically connected



Note For instructions on crimping your own straight-through (CAT-5) LAN cables, refer to the *Cisco ONS 15327 Troubleshooting Guide*.



Note For initial shelf turn-up, you should connect your PC directly to the LAN port on the XTC card of the ONS 15327.

Step 3 Continue with the “[NTP-B23 Log into the ONS 15327 GUI](#)” procedure on page 2-6, as applicable.

Stop. You have completed this procedure.

NTP-B233 Set Up a CTC Computer for a Corporate LAN Connection to the ONS 15327

Purpose	This procedure sets up your computer to access the ONS 15327 through a corporate LAN.
Tools/Equipment	Network interface card (NIC), also referred to as an Ethernet card Straight-through (CAT 5) LAN cable
Prerequisite Procedures	<ul style="list-style-type: none"> • NTP-B21 Set Up Computer for CTC, page 2-1 • The ONS 15327 must be provisioned for LAN connectivity, including IP address, subnet mask, and default gateway. • The ONS 15327 must be physically connected to the corporate LAN. • The CTC computer must be connected to the corporate LAN that has connectivity to the ONS 15327.
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	None

Step 1 If your computer is already connected to the corporate LAN, go to [Step 3](#). If you changed your computer’s network settings for craft access to the ONS 15327, change the settings back to the corporate LAN access settings. This generally means:

- Set the IP Address on the TCP/IP dialog box back to **Obtain an IP address automatically** (Windows 98) or **Obtain an IP address from a DHCP server** (Windows NT 4.0, 2000, or XP).
- If your LAN requires that Domain Name System (DNS) or Windows Internet Naming Service (WINS) be enabled, change the setting on the DNS Configuration or WINS Configuration tab of the TCP/IP dialog box.

Step 2 Connect a straight-through (CAT-5) LAN cable from the PC or Solaris workstation NIC card to a corporate LAN port.

- Step 3** If your computer is connected to a proxy server, disable proxy service or add the ONS 15327 nodes as exceptions. To disable proxy service, complete one of the following tasks, depending on the web browser that you use:
- [DLP-B56 Disable Proxy Service Using Internet Explorer \(Windows\)](#), page 16-51
 - [DLP-B57 Disable Proxy Service Using Netscape \(Windows and UNIX\)](#), page 16-52
- Step 4** Continue with the “[NTP-B23 Log into the ONS 15327 GUI](#)” procedure on page 2-6.
- Stop. You have completed this procedure.**
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NTP-B234 Set Up a Remote Access Connection to the ONS 15327

Purpose	This procedure connects an ONS 15327 using a LAN modem.
Tools/Equipment	Modem and modem documentation
Prerequisite Procedures	<ul style="list-style-type: none"> • NTP-B21 Set Up Computer for CTC, page 2-1 • A modem must be connected to the ONS 15327. • The modem must be provisioned for ONS 15327. To run CTC, the modem must be provisioned for Ethernet access.
Required/As Needed	As needed
Onsite/Remote	Onsite
Security Level	None

- Step 1** Connect the modem to the RJ-45 (LAN) port on the XTC card.
- Step 2** While referring to the modem documentation, complete the following tasks to provision the modem for the ONS 15327:
- For CTC access, set the modem for Ethernet access.
 - Assign an IP address to the modem that is on the same subnet as the ONS 15327.
 - The IP address the modem assigns to the CTC computer must be on the same subnet as the modem and the ONS 15327.



Note For assistance on provisioning specific modems, contact the Cisco Technical Assistance Center (TAC). See the “[Obtaining Technical Assistance](#)” section on page xlvii for more information.

- Step 3** Continue with the “[NTP-B23 Log into the ONS 15327 GUI](#)” procedure on page 2-6.
- Stop. You have completed this procedure.**
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NTP-B23 Log into the ONS 15327 GUI

Purpose	This procedure logs into CTC, the graphical user interface software used to manage the ONS 15327. This procedure includes optional node login tasks.
Tools/Equipment	None
Prerequisite Procedures	<p>NTP-B21 Set Up Computer for CTC, page 2-1</p> <p>One of the following procedures:</p> <ul style="list-style-type: none"> • NTP-B232 Set Up CTC Computer for Local Craft Connection to the ONS 15327, page 2-2 • NTP-B233 Set Up a CTC Computer for a Corporate LAN Connection to the ONS 15327, page 2-4 • NTP-B234 Set Up a Remote Access Connection to the ONS 15327, page 2-5
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Retrieve or higher

Step 1 Complete the “[DLP-B60 Log into CTC](#)” task on page 16-52.



Note For information about navigating in CTC, see [Appendix A, “CTC Information and Shortcuts.”](#)

Step 2 As needed, complete the “[DLP-B61 Create Login Node Groups](#)” task on page 16-55. Login node groups allow you to manage nodes that are not connected to the login node via DCC.

Step 3 As needed, complete the “[DLP-B62 Add a Node to the Current Session or Login Group](#)” task on page 16-56.

Step 4 As needed, complete the “[DLP-B20 Delete a Node from the Session or Login Group](#)” task on page 16-17.

Step 5 As needed, complete the “[DLP-B11 Configure the CTC Alerts Dialog Box for Automatic Pop-up](#)” task on page 16-7.

Stop. You have completed this procedure.
