

# Determine and Change a Network Element's IP Address Using the Craft Interface (Cisco ONS 15454 and 15327)

Document ID: 49773

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## Introduction

This document describes how to retrieve the IP address of a network element (NE). For this, you must use a serial cable and connect to the RS232 craft interface of a Timing Communications and Control (TCC) card or Cross-Connect, Timing, and Control (XTC) card with a laptop.

## Prerequisites

## Requirements

There are no specific requirements for this document.

## Components Used

The information in this document is based on these software and hardware versions:

- Cisco ONS 15454
- Cisco ONS 15327

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

## Conventions

Refer to Cisco Technical Tips Conventions for more information on document conventions.

## Procedure

Complete these steps:

1. Connect a serial cable to the RS232 craft interface of the active TCC or XTC.
2. Start Hyperterminal. In order to do so, select **Start>Programs>Accessories>Communications>Hyperterminal** on your desktop.

3. Set up the Hyperterminal with these details (on the basis of the instructions in the Cisco ONS 15454 and Cisco ONS 15327 documentation):

- ◆ Terminal emulation = vt100
- ◆ Bits per second = 9600
- ◆ Parity = None
- ◆ Stop BITS = 1
- ◆ Flow control = None
- ◆ Press ENTER. An angle bracket prompt (>) appears.

4. If nothing appears when you type : in the Hyperterminal window, select **File>Properties>Settings>ASCII Setup** from your desktop.

Check the **Echo Typed Characters Locally** check box under **ASCII Sending**.

If every character typed appears twice, remove the check mark.

## Sample Output

Here is a sample output of this procedure performed on a Cisco ONS 15327:

```
> ACT-USER::CISCO15:123;

!--- This is the login command. Use your actual user name and password.

15327 1970-01-01 16:46:38 M 123 COMPLD ;
15327 1970-01-01 16:46:38 A 1.1 REPT EVT SESSION "15327:NO,"
/* User CISCO15 logged in from Serial Port */

> RTRV-NE-GEN:::123;

!--- This retrieves general attributes of the NE.

15327 1970-01-01 16:50:00 M 123 COMPLD "IPADDR=192.1.0.2,
IPMASK=255.255.255.0,DEFRTR=10.1.1.1,IIOPPORT=57790,NAME="1 5327",
SWVER=4.00.00,LOAD=04.00-003C-08.05,PROTSWVER=3.40.00,PROTLOAD=03.40-002I-
07.02,DEFDESC="\Factory Defaults\","PLATFORM=15327SONET"

>ED-NE-GEN:::123:::NAME=BELLAGIO-91,IPADDR=10.89.238.91,
IPMASK=255.255.255.0,DE FRTR=10.89.238.1;

!--- This edits the attributes.

BELLAGIO-91 1970-01-01 17:08:23 M 123 COMPLD ;

> CANC-USER::CISCO15:123;

!--- This logs you out.

BELLAGIO-91 1970-01-01 17:09:36 M 123 COMPLD ; >
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## Related Information

- [Optical Technology Support Pages](#)
  - [Technical Support & Documentation – Cisco Systems](#)
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