



## Launching EMS

---

This chapter describes how to launch EMS, and includes the following sections:

- Before You Begin, page 3-2
  - Configuring TCP/IP on the EMS Workstation, page 3-2
  - Connecting the NE to EMS Workstation, page 3-3
  - Entering a Username and Password, page 3-4
- How To Launch EMS, page 3-5
  - Launching EMS for Windows NT, page 3-5
  - Launching Windows 95, page 3-6
  - Launching EMS for UNIX, page 3-7

## Before You Begin

Before you can provision the NE, the following conditions must be met:

- Your EMS administrator must provide a node ID to be assigned to the NE. The node ID must be unique to each NE.
- You must obtain a valid IP address to assign to the NE. Your EMS administrator must provide at least one IP address for each NE.



### Caution

Do not assign an IP address to the NE unless the IP address is specifically designated for this NE. Improper use and assignment of IP addresses can create severe problems, including network failure.



### Note

Cisco Systems recommends that a portable laptop (or other device that is not a permanent network element) be used to initially provision the NE. This will prevent potential communication errors. After initially provisioning the NE, EMS can be accessed from other (remote) workstations for subsequent provisioning.

## Configuring TCP/IP on the EMS Workstation

Before the EMS workstation can initially provision the NE, the IP address of the workstation must be provisioned for the same IP subnet as the NE. This is required to allow EMS to communicate with the NE. If you are unfamiliar with the TCP/IP configuration procedure for your workstation, contact your network administrator.

- The default IP address of the NE before you can provision the NE is **192.168.0.2**. To initially provision the NE, assign the EMS workstation an IP address of the format **192.168.0.N**, where N is a number between 4 and 254.
- If you have previously assigned an IP address to the NE, select an IP address for the EMS workstation that is on the same subnet as the NE. For example, if the NE has an IP address of **171.91.10.123**, the workstation must be assigned an IP address of **171.91.10.N**, where N is any number between 4 and 254, except 123.

## Connecting the NE to EMS Workstation

To connect the NE to your EMS workstation, use the appropriate option:

### To Connect a Cisco 6732

- Step 1** If your Cisco 6732 NE does *not* have an alarm maintenance and management card (AMM) installed in the chassis, use a crossover Ethernet cable with RJ-45 connectors to connect the workstation Ethernet port to the Ethernet port on the Cisco 6732 active main control card (MCC).

or

If your Cisco 6732 NE *has* an alarm maintenance and management card (AMM) installed in the chassis, connect the crossover Ethernet cable with RJ-45 connectors to the 10BASET port of the AMM card, not the MCC.

- Step 2** Connect an Ethernet hub to the workstation Ethernet port, and to the Ethernet port on the Cisco 6732 active MCC or AMM, using straight Ethernet cables with RJ-45 connectors.
- Step 3** Connect the workstation serial port to the RS-232 port on the Cisco 6732 AMM card using an EIA/TIA-232 (the older but more widely recognized term “RS-232” is used in this chapter) cable with DB-9 connectors.



---

**Note** You must use Dial-up Networking to connect the EMS workstation to the Cisco 6732 RS-232 port. See the *RS-232 Connection* technical note for configuration procedures.

---

For more information, refer to the *Cisco 6732 Full Access Device Hardware Installation Guide*.

### To Connect a Cisco 6705

- Connect the workstation Ethernet port to the Ethernet port on the Cisco 6705 main control card (MCC), using a crossover Ethernet cable with RJ-45 connectors.
- Connect an Ethernet hub to the workstation Ethernet port, and to the Ethernet port on the Cisco 6705 MCC, using straight Ethernet cables with RJ-45 connectors.

For more information, refer to the *Cisco 6705 Integrated Access Device Hardware Installation Guide*.

## To Connect a Cisco IAD1101

- 
- Step 1 Connect the workstation Ethernet port to the Ethernet port on the Cisco IAD1101, using a crossover Ethernet cable with RJ-45 connectors.
  - Step 2 Connect an Ethernet hub to the workstation Ethernet port, and to the Ethernet port on the Cisco IAD1101, using straight Ethernet cables with RJ-45 connectors.
  - Step 3 Connect the DB-9 adapter to the workstation serial port, and connect the RJ-45 connector to the console port on the Cisco IAD1101, using a crossover Ethernet cable with an RJ-45 connector on one end and a DB-9 adapter on the other end.



---

**Note** You must use Dial-up Networking to connect the EMS workstation to the Cisco IAD1101 console port. See the *RS-232 Connection* technical note for configuration procedures.

---

For more information, refer to the *Cisco IAD1101 Hardware Installation Guide*.

## Entering a Username and Password

EMS requires a valid username and password to successfully log in. If you are launching EMS for the first time, use the default username and password to log in:

- Username: **emsadmin**
- Password: **emsadmin**

Cisco systems recommends that you change the EMS username and password after logging in to EMS. For details on this procedure, see the “Changing a Password” section on page 14-28.

# How To Launch EMS

## Launching EMS for Windows NT

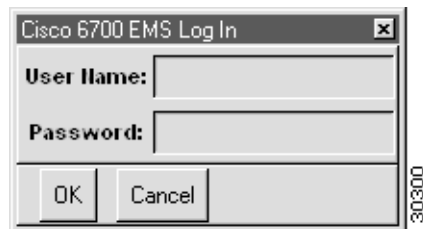
- Step 1** From your workstation desktop view, double-click the Cisco 6700 series **EMS Alarm Server** icon to launch the alarm server. The hourglass (system-busy icon) cursor appears briefly (indicating that the server is being launched).



**Note** The EMS alarm server application does not appear in the Windows taskbar or system tray when launched.

- Step 2** Double-click the Cisco 6700 series **Netconfig Server** icon to launch the network configuration server. The hourglass (system-busy icon) cursor appears briefly (indicating that the server is being launched).
- Step 3** Double-click the Cisco 6700 series **EMS NetView icon**. EMS presents the login window. (See Figure 3-1.)

*Figure 3-1 EMS Login window*

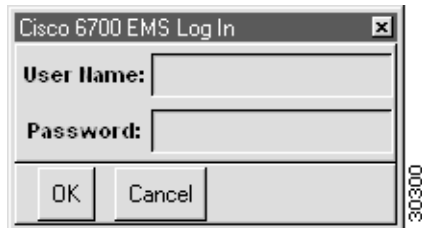


- Step 4** Enter your username and password, and click **OK**.

## Launching Windows 95

- Step 1** Starting from your workstation desktop view, double-click the **EMS Lite NetView** icon. EMS presents the login window. (See Figure 3-2.)

*Figure 3-2 EMS Login Window*



- Step 2** Enter your username and password, and click **OK**.



**Note** EMS Lite for Windows 95 does not offer an alarm server or a network configuration server.

## Launching EMS for UNIX

To start the alarm server, network configuration server, and EMS NetView, you can use the following scripts:

- **startAlarmServer**—starts the alarm server so alarms can be reported back to the server. This script should only be launched once, on the alarm server workstation.



---

**Note** The display environment must be set when the alarm server is running, or the environment variable must point to some other display that is up. If this is not done, logging out of EMS will close the display environment and shut down the alarm server.

---



---

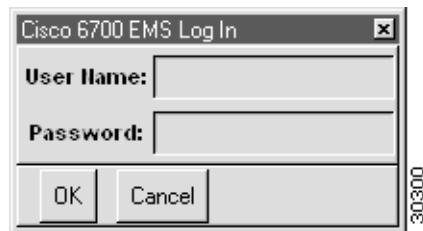
**Note** The alarm server uses ports 162 and 2,321 as trap daemons. These ports must not be in use when starting the alarm server.

---

- **startNwkConfServ**—Starts the network configuration server. This script should only be launched once, on the network configuration server workstation.
- **startEMS**—Starts the Cisco 6700 NetView application. This script must be launched by each individual NetView user.

After launching the **startEMS** script, EMS presents the login window. (See Figure 3-3.)

**Figure 3-3** EMS Login Window



Enter your username and password, and click **OK**.

