

First-Time Startup

This chapter takes you through first-time startup. Use the information you entered on the Global and Interface Configuration Worksheets as you interact with the **setup** command facility's System Configuration Dialog. If you have not completed the worksheets, you should read the "Preparing for First-Time Startup" chapter before starting up.

This chapter includes sample worksheets that are filled in to show you how this information is used when the **setup** command facility runs through the System Configuration Dialog.

Note Some configuration parameters discussed in this publication (and shown on the configuration worksheets) apply only to server products that have the protocol translation option. If your server product does not have protocol translation, the interactive **setup** command facility does not prompt you for these parameters.

Overview of the First-Time Startup Process

The first time you start up the system, the **setup** command facility operates automatically. An interactive dialog called the System Configuration Dialog appears on the system console screen. The dialog navigates you through the configuration process by prompting you for the information you have recorded on the configuration worksheets. Default and help information available within the dialog is described later in this section.

The **setup** command facility prompts you for configuration information for each installed interface. When you finish configuring one interface, the **setup** command facility prompts you for the next interface and continues until each interface is configured.

At first-time startup, you must complete the following tasks:

- Power up your server product.
- Verify software version and installed hardware and software options.
- Configure global parameters.
- Configure interface parameters.
- Store the configuration in nonvolatile memory.

Default Values Using the Setup Command Facility

For many prompts in the facility's System Configuration Dialog, default answers appear in square brackets following the question. To accept a default value, press the Return key. If the system was previously configured, the defaults that appear are the currently configured values. If you are configuring the system for the first time, the defaults that appear are factory defaults. If no factory default exists, as in the case of passwords, nothing appears after the question mark.

Help Text Using the Setup Command Facility

At any time during use of the **setup** command facility, you may request help by typing a question mark (?) at a given prompt. If the prompt requires a yes or no answer, no further help is available. If the prompt offers a range of acceptable answers, the help facility gives you some guidance. For example, if the **setup** command facility prompts you to select the number of bits in a subnet mask for your previously entered Class A IP address, the help facility prompts you to choose a decimal number between 0 and 22.

Additionally, if you enter invalid information at a prompt, the help facility automatically asks you for the correct information. For example, if you answer "okay" instead of "yes" at a prompt, the help facility guides you with the following information:

```
%Please answer 'yes' or 'no'.
```

As another example, if you answer a prompt with a value of 0 and the required value must be a decimal between 1 and 65535, then the help facility automatically prompts you with the following message:

```
%A decimal number between 1 and 65535
```

Powering Up Your System

Before powering up your system, check for correct AC power voltages.



Caution Check the voltage rating label at the back of the unit for correct voltage configuration. The factory configures the ASM-CS for either 110 VAC or 220 VAC operation, as requested when ordered. The 500-CS automatically configures the power supply for the applied input voltage and may be connected to any AC source from 100 to 240 VAC. Like the 500-CS, the Cisco 2500 has a variable power supply and may be connected to any AC source from 100 to 240 VAC.

Now you can safely power up your system. To power up your ASM-CS or Cisco 2500, flip on the On/Off switch on the back panel. To power up your 500-CS, simply plug in the power cord.

Verifying Installed Software and Hardware

When you first power up your console and server product, a script similar to the following appears on the screen. The first section of the script displays banner information, including the software version and the System Configuration Dialog. (A sample of the complete configuration script produced is included at the end of this chapter.)

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cisco Systems, Inc.
170 West Tasman Drive
San Jose, California 95134

Cisco Internetwork Operating System Software
IOS (tm) 3000 Software (IGS-BFPX), Version 10.3
Copyright (c) 1986-1994 by cisco Systems, Inc.
Compiled Fri 02-Dec-94 17:40 by chansen
Image text-base: 0x03000060, data-base: 0x00001000

The next portion of the script lists installed hardware and software options. The system displays appropriate interfaces for these options during the configuration process.

```
% System running from device (System flash) being initialized.  
  Setting System flash access to read-only.  
SNMP Research SNMP Agent Resident Module Version 12.2.0.0  
Copyright 1989, 1990, 1991, 1992, 1993, 1994 SNMP Research, Inc.  
cisco 2500 (68030) processor (revision A) with 1024K/1024K bytes of memory.  
Processor board serial number 01244571  
X.25 software, Version 2.0, NET2, BFE and GOSIP compliant.  
Bridging software.  
SuperLAT software (copyright 1990 by Meridian Technology Corp).  
Authorized for Enterprise software set. (0x0)  
1 Ethernet/IEEE 802.3 interface.  
2 Serial network interfaces.  
8 terminal lines.  
32K bytes of non-volatile configuration memory.  
4096K bytes of processor board System flash. (Read only mode)  
  
Notice: NVRAM invalid, possibly due to write erase.
```

Note The first two sections of the configuration script (the banner and the installed hardware) appear only at initial system startup. On subsequent uses of the **setup** command facility, the script begins with the System Configuration Dialog and asks whether you want to continue.

The System Configuration Dialog appears next, and prompts for configuration information. Press the Return key to accept the default settings, which appear in square brackets.

```
--- System Configuration Dialog ---
```

```
At any point you may enter a question mark '?' for help.  
Refer to the 'Getting Started' Guide for additional help.  
Use ctrl-c to abort configuration dialog at any prompt.  
Default settings are in square brackets '['].
```

```
Would you like to enter the initial configuration dialog? [yes]:
```

At this point, you can choose to exit the System Configuration Dialog by answering No at the prompt. To begin the initial configuration process, answer Yes. If you answer Yes, the System Configuration Dialog asks whether you want to view the current interface summary. Answer Yes to see the summary.

First, would you like to see the current interface summary? [yes]:

In the following example, the summary shows a server product at first-time startup. That is, nothing has been configured, and the summary reflects that fact.

Any interface listed with OK? value "NO" does not have a valid configuration

Interface	IP-Address	OK?	Method	Status	Protocol
Ethernet0	unassigned	NO	not set	up	down
Serial0	unassigned	NO	not set	down	down
Serial1	unassigned	NO	not set	down	down

The interface summary contains six columns. The Interface column lists the server product's installed interfaces. The IP-Address column lists the IP address for each interface or states that an IP address for an interface is currently unassigned. Because this example shows the summary at first-time startup (i.e., prior to configuration) no IP addresses have yet been assigned. The OK? column describes whether an interface has a valid configuration. Again, no configuration exists, so the OK? column contains NO for each interface. The Method column describes where an interface gets its configuration information—manually or from NVRAM. If you have not configured the interface with an IP address, the column shows “not set” for the interface. The Status column indicates whether an interface is up, down, or administratively down. Ethernet interfaces have a default status of up. Therefore, when you power up your server product, Ethernet interfaces are usually up. Serial interfaces are not up unless they receive the correct carrier detect signal on the line. The Protocol column lists the line protocol for an interface. A line protocol tells you whether the interface line missed the last three keepalives. If so, the column contains “down” for that interface.

Notice that the previous sample interface summary does not contain any information about the server product's asynchronous lines. At first-time startup, the interface summary does not list asynchronous lines because the lines have not yet been configured. Once you have configured the asynchronous lines, they will appear in the interface summary when you run the **setup** facility again. For example, the following **setup** interface summary shows 16 asynchronous lines that were previously configured:

Interface	IP-Address	OK?	Method	Status	Protocol
Ethernet0	unassigned	YES	not set	administratively down	down
Serial0	unassigned	YES	not set	administratively down	down
Serial1	unassigned	YES	not set	administratively down	down
Async1	171.69.228.10	YES	not set	down	down
Async2	171.69.228.10	YES	not set	down	down
Async3	171.69.228.10	YES	not set	down	down
Async4	171.69.228.10	YES	not set	down	down
Async5	171.69.228.10	YES	not set	down	down
Async6	171.69.228.10	YES	not set	up	up
Async7	171.69.228.10	YES	not set	up	up
Async8	171.69.228.10	YES	not set	down	down
Async9	171.69.228.10	YES	not set	down	down
Async10	171.69.228.10	YES	not set	down	down
Async11	171.69.228.10	YES	not set	down	down
Async12	171.69.228.10	YES	not set	down	down
Async13	171.69.228.10	YES	not set	down	down
Async14	171.69.228.10	YES	not set	down	down
Async15	171.69.228.10	YES	not set	down	down
Async16	171.69.228.10	YES	not set	down	down

After displaying the interface summary, the dialog begins to prompt you for global configuration parameters. You can press Ctrl-C to abort the process at any time. Ctrl-C returns you to the privileged EXEC prompt (cs#). You can then configure the server product from this mode. For information about configuring the server product, refer to the *Access and Communication Servers Configuration Guide*. For more information about configuring your Cisco 2500 as a router, refer to the *Router Products Configuration Guide*.

When a --More-- prompt appears during the dialog, press the space bar to continue.

Configuring Global and Interface Parameters

The System Configuration Dialog prompts you for global parameters, then interface parameters. Enter the values you recorded on the two configuration worksheets. To accept default settings that appear in square brackets, press the Return key.

Storing the Configuration in Nonvolatile Memory

When you answer the last prompt for installed interfaces on your server product, the **setup** command facility presents the configuration command script that was created. It also asks you whether you want to use this configuration. If you answer Yes, the configuration is saved to nonvolatile memory. If you answer No, the configuration is not saved and the process begins again. There is no default for this prompt; you must answer either Yes or No.

Once you have answered Yes to this last question, your system is now ready for use. To modify the configuration you have just established, refer to the “Where to Go from Here” chapter.

Note If there are any problems with the configuration file pointed to in nonvolatile memory, or if the ignore nonvolatile memory bit is set in the configuration register, the router enters the streamlined **setup** command facility. See “Using the Streamlined Setup Command Facility” in the “Where to Go from Here” chapter.

Sample Configuration

Figure 3-1 and Figure 3-2 show a sample completed Global Configuration Worksheet for a first-time startup configuration. Figure 3-3, Figure 3-4, and Figure 3-5 show sample completed Interface Configuration Worksheets for the same first-time startup configuration. Following the worksheets is the actual screen output for the **setup** command facility at first-time startup and the user responses from the completed worksheets.

In the sample System Configuration Dialog, when it appears that no response was made, the user pressed the Return key to accept the default.

Note In the following sample **setup** command facility session, the sample configuration command script contains comments such as `Turn off XNS to prevent network conflicts` or `Turn off Apollo to prevent network conflicts`. These comments do not instruct you to turn off the configurations you set during the System Configuration Dialog. Instead, these comments inform you that the **setup** command facility is turning off all previous XNS or Apollo networks before adding the new ones you specified via the dialog. Removing previous configurations avoids potential network conflicts and ensures configuration of these networks according to your specifications during the dialog.

Figure 3-1 Completed Global Configuration Worksheet, Part 1

System Type: ASM-CS 500-CS **Cisco 2500**
 Other: _____
 System Serial No.: 12345678 Number of Synchronous Interfaces: 3
 Number of Async Lines: 8

Global Parameters, Part 1

Host Name:	sandbox	
Enable Password:	shovel	
Virtual Terminal Password:	pail	
SNMP:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
DECnet:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
(Cisco 2500 Only)	Area No.: 1	
	Node No.: 10	
Area (Level 2) Routing:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
IP:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
	Routing Protocol (choose one):	
	IGRP <input checked="" type="radio"/> Yes	<input type="radio"/> No IGRP Autonomous System: 15
	RIP Yes	<input checked="" type="radio"/> No
IPX:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
XNS:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
(Cisco 2500 Only)	AppleTalk: <input checked="" type="radio"/> Yes <input type="radio"/> No	
	Multizone: <input checked="" type="radio"/> Yes <input type="radio"/> No	
Apollo:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
(Cisco 2500 Only)	Routing No.: 1	
CLNS:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
(Cisco 2500 Only)	Router Tag: area-1	
	Domain: 72.8885	
	Area: 0013	
	Station ID: 0000.0C07.B51A	
Banyan VINES:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
(Cisco 2500 Only)	Bridging: Yes <input checked="" type="radio"/> No	
(Cisco 2500 Only)	LAT: <input checked="" type="radio"/> Yes <input type="radio"/> No	

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Figure 3-2 Completed Global Configuration Worksheet, Part 2

Global Parameters, Part 2

Async Lines:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Async Line Speed:	9600	
Hardware Flow Control:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Modems:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Default Chat Script:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Dail-in SLIP/PPP:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Dynamic IP Address:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Default IP Addresses:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
TCP Header Compression:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Routing Updates:	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Async IPX?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
XRemote Font Server:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
	IP Address: <u>131.108.1.111</u>	
	IP Address: <u>131.108.1.112</u>	
	IP Address: <u>131.108.1.113</u>	
	IP Address: <u>131.108.1.114</u>	
AppleTalk Remote Access:	<input checked="" type="radio"/> Yes	<input type="radio"/> No
AppleTalk Network for IP Clients:	<u>5678</u>	
Zone Name for ARA Clients:	<u>shamu</u>	

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Figure 3-3 Completed Interface Configuration Worksheet

System Hardware Information:

Cisco
 System Type: 2500 System Serial No.: 12345678 Host Name: sandbox No. of Synchronous Interfaces: 3
 No. of Async. Lines: 8

Interface Parameters

Interface Name	Ethernet 0	Serial 0	Serial 1	Async 1
Interface In Use (Yes/No)	yes	yes	no	yes
Speed (Token Ring Only)				
IP: (Yes / No)	yes	yes	N/A	N/A
IP Unnumbered (Yes / No)	no	yes		
Interface Name		Ethernet 0		
IP Address	198.92.73.37	Assign to Ethernet 0		
Subnet Mask Bits	0			
DECnet (Yes / No)	yes	no	N/A	N/A
Cost: (Cisco 2500 Only)	10			
IPX (Yes / No)	yes	no	N/A	N/A
Network No.	10			
XNS (Yes / No)	yes	no	N/A	N/A
Network No.	10			
AppleTalk (Yes / No)	yes	no	N/A	N/A
Extended (Ethernet/Serial Only)	yes			
Starting Cable Range	0			
Ending Cable Range				
Network No. (Nonextended)				
Zone Name				
Zone Name				
Zone Name				
Apollo (Yes / No)	yes	no	N/A	N/A
Network No. (Cisco 2500 Only)	10			
CLNS (Yes / No) (Cisco 2500 Only)	yes	no	N/A	N/A
Banyan VINES (Yes / No) (Cisco 2500 Only)	yes	no	N/A	N/A
Bridging (Yes / No) (Cisco 2500 Only)	no	no	N/A	N/A
LAT (Yes / No)	yes	no	N/A	N/A
IPX Network No. (Async Lines Only)	N/A	N/A	N/A	3
Default IP Client Address: (Async Lines Only)	N/A	N/A	N/A	131.123.1.110

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Figure 3-4 Completed Interface Configuration Worksheet, Continued

Sample Configuration

System Hardware Information:

Cisco
System Type: 2500 **System Serial No.:** 12345678 **Host Name:** sandbox **No. of Synchronous Interfaces:** 3
No. of Async. Lines: 8

Interface Parameters

Interface Name	Async 2	Async 3	Async 4	Async 5
Interface In Use (Yes/No)	yes	yes	yes	yes
Speed (Token Ring Only)				
IP: (Yes / No)	N/A	N/A	N/A	N/A
IP Unnumbered (Yes / No)				
Interface Name				
IP Address				
Subnet Mask Bits				
DECnet (Yes / No)	N/A	N/A	N/A	N/A
Cost: (Cisco 2500 Only)				
IPX (Yes / No)	N/A	N/A	N/A	N/A
Network No.				
XNS (Yes / No)	N/A	N/A	N/A	N/A
Network No.				
AppleTalk (Yes / No)	N/A	N/A	N/A	N/A
Extended (Ethernet/Serial Only)				
Starting Cable Range				
Ending Cable Range				
Network No. (Nonextended)				
Zone Name				
Zone Name				
Zone Name				
Apollo (Yes / No)	N/A	N/A	N/A	N/A
Network No. (Cisco 2500 Only)				
CLNS (Yes / No) (Cisco 2500 Only)	N/A	N/A	N/A	N/A
Banyan VINES (Yes / No) (Cisco 2500 Only)	N/A	N/A	N/A	N/A
Bridging (Yes / No) (Cisco 2500 Only)	N/A	N/A	N/A	N/A
LAT (Yes / No)	N/A	N/A	N/A	N/A
IPX Network No. (Async Lines Only)	4	5	6	7
Default IP Client Address: (Async Lines Only)	131.123.1.111	131.123.1.112	131.123.1.113	131.123.1.114

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Figure 3-5 Completed Interface Configuration Worksheet, Continued

Sample Configuration

System Hardware Information:

Cisco
 System Type: 2500 System Serial No.: 12345678 Host Name: sandbox No. of Synchronous Interfaces: 3
 No. of Async. Lines: 8

Interface Parameters

Interface Name	Async 6	Async 7	Async 8	
Interface In Use (Yes/No)	yes	yes	yes	
Speed (Token Ring Only)				
IP: (Yes / No)	N/A	N/A	N/A	
IP Unnumbered (Yes / No)				
Interface Name				
IP Address				
Subnet Mask Bits				
DECnet (Yes / No)	N/A	N/A	N/A	
Cost: (Cisco 2500 Only)				
IPX (Yes / No)	N/A	N/A	N/A	
Network No.				
XNS (Yes / No)	N/A	N/A	N/A	
Network No.				
AppleTalk (Yes / No)	N/A	N/A	N/A	
Extended (Ethernet/Serial Only)				
Starting Cable Range				
Ending Cable Range				
Network No. (Nonextended)				
Zone Name				
Zone Name				
Zone Name				
Apollo (Yes / No)	N/A	N/A	N/A	
Network No. (Cisco 2500 Only)				
CLNS (Yes / No) (Cisco 2500 Only)	N/A	N/A	N/A	
Banyan VINES (Yes / No) (Cisco 2500 Only)	N/A	N/A	N/A	
Bridging (Yes / No) (Cisco 2500 Only)	N/A	N/A	N/A	
LAT (Yes / No)	N/A	N/A	N/A	
IPX Network No. (Async lines only)	8	9	A	
Default IP Client Address: (Async lines only)	131.123.1.115	131.123.1.116	131.123.1.117	

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--- System Configuration Dialog ---

At any point you may enter a question mark '?' for help.
 Refer to the 'Getting Started' Guide for additional help.
 Use ctrl-c to abort configuration dialog at any prompt.
 Default settings are in square brackets '['].

Would you like to enter the initial configuration dialog? [yes]:

First, would you like to see the current interface summary? [yes]:

Any interface listed with OK? value "NO" does not have a valid configuration

Interface	IP-Address	OK?	Method	Status	Protocol
Ethernet0	unassigned	NO	not set	up	down
Serial0	unassigned	NO	not set	down	down
Serial1	unassigned	NO	not set	down	down

Configuring global parameters:

```

Enter host name [Router]: sandbox
Enter enable password: shovel
Enter virtual terminal password: pail
Configure SNMP Network Management? [no]:
  Community string [public]:
Configure DECnet? [no]: yes
  Your area number [1]:
  Your node number [1]: 10
  Area (level 2) routing? [no]: yes
Configure IP? [yes]:
  Configure IGRP routing? [yes]:
    Your IGRP autonomous system number [1]: 15
Configure IPX? [no]: yes
Configure XNS? [no]: yes
Configure AppleTalk? [no]: yes
  Multizone networks? [no]: yes
Configure Apollo? [no]: yes
  Apollo routing number [1]:
Configure CLNS? [no]: yes
  CLNS router tag [area_1]:
  CLNS domain [49]: 72.8885
  CLNS area [0001]: 0013
  CLNS station id [0000.0C07.B51A]:
Configure Vines? [no]: yes
Configure bridging? [no]:
Configure LAT? [no]: yes
Configure Async lines? [yes]:
  Async line speed [9600]:
  Configure for HW flow control? [yes]:
  Configure for modems? [yes/no]: yes
    Configure for default chat script? [yes]:
  Configure for Dial-in IP SLIP/PPP access? [no]: yes
    Configure for Dynamic IP addresses? [yes]: yes
    Configure Default IP addresses? [no]: yes
    Configure for TCP Header Compression? [yes]:
    Configure for routing updates on async links? [no]:
  Configure for Async IPX? [yes]:
  Configure XRemote font servers? [no]: yes
    Enter a font server IP address or press RETURN to exit: 131.108.1.111
    Enter a font server IP address or press RETURN to exit: 131.108.1.112
    Enter a font server IP address or press RETURN to exit: 131.108.1.113
    Enter a font server IP address or press RETURN to exit: 131.108.1.114
    Enter a font server IP address or press RETURN to exit:

```

Sample Configuration

```
Configure for Appletalk Remote Access? [yes]:
  AppleTalk Network for ARA clients [1]: 5678
  Zone name for ARA clients [*]: shamu
```

Configuring interface parameters:

```
Configuring interface Ethernet0:
  Is this interface in use? [no]: yes
  Configure IP on this interface? [no]: yes
    IP address for this interface: 198.92.73.37
    Number of bits in subnet field [0]:
      Class C network is 198.92.73.0, 0 subnet bits; mask is 255.255.255.0
  Configure DECnet on this interface? [no]: yes
    DECnet cost [10]:
  Configure IPX on this interface? [no]: yes
    IPX network number [1]: 10
  Configure XNS on this interface? [no]: yes
    XNS network number [1]: 10
  Configure AppleTalk on this interface? [no]: yes
    Extended AppleTalk network? [no]: yes
    AppleTalk starting cable range [0]:
  Configure Apollo on this interface? [no]: yes
    Apollo network number [1]: 10
  Configure CLNS on this interface? [no]: yes
  Configure Vines on this interface? [no]: yes
  Configure LAT on this interface? [no]: yes
```

```
Configuring interface Serial0:
  Is this interface in use? [no]: yes
  Configure IP on this interface? [no]: yes
  Configure IP unnumbered on this interface? [no]: yes
  Interface name?: Ethernet0
  Configure DECnet on this interface? [no]:
  Configure IPX on this interface? [no]:
  Configure XNS on this interface? [no]:
  Configure AppleTalk on this interface? [no]:
  Configure Apollo on this interface? [no]:
  Configure CLNS on this interface? [no]:
  Configure Vines on this interface? [no]:
  Configure LAT on this interface? [no]:
```

```
Configuring interface Serial1:
  Is this interface in use? [yes]: no
```

```
Configuring interface Async1:
  IPX network number [3]:
  Default client IP address for this interface [none]: 131.123.1.110
Configuring interface Async2:
  IPX network number [4]:
  Default client IP address for this interface [131.123.1.111]:
Configuring interface Async3:
  IPX network number [5]:
  Default client IP address for this interface [131.123.1.112]:
Configuring interface Async4:
  IPX network number [6]:
  Default client IP address for this interface [131.123.1.113]:
Configuring interface Async5:
  IPX network number [7]:
  Default client IP address for this interface [131.123.1.114]:
```

```
Configuring interface Async6:
  IPX network number [8]:
  Default client IP address for this interface [131.123.1.115]:
Configuring interface Async7:
  IPX network number [9]:
  Default client IP address for this interface [131.123.1.115]:
Configuring interface Async8:
  IPX network number [A]:
  Default client IP address for this interface [131.123.1.117]:
```

The following configuration command script was created:

```
hostname sandbox
enable password shovel
line vty 0 4
password pail
snmp-server community public
!
decnet routing 1.10
decnet node-type area
ip routing
ipx routing
xns routing
appletalk routing
apollo routing 1
clns routing
router iso-igrp area_1
net 72.8885.0013.0000.0C07.b51A.00
vines routing
no bridge 1
chat-script cisco-default ABORT ERROR "" "AT Z" OK "ATDT \T" TIMEOUT 30 \c CONNECT \c
!
line 1 8
speed 9600
flowcontrol hardware
modem inout
modem chat-script cisco-default
!
arap network 5678 sandbox
line 1 8
arap enable
autoselect
!
! Turn off IPX to prevent network conflicts.
interface Ethernet0
no ipx network
interface Serial0
no ipx network
interface Serial1
no ipx network
!
! Turn off XNS to prevent network conflicts.
interface Ethernet0
no xns network
interface Serial0
no xns network
interface Serial1
no xns network
!
! Turn off Apollo to prevent network conflicts.
interface Ethernet0
no apollo network
interface Serial0
no apollo network
```

```
interface Serial1
no apollo network
!
interface Ethernet0
ip address 198.92.73.37 255.255.255.0
decnet cost 10
ipx network 10
xns network 10
appletalk cable-range 0-0 0.0
appletalk discovery
Apollo network 10
vines metric
mop enabled
!
interface Serial0
no ip address
ip unnumbered
interface name Ethernet0
no vines metric
no mop enabled
!
interface Serial1
shutdown
no ip address
!
Interface Async1
ipx network 3
ip unnumbered Ethernet0
async default ip address 131.123.1.110
ip tcp header-compression passive
async mode interactive
async dynamic address
!
Interface Async2
ipx network 4
ip unnumbered Ethernet0
async default ip address 131.123.1.111
ip tcp header-compression passive
async mode interactive
async dynamic address
!
Interface Async3
ipx network 5
ip unnumbered Ethernet0
async default ip address 131.123.1.112
ip tcp header-compression passive
async mode interactive
async dynamic address
!
Interface Async4
ipx network 6
ip unnumbered Ethernet0
async default ip address 131.123.1.113
ip tcp header-compression passive
async mode interactive
async dynamic address
!
Interface Async5
ipx network 7
ip unnumbered Ethernet0
async default ip address 131.123.1.114
ip tcp header-compression passive
async mode interactive
async dynamic address
```



```
!  
Interface Async6  
ipx network 8  
ip unnumbered Ethernet0  
async default ip address 131.123.1.115  
ip tcp header-compression passive  
async mode interactive  
async dynamic address  
!  
Interface Async7  
ipx network 9  
ip unnumbered Ethernet0  
async default ip address 131.123.1.116  
ip tcp header-compression passive  
async mode interactive  
async dynamic address  
!  
Interface Async8  
ipx network A  
ip unnumbered Ethernet0  
async default ip address 131.123.1.117  
ip tcp header-compression passive  
async mode interactive  
async dynamic address  
!
```

```
router igrp 15  
network 198.92.73.0  
network 1.0.0.0  
!  
end
```

Use this configuration? [yes/no]:

Press RETURN to get started!

[OK]

Use the enabled mode 'configure' command to modify this configuration.

First-time startup is complete. Your server product is now ready to use. To modify the configuration you have just established during first-time startup, use the **setup** command facility described in the “Where to Go from Here” chapter. To perform more complex configurations, use the **configure** command described in the *Access and Communication Servers Configuration Guide* and the *Access and Communication Servers Command Reference* publication. To make telecommuting or terminal service connections, refer to the *Cisco Access Connection Guide*.

