Using the Setup Script

Note The information herein applies to the Cisco AS5350, Cisco AS5400, and Cisco AS5400HPX universal gateways. Note that the latter requires use of Cisco IOS release 12.2(2)XB or later.

This appendix describes how to power ON the Cisco AS5350 and Cisco AS5400 universal gateways and configure them using the prompt-driven setup script (also called the System Configuration dialog).

If you prefer to configure the gateway manually, go to the "Exploring Cisco IOS Software" section on page 1-6 to familiarize yourself with the command-line interface (CLI) and then go to Chapter 3, "Basic Configuration Using the Command-Line Interface" for step-by-step instructions.

The setup script in this appendix is a typical example using a version of Cisco IOS software that may not exactly match your newly loaded software; however, message prompts are similar.

Getting Started

Before you power on the gateway and begin to use the setup script in the System Configuration dialog, make sure you have already connected the cables to the gateway and configured your PC terminal emulation program for 9600 baud, 8 data bits, no parity, and 2 stop bits. Connect to the gateway through the console port; the AUX port is not active. All configuration must be performed from your PC terminal emulation program window.

The prompts and resulting messages vary depending on your responses. For most configurations, you can press **Enter** to accept the default entries displayed in square ([]) brackets.

This section provides the setup scripts for the following hardware configurations:

- Cisco AS5350 or Cisco AS5400 with AS54-DFC-CT3 and AS54-DFC-108NP, page A-2
- Cisco AS5350 or Cisco AS5400 with AS54-DFC-8CT1 and AS54-DFC-108NP, page A-7
- Cisco AS5350 or Cisco AS5400 with AS54-DFC-8CE1 and AS54-DFC-108NP, page A-11

Note Information that you enter is in `boldface` font. Also note that if you make a mistake during the configuration, exit and run the System Configuration dialog again by pressing **Ctrl-c**, and then type **setup** at the privileged EXEC, also called enable, mode prompt (`AS5350#` or `AS5400#`).

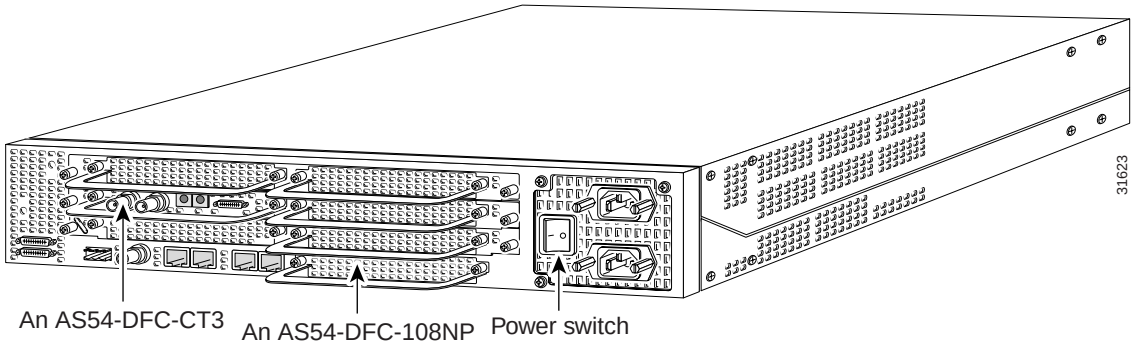
Cisco AS5350 or Cisco AS5400 with AS54-DFC-CT3 and AS54-DFC-108NP

To use the setup script on the gateway configuring an AS54-DFC-CT3 trunk card and five AS54-DFC-108NP universal port cards, take the following steps.

Step 1 Power ON the gateway. The power switch is on the rear panel, at the upper right corner near the power cord, as shown in Figure A-1.

Messages begin to appear in your terminal emulation program window.

Figure A-1 Power Switch Location



Caution *Do not press any keys on the keyboard until the messages stop*. Any keys pressed during this time are interpreted as the first command typed when the messages stop, which might cause you to power cycle the gateway and start over. It takes a few minutes for the messages to stop.

The messages look similar to the following display:

Note The displayed messages depend on the Cisco IOS software release and feature set you selected. The screen displays in this section are for reference only and might not exactly reflect the messages on your console.

```
System Bootstrap, Version 12.0(20000223:202419) RELEASE SOFTWARE
Copyright (c) 1994-2000 by cisco Systems, Inc.
AS5400 platform with 65536 Kbytes of main memory

rommon 1>b flash:

Self decompressing the image :########################## [OK]

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Rights clause at FAR sec. 52.227-19 and subparagraph
(c) (1) (ii) of the Rights in Technical Data and Computer
Software clause at DFARS sec. 252.227-7013.
```

```
            cisco Systems, Inc.
            170 West Tasman Drive
            San Jose, California 95134-1706



Cisco Internetwork Operating System Software
IOS (tm) 5350 Software (C5350-JS-M), Version 12.1(0.2.0)
Copyright (c) 1986-2000 by cisco Systems, Inc.
Compiled Wed 23-Feb-00 22:35 by beliu
Image text-base:0x60008908, data-base:0x61200000

cisco AS5400 (R7K) processor (revision L) with 65536K/131072K bytes of
memory.
Processor board ID JAB034608LW
R7000 CPU at 250Mhz, Implementation 39, Rev 1.0, 256KB L2, 2048KB L3
Cache
Last reset from unexpected value
Bridging software.
X.25 software, Version 3.0.0.
SuperLAT software (copyright 1990 by Meridian Technology Corp).
TN3270 Emulation software.
Manufacture Cookie Info:
 EEPROM Type 0x0001, EEPROM Version 0x01, Board ID 0x31,
 Board Hardware Version 3.22, Item Number 800-5171-01,
 Board Revision 017, Serial Number JAB034608LW,
 PLD/ISP Version 0.0, Manufacture Date 4-Jan-2000.
Processor 0xFF, MAC Address 0x03096F808E
Backplane HW Revision 17.43
2 FastEthernet/IEEE 802.3 interface(s)
2 Serial network interface(s)
108 terminal line(s)
512K bytes of non-volatile configuration memory.
32768K bytes of processor board System flash (Read/Write)
8192K bytes of processor board Boot flash (Read/Write)

Press RETURN to get started!
```

Step 2 When the following message appears, enter **yes** to continue:

```
Would you like to enter the initial configuration dialog? [yes/no]: yes

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

Step 3 When the following message appears, enter **no** to configure all interfaces. Note that, if you enter **yes**, your system will not be configured correctly:

```
Basic management setup configures only enough connectivity
for management of the system, extended setup will ask you
to configure each interface on the system

Would you like to enter basic management setup? [yes/no]: no
```

Step 4 When the following message appears, enter **yes** to see the current interface summary:

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

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

```
Interface                  IP-Address      OK? Method Status                Protocol
FastEthernet0/0            unassigned      NO  unset  up                    up
FastEthernet0/1            unassigned      NO  unset  up                    down
Serial0/0                  unassigned      NO  unset  down                  down
Serial0/1                  unassigned      NO  unset  down                  down    .
.
.
```

Step 5 Enter a host name for the gateway.

```
Enter host name [Router]: AS5400
```

Step 6 Enter an enable secret password. This password is encrypted (more secure) and cannot be seen when viewing the configuration.

```
Enter enable secret: lab
```

Step 7 Enter an enable password. This password is *not* encrypted (less secure) and can be seen when viewing the configuration.

```
Enter enable password: guessme
```

Step 8 Enter the virtual terminal password, which is used for remote console access.

```
Enter virtual terminal password: guessagain
```

Step 9 Respond to the following prompts as appropriate for your network:

```
Configure SNMP Network Management? [no]: yes
  Community string [public]:
Configure IP? [no]:
  Configure IGRP routing? [yes]:
    Your IGRP autonomous system number [1]: 15
  Configure bridging? [no]:
```

Note If you answer **no** to IGRP, you are prompted to configure RIP.

Step 10 Enter the letter corresponding to the ISDN switch type that matches your telco switch type or press **Enter** to accept the default.

```
Do you want to configure ISDN switch type? [yes]:
  The following ISDN switch types are available:
   [a] primary-4ess
   [b] primary-5ess
   [c] primary-dms100
   [d] primary-net5
   [e] primary-ntt
   [f] primary-ts014
  Enter the switch type [b]:
```

Step 11 Enter **yes** to create T1 controllers, then enter the number of T1 controllers you want to create or press **Enter** to create all the controllers.

```
Do you want to create t1 controllers? [yes]: yes
 Enter # of t1 controllers, you want to create under t3 controller [28]:

Configuring controller T3 3/0:
Next, you will be prompted to configure controllers.
These controllers enable users to dial in via ISDN or analog modems.
```

Step 12 Enter **yes** to allow users to dial in via ISDN or analog modems.

```
Do you intend to allow users to dial in? [yes]: yes
```

```
There are 10 controllers on this access server. If you want to use
the full capacity of the access server configure all controllers.

Controller CT3 0,1...etc  in software corresponds to Port 0,1...etc
on the back of the access server.

PRI configuration can be configured to controllers all at once
based on your PRI controllers selection. Whereas CAS configuration
will be configured individually for each controller.
```

Step 13 Enter the number of controllers you will be using for the PRI configuration or press **Enter** to configure all controllers.

```
Enter # of controllers, you will be using for PRI configuration [28]:

Configuring controller parameters:
```

Step 14 Press **Enter** for every slot, port, and channel.

```
Configuring controller t1 3/0:1
 Configuring PRI on this controller.
.
.
.
.
Configuring controller t1 3/0:28
```

Step 15 Enter **yes** to use robbed bit signaling on the controller.

```
  Will you be using CT1 (robbed-bit signaling) on this controller? [yes]: yes
```

Step 16 Enter your telco framing type.

```
The following framing types are available: esf | sf
  Enter the framing type [esf]:
```

Step 17 Enter your telco line code type.

```
The following linecode types are available: ami | b8zs
  Enter the line code type [b8zs]:
```

Step 18 Enter the letter corresponding to the signaling type to support modem pooling over the T1 lines or press **Enter** to accept the default.

```
The following line signaling types are available
    [a] e&m-fgb
    [b] e&m-fgd
    [c] e&m-immediate-start
    [d] fgd-eana
    [e] fgd-os
    [f] fxs-ground-start
    [g] fxs-loop-start
    [h] none
    [i] r1-itu
    [j] r1-modified
    [k] r1-turkey
    [l] sas-ground-start
    [m] sas-loop-start
```

Step 19 Enter the tone signaling type.

```
The following tone signaling types are available:
                dtmf | mf
  Enter the tone signal type [dtmf]:
```

Step 20 Enter **yes** to configure digital number identification service (DNIS).

```
Do you want to provision DNIS address information? [yes]: yes
```

Step 21 Repeat Step 15 to Step 20 to configure the remaining controllers.

Step 22 Enter **yes** to configure the FastEthernet0/0 interface to connect the gateway to a LAN, then respond to the remaining questions to configure the FastEthernet port.

```
Do you want to configure FastEthernet0/0  interface? [yes]: yes
  Use the 100 Base-TX (RJ-45) connector? [yes]:
```

Note Full duplex mode enables simultaneous data transfer between a sending and a receiving station.

```
Operate in full-duplex mode? [no]:
Operate at 100 Mbps speed? [yes]:
Configure IP on this interface? [yes]:
  IP address for this interface [X.X.X.X]: 172.22.50.10
  Subnet mask for this interface [255.255.0.0] :
  Class B network is 172.22.0.0, 16 subnet bits; mask is /16
```

Step 23 Repeat Step 22 to configure any other FastEthernet ports, if necessary.

Step 24 Configure your serial interfaces by responding to the following prompts:

```
Do you want to configure Serial0/0  interface? [no]: yes
Configure IP on this interface? [no]: yes
Configure IP unnumbered on this interface? [no]:
    Assign to which interface [FastEthernet0/0]:
```

Step 25 Repeat Step 24 to configure any other serial interfaces, if necessary.

After you complete the configuration script, the setup script displays the configuration command script.

Step 26 Go to the "Save the Configuration File" section on page A-15.

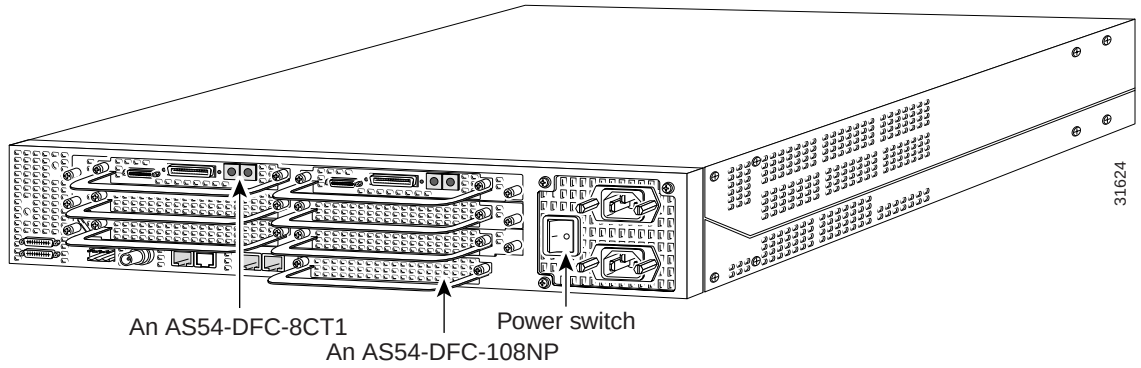
Cisco AS5350 or Cisco AS5400 with AS54-DFC-8CT1 and AS54-DFC-108NP

To use the setup script on the gateway configuring two AS54-DFC-8CT1 trunk cards and five AS54-DFC-108NP universal port cards, take the following steps.

Step 1 Power ON the gateway. The power switch is on the rear panel, at the upper right corner near the power cord, as shown in Figure A-2.

Messages begin to appear in your terminal emulation program window.

Figure A-2 Power Switch Location



Caution *Do not press any keys on the keyboard until the messages stop*. Any keys pressed during this time are interpreted as the first command typed when the messages stop, which might cause you to power cycle the gateway and start over. It takes a few minutes for the messages to stop.

The messages look similar to the following display:

Note The displayed messages depend on the Cisco IOS software release and feature set you selected. The screen displays in this section are for reference only and might not exactly reflect the messages on your console.

```
System Bootstrap, Version 12.0(20000223:202419) RELEASE SOFTWARE
Copyright (c) 1994-2000 by cisco Systems, Inc.
AS5400 platform with 65536 Kbytes of main memory

rommon 1>b flash:

Self decompressing the image :######################### [OK]

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```

```
            cisco Systems, Inc.
            170 West Tasman Drive
            San Jose, California 95134-1706

Cisco Internetwork Operating System Software
IOS (tm) 5350 Software (C5350-JS-M), Version 12.1(0.2.0)
Copyright (c) 1986-2000 by cisco Systems, Inc.
Compiled Wed 23-Feb-00 22:35 by beliu
Image text-base:0x60008908, data-base:0x61200000

cisco AS5400 (R7K) processor (revision L) with 65536K/131072K bytes of
memory.
Processor board ID JAB034608LW
R7000 CPU at 250Mhz, Implementation 39, Rev 1.0, 256KB L2, 2048KB L3
Cache
Last reset from unexpected value
Bridging software.
X.25 software, Version 3.0.0.
SuperLAT software (copyright 1990 by Meridian Technology Corp).
TN3270 Emulation software.
Manufacture Cookie Info:
 EEPROM Type 0x0001, EEPROM Version 0x01, Board ID 0x31,
 Board Hardware Version 3.22, Item Number 800-5171-01,
 Board Revision 017, Serial Number JAB034608LW,
 PLD/ISP Version 0.0, Manufacture Date 4-Jan-2000.
Processor 0xFF, MAC Address 0x03096F808E
Backplane HW Revision 17.43
2 FastEthernet/IEEE 802.3 interface(s)
2 Serial network interface(s)
108 terminal line(s)
512K bytes of non-volatile configuration memory.
32768K bytes of processor board System flash (Read/Write)
8192K bytes of processor board Boot flash (Read/Write)

Press RETURN to get started!
```

Step 2 When the following message appears, enter **yes** to continue:

```
Would you like to enter the initial configuration dialog? [yes/no]: yes

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

Step 3 When the following message appears, enter **no** to configure all interfaces. Note that, if you enter **yes**, your system will not be configured correctly.

```
Basic management setup configures only enough connectivity
for management of the system, extended setup will ask you
to configure each interface on the system

Would you like to enter basic management setup? [yes/no]: no
```

Step 4 When the following message appears, enter **no** to bypass the current interface summary:

```
First, would you like to see the current interface summary? [yes]: no
```

Step 5 Enter a host name for the gateway.

```
Configuring global parameters:

  Enter host name [Router]: AS5400

  The enable secret is a password used to protect access to
  privileged EXEC and configuration modes. This password, after
  entered, becomes encrypted in the configuration.
```

Step 6 Enter an enable secret password. This password is encrypted (more secure) and cannot be seen when viewing the configuration.

```
  Enter enable secret: lab

  The enable password is used when you do not specify an
  enable secret password, with some older software versions, and
  some boot images.
```

Step 7 Enter an enable password. This password is *not* encrypted (less secure) and can be seen when viewing the configuration.

```
  Enter enable password: guessme

  The virtual terminal password is used to protect
  access to the router over a network interface.
```

Step 8 Enter the virtual terminal password, which is used for remote console access.

```
  Enter virtual terminal password: guessagain
```

Step 9 Respond to the following prompts as appropriate for your network:

```
Configure SNMP Network Management? [no]: yes
  Community string [public]:
Configure IP? [no]:
  Configure IGRP routing? [yes]:
    Your IGRP autonomous system number [1]: 15
  Configure bridging? [no]:
```

Note If you answer **no** to IGRP, you are prompted to configure RIP.

Step 10 Enter the letter corresponding to the ISDN switch type that matches your telco switch type or press **Enter** to accept the default.

```
Do you want to configure ISDN switch type? [yes]:
  The following ISDN switch types are available:
   [a] primary-4ess
   [b] primary-5ess
   [c] primary-dms100
   [d] primary-net5
   [e] primary-ntt
   [f] primary-ts014
  Enter the switch type [b]:
```

Step 11 Enter **yes** to allow users to dial in via ISDN or analog modems.

```
Do you intend to allow users to dial in? [yes]: yes

There are 16 controllers on this access server. If you want to use
the full capacity of the access server configure all controllers.

Controller CT1 0,1,...etc  in software corresponds to Port 0,1,..etc
on the back of the access server.

PRI configuration can be configured to controllers all at once
based on your PRI controllers selection. Where as CAS configuration
will be configured individually for each controller.
```

Step 12 Enter the number of controllers you will be using for the PRI configuration or press **Enter** to configure all controllers.

```
Enter # of controllers, you will be using for PRI configuration [16]:

Configuring controller parameters:
```

Step 13 Press **Enter** for every slot, port, and channel.

```
Configuring controller T1 1/0:
 Configuring PRI on this controller.


Configuring controller T1 1/1:
 Configuring PRI on this controller.


Configuring controller T1 1/2:
 Configuring PRI on this controller.


Configuring controller T1 1/3:
 Configuring PRI on this controller.
.
.
.
.
Configuring controller T1 2/6:
 Configuring PRI on this controller.


Configuring controller T1 2/7:
 Configuring PRI on this controller.

Configuring interface parameters:
```

Step 14 Enter **yes** to configure the FastEthernet0/0 interface to connect the gateway to a LAN, then respond to the remaining questions to configure the FastEthernet port.

```
Do you want to configure FastEthernet0/0  interface? [yes]: yes

  Use the 100 Base-TX (RJ-45) connector? [yes]:
```

Note Full duplex mode enables simultaneous data transfer between a sending and a receiving station.

```
Operate in full-duplex mode? [no]:
Operate at 100 Mbps speed? [yes]:
Configure IP on this interface? [yes]:
  IP address for this interface [X.X.X.X]: 172.22.50.10
  Subnet mask for this interface [255.255.0.0] :
  Class B network is 172.22.0.0, 16 subnet bits; mask is /16
```

Step 15 Repeat Step 14 to configure any other FastEthernet ports, if necessary.

Step 16 Configure your serial interfaces by responding to the following prompts:

```
Do you want to configure Serial0/0  interface? [no]: yes
Configure IP on this interface? [no]: yes
Configure IP unnumbered on this interface? [no]:
    Assign to which interface [FastEthernet0/0]:
```

Step 17 Repeat Step 16 to configure any other serial interfaces, if necessary.

After you complete the configuration script, the setup script displays the configuration command script.

Step 18 Go to "Save the Configuration File" section on page A-15.

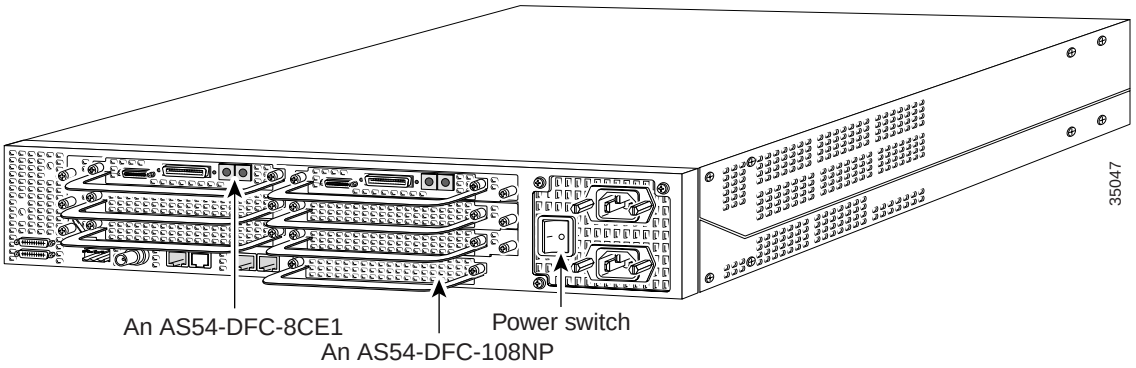
Cisco AS5350 or Cisco AS5400 with AS54-DFC-8CE1 and AS54-DFC-108NP

To use the setup script on the gateway configuring two AS54-DFC-8CE1 trunk cards and five AS54-DFC-108NP universal port cards, take the following steps.

Step 1 Power ON the gateway. The power switch is on the rear panel, at the upper right corner near the power cord, as shown in Figure A-3.

Messages begin to appear in your terminal emulation program window.

Figure A-3 Power Switch Location



Caution *Do not press any keys on the keyboard until the messages stop*. Any keys pressed during this time are interpreted as the first command typed when the messages stop, which might cause you to power cycle the gateway and start over. It will take a few minutes for the messages to stop.

The messages look similar to the following display:

Note The displayed messages depend on the Cisco IOS software release and feature set you selected. The screen displays in this section are for reference only and probably will not exactly reflect the messages on your console.

```
System Bootstrap, Version 12.0(20000223:202419) RELEASE SOFTWARE
Copyright (c) 1994-2000 by cisco Systems, Inc.
AS5400 platform with 65536 Kbytes of main memory

rommon 1>b flash:

Self decompressing the image :########################## [OK]

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Software clause at DFARS sec. 252.227-7013.

           cisco Systems, Inc.
           170 West Tasman Drive
           San Jose, California 95134-1706


Cisco Internetwork Operating System Software
IOS (tm) 5350 Software (C5350-JS-M), Version 12.1(0.2.0)
Copyright (c) 1986-2000 by cisco Systems, Inc.
Compiled Wed 23-Feb-00 22:35 by beliu
Image text-base:0x60008908, data-base:0x61200000

cisco AS5400 (R7K) processor (revision L) with 65536K/131072K bytes of
memory.
Processor board ID JAB034608LW
R7000 CPU at 250Mhz, Implementation 39, Rev 1.0, 256KB L2, 2048KB L3
Cache
Last reset from unexpected value
Bridging software.
X.25 software, Version 3.0.0.
SuperLAT software (copyright 1990 by Meridian Technology Corp).
TN3270 Emulation software.
Manufacture Cookie Info:
 EEPROM Type 0x0001, EEPROM Version 0x01, Board ID 0x31,
 Board Hardware Version 3.22, Item Number 800-5171-01,
 Board Revision 017, Serial Number JAB034608LW,
 PLD/ISP Version 0.0, Manufacture Date 4-Jan-2000.
Processor 0xFF, MAC Address 0x03096F808E
Backplane HW Revision 17.43
2 FastEthernet/IEEE 802.3 interface(s)
2 Serial network interface(s)
108 terminal line(s)
512K bytes of non-volatile configuration memory.
32768K bytes of processor board System flash (Read/Write)
8192K bytes of processor board Boot flash (Read/Write)

Press RETURN to get started!
```

Step 2 When the following message appears, enter **yes** to continue:

```
Would you like to enter the initial configuration dialog? [yes/no]: yes

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

Step 3 When the following message appears, enter **no** to configure all interfaces. Note that, if you enter **yes**, your system will not be configured correctly.

```
Basic management setup configures only enough connectivity
for management of the system, extended setup will ask you
to configure each interface on the system

Would you like to enter basic management setup? [yes/no]: no
```

Step 4 When the following message appears, press enter **yes** to see the current interface summary:

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

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

FastEthernet0/0            unassigned      NO  unset  up                    up
FastEthernet0/1            unassigned      NO  unset  up                    up
Group-Async0               unassigned      NO  unset  down                  down
Serial0/0                  unassigned      NO  unset  down                  down
Serial0/1                  unassigned      NO  unset  down                  down    .
```

Step 5 Enter a host name for the gateway.

```
Configuring global parameters:

Enter host name [Router]: AS5400

The enable secret is a password used to protect access to
privileged EXEC and configuration modes. This password, after
entered, becomes encrypted in the configuration.
```

Step 6 Enter an enable secret password. This password is encrypted (more secure) and cannot be seen when viewing the configuration.

```
Enter enable secret: lab

The enable password is used when you do not specify an
enable secret password, with some older software versions, and
some boot images.
```

Step 7 Enter an enable password. This password is *not* encrypted (less secure) and can be seen when viewing the configuration.

```
Enter enable password: guessme

The virtual terminal password is used to protect
access to the router over a network interface.
```

Step 8 Enter the virtual terminal password, which is used for remote console access.

```
Enter virtual terminal password: guessagain
```

Step 9 Respond to the following prompts as appropriate for your network:

```
Configure SNMP Network Management? [no]: yes
  Community string [public]:
Configure IP? [no]:
  Configure IGRP routing? [yes]:
    Your IGRP autonomous system number [1]: 15
  Configure bridging? [no]:
```

Note If you answer no to IGRP, you are prompted to configure RIP.

Step 10 Enter the letter corresponding to the ISDN switch type that matches your telco switch type or press **Enter** to accept the default.

```
Do you want to configure ISDN switch type? [yes]:
  The following ISDN switch types are available:
   [a] primary-4ess
   [b] primary-5ess
   [c] primary-dms100
   [d] primary-net5
   [e] primary-ntt
   [f] primary-ts014
  Enter the switch type [d]:
```

Step 11 Enter **yes** to allow users to dial in via ISDN or analog modems.

```
Do you intend to allow users to dial in? [yes]: yes

There are 16 controllers on this access server. If you want to use
the full capacity of the access server configure all controllers.

Controller E1 0,1,..etc  in software corresponds to Port 0,1,..etc
on the back of the access server.

PRI configuration can be configured to controllers all at once
based on your PRI controllers selection. Where as CAS configuration
will be configured individually for each controller.
```

Step 12 Enter the number of controllers you will be using for the PRI configuration or press **Enter** to configure all controllers.

```
Enter # of controllers, you will be using for PRI configuration [16]:

Configuring controller parameters:
```

Step 13 Press **Enter** for every slot, port, and channel.

```
Configuring controller E1 1/0:
 Configuring PRI on this controller.


Configuring controller E1 1/1:
 Configuring PRI on this controller.
.
.
.
.
Configuring controller E1 2/6:
 Configuring PRI on this controller.


Configuring controller E1 2/7:
 Configuring PRI on this controller.
```

Step 14 Enter **yes** to configure the FastEthernet0/0 interface to connect the gateway to a LAN, then respond to the remaining questions to configure the FastEthernet port (you can also press **Enter** to accept the default):

```
Do you want to configure FastEthernet0/0  interface? [yes]: yes
  Use the 100 Base-TX (RJ-45) connector? [yes]:
```

Note Full duplex mode enables simultaneous data transfer between a sending and a receiving station.

```
Operate in full-duplex mode? [no]:
Operate at 100 Mbps speed? [yes]:
Configure IP on this interface? [yes]:
  IP address for this interface [X.X.X.X]: 172.22.50.10
  Subnet mask for this interface [255.255.0.0] :
  Class B network is 172.22.0.0, 16 subnet bits; mask is /16
```

Step 15 Repeat Step 14 to configure any other FastEthernet ports, if necessary.

Step 16 Configure your serial interfaces by responding to the following prompts:

```
Do you want to configure Serial0/0  interface? [no]: yes
Configure IP on this interface? [no]: yes
Configure IP unnumbered on this interface? [no]:
    Assign to which interface [FastEthernet0/0]:
```

Step 17 Repeat Step 16 to configure any other serial interfaces, if necessary.

After you complete the configuration script, the setup script displays the configuration command script.

Step 18 Go to the next section "Save the Configuration File."

Save the Configuration File

Step 1 Enter 0, 1, or 2 when the following prompt is displayed:

```
[0] Go to the IOS command prompt without saving this config.
[1] Return back to the setup without saving this config.
[2] Save this configuration to nvram and exit.

Enter your selection [2]:

Use this configuration? [yes/no]: yes
Building configuration...
Use the enabled mode 'configure' command to modify this configuration.

Press RETURN to get started!

%LINK-3-UPDOWN: Interface Ethernet0, changed state to up
%LINK-3-UPDOWN: Interface Serial0, changed state to down
%LINK-3-UPDOWN: Interface Serial1, changed state to down

<Additional messages omitted.>
```

Step 2 When the messages stop displaying on your screen, press **Enter** to get the following prompt:

```
AS5400>
%AT-6-ONLYROUTER: Ethernet0: AppleTalk port enabled; no neighbors found
```

Note If you see this message, it means that no other routers were found on the network attached to the port.

Step 3 The `AS5350>` or `AS5400>` prompt indicates that you are now at the command-line interface (CLI) and you have just completed the basic gateway configuration. However, this is not a complete configuration. At this point you have two options:

- Run the setup script in the System Configuration dialog again and create another configuration. Enter the following commands to repeat the setup script:

```
AS5400> enable
Password: password
AS5400# setup
```

- Modify the existing configuration or configure additional features with the CLI as described in the *Dial Solutions Configuration Guide*, the *Dial Solutions Command Reference Guide*, the Cisco IOS software configuration guide, and command reference publications. See "Obtaining Documentation" on page xvi.

Where to Go Next

At this point you can go to:

- Chapter 2, "Verifying Basic Setup" for step-by-step instructions to configure the gateway manually.

You can also refer to the following documents for more advanced configuration topics:

- Cisco IOS software configuration guide
- Command-reference publications
- *Dial Solutions Configuration Guide*
- *Dial Solutions Command Reference*
- *Configuring Selected 12.1 Cisco IOS Software Features*, available online at http://www.cisco.com/univercd/cc/td/doc/product/access/acs_serv/as5400/index.htm

These publications are available on the Documentation CD-ROM that arrived with your gateway, or on the World Wide Web from the Cisco home page.