



CHAPTER 7

Checklists for Configuring the Gateway

The Cisco Unified Communications Manager Business Edition 3000 uses either Cisco 2901 Integrated Services Router (ISR2901) or Cisco Media Convergence Server 7890C1 (MCS7890-C1) to serve as your connection to the PSTN; that is, the gateway allows all of your users to place and receive calls that go through the PSTN.

For all calls that go through the PSTN, the Cisco Unified Communications Manager Business Edition 3000 system uses either a Cisco ISR2901 or an MCS7890-C1 that has two internal T1 or E1 ports.

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Installing the Gateway

To install the gateway, perform the following procedure:

Procedure

- Step 1** Connect the gateway console port to a terminal or PC using appropriate cables. This will help configure the gateway through Cisco IOS CLI.
- For information about installing the gateway, see *Cisco 2900 and 3900 Series Hardware Installation Guide* at http://www.cisco.com/en/US/docs/routers/access/2900/hardware/installation/guide/2900_3900_HIG.pdf.
- Step 2** Power on the gateway.
-

Configuring the Gateway for the First Time

Cisco MCS7890-C1 allows you to add an internal gateway during the First Time Setup. However, you can add external gateways to both MCS7816-15 and MCS7890-C1 using the Cisco Unified Communications Manager Business Edition 3000 Administrative Interface.



Note

You cannot add an internal gateway to the Cisco MCS7816-15.

After you complete the Cisco Unified Communications Manager Business Edition 3000 First Time Setup Wizard, you are ready to set up the Cisco gateway for PSTN connections.



Note

For more details, see *Cisco 3900 Series, 2900 Series, and 1900 Series Software Configuration Guide* located at http://www.cisco.com/en/US/partner/docs/routers/access/1900/software/configuration/guide/Software_Configuration.html.

To configure the gateway, perform the following procedure:

Procedure

Step 1

When you power on your Cisco gateway for the first time, the following information appears on your screen:

```
"Cisco Configuration Professional (Cisco CP) is installed on this
device. This feature requires the one-time use of the username cisco
with the password cisco. These default credentials have a privilege
level of 15.
```

```
YOU MUST USE CISCO CP or the CISCO IOS CLI TO CHANGE THESE
PUBLICLY-KNOWN CREDENTIALS
```

Here are the Cisco IOS commands.

```
username <myuser> privilege 15 secret 0 <mypassword> no username cisco
Replace <myuser> and <mypassword> with the username and password you
want to use.
```

```
IF YOU DO NOT CHANGE THE PUBLICLY-KNOWN CREDENTIALS, YOU WILL NOT BE
ABLE TO LOG INTO THE DEVICE AGAIN AFTER YOU HAVE LOGGED OFF."
```

At the User Access Verification screen, log in with default username **cisco** and password **cisco**:

Username: cisco

Password: cisco

Step 2

Enter the following commands at the prompt to change the console username and password.



Note

If you do not change the publicly known credentials, you will not be able to log in to the device again after you log out.

Router#**configure terminal**

Router(config)#**username <your console username> privilege 15 secret 0 <your console password>**

```
Router(config)#exit
```

```
Router#
```

- Step 3** Log in to Cisco Unified CM Business Edition 3000 Administrative Interface.

If this is your first login after running First Time Setup wizard, the Post Setup Tasks box appears. This dialog box displays the commands you use to configure your gateway.

You can browse to **Connections > Devices**. Click the **Generate CLI commands to configure the gateway** to issue the commands on the chosen gateway. The PSTN Gateway Configuration dialog box appears. This dialog box displays the commands you use to configure your gateway.

- Step 4** The first two commands, **erase startup-config** and **reload**, help erase any older gateway configuration. You need not run these commands when you configure gateway for the first time.

- Step 5** Copy and paste the rest of the commands in the dialog box onto the gateway prompt, line by line, to complete your gateway setup.

- Step 6** At the end of this configuration, Telnet access password for the gateway is set to **changeme**. To change this, type the following at the prompt:

```
Router# configure terminal
```

```
Router(config)# line vty 0 4
```

```
Router(config-line)# password <Your new Telnet password>
```

```
Router(config-line)# exit
```

```
Router(config)# exit
```

```
Router#
```

You can use this new password to telnet into your gateway and view the configuration changes.

- Step 7** When Ethernet access is enabled, your gateway is functional.

Editing the Gateway Configuration

You can edit the ISR2901 and MCS7890-C1 gateway through the Cisco Unified Communications Manager Business Edition 3000 Administrative Interface.

To edit the gateway configuration, perform the following procedure:

Procedure

- Step 1** Log in to the Cisco Unified Communications Manager Business Edition 3000 Administrative Interface.

- Step 2** In **Connections > Devices**, click the **Edit** link corresponding to the device you need to edit.

The Edit <devicename> window appears.

- Step 3** Update the gateway configuration.



Note You cannot edit the Cisco MCS7890-C1 internal gateway configuration. You can only change the description of the device.

- Step 4** Click **Save** to save your changes.

- Step 5** Click **Reset** to revert to the earlier configuration settings.

**Note**

For Device type ISR2901, you must configure the gateway with the appropriate CLI commands.

- Step 6** Click the **‘Generate CLI commands to configure the gateway’** link corresponding to the device type. You can copy and paste these commands directly onto the gateway console to edit your gateway configuration if it is in enable mode. You can also download the CLI commands to your desktop on your PC for later use.

For additional information on the CLI commands, refer to the gateway documentation that accompanies your gateway.

- Step 7** Establish a connection between the gateway console port and a terminal or PC using the appropriate cables. This will help configure the gateway through Cisco IOS command line interface (CLI).

- Step 8** As part of editing your gateway configuration, older configuration will be erased first. Copy and paste the command **'erase startup-config'** to the gateway console.

Type Return to confirm erasing configuration at prompt:

```
Erasing the nvram filesystem will remove all configuration files!
Continue? [confirm]
```

- Step 9** Copy and paste the command 'reload' to startup the gateway fresh.

If prompted to save current system configuration, Type 'Yes' at prompt:

```
System configuration has been modified. Save? [yes/no]: yes
```

Type Return to proceed with reload at prompt:

```
Proceed with reload? [confirm]
```

- Step 10** Wait for a few minutes while the gateway reloads. When the gateway comes back up, enter the following answer when the system message appears on the gateway.

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

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 '[]'.

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

- Step 11** If prompted to terminate auto install, press Return and continue with manual configuration:

```
Would you like to terminate autoinstall? [yes] Return
```

Several messages are displayed, ending with a line similar to the following:

```
...
```

```
Copyright (c) 1986-2004 by cisco Systems, Inc.
```

```
Compiled <date> <time> by <person>
```

- Step 12** Press Return to bring up the Router> prompt.

```
...
```

```
flashfs[4]: Initialization complete.
```

```
Router>
```

- Step 13** Type enable to enter privileged EXEC mode:

```
Router> enable
Router#
```

Step 14 Copy and paste rest of the commands onto the gateway prompt, line by line, to complete your gateway setup.

Step 15 At the end of this configuration, Telnet access password is set to **changeme**. To change this, type the following at the gateway prompt:

```
Router# configure terminal
Router(config)# line vty 0 4
Router(config-line)# password <Your new Telnet password>
Router(config-line)# exit
Router(config)# exit
Router#
```

You can use this password to telnet into your gateway and view the configuration changes.

Deleting the Gateway

To delete a gateway, perform the following procedure:



Warning

If you delete a gateway, the corresponding PSTN connections using the gateway will also be deleted.



Note

You cannot delete the Cisco MCS7890-C1 internal gateway. Only Cisco ISR2901 gateways can be deleted.

Procedure

- Step 1** Log in to the Cisco Unified Communications Manager Business Edition 3000 Administrative Interface.
- Step 2** In **Connections > Devices**, click the **Delete** link corresponding to the device which you need to delete. A confirmation window appears.
- Step 3** Click **Delete** to delete the gateway.

