



Adding the Cisco ATA to the Cisco CallManager

Once you have configured the Cisco ATA, converted the configuration file into a binary file and stored the file on the Cisco CallManager TFTP server, you must register the Cisco ATA with Cisco CallManager.

The Cisco CallManager administrator must decide which of the three registration methods is best based on the Cisco CallManager environment.

- [Adding Cisco ATAs Manually, page 4-2](#)—You can use this method if you have a limited number of Cisco ATAs to add to the Cisco CallManager.
- [Using the Cisco Bulk Administration Tool \(BAT\), page 4-3](#)—This is the most common method if you need to add many Cisco ATAs to the Cisco CallManager.
- [Using Auto-Registration, page 4-4](#)—This method is disabled by default. If this method is enabled, all devices connected to a specific Cisco CallManager are auto-registered. This process cannot be limited to only the Cisco ATAs that are connected to a specific Cisco CallManager.

For Cisco CallManager 3.2 or later, register the Cisco ATA as the **Cisco ATA 186** device type (regardless of whether the device is a Cisco ATA 186 or a Cisco ATA 188). If you are using a version of Cisco CallManager prior to Release 3.2, you must register the Cisco ATA as the **Cisco 7960** device type.



Note

The term *Cisco ATA* is used throughout this manual to refer to both the Cisco ATA 186 and the Cisco ATA 188, unless differences between the Cisco ATA 186 and Cisco ATA 188 are explicitly stated.

Adding Cisco ATAs Manually

Use the following procedure to add Cisco ATAs manually using the Cisco CallManager Administration application.



Tip

To get help using the Cisco CallManager application, access context-sensitive help by choosing **Help > For this page** from the main menu bar.

Procedure

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- Step 1** Log in to the Cisco CallManager Administration application.
- From the menu bar, select **System > Cisco CallManager**. The Cisco CallManager Configuration screen appears.
- Step 2** In the Cisco CallManager Configuration screen, perform the following steps:
- From the list of Cisco CallManagers click the IP address or name of the Cisco CallManager to configure.
 - Enter identical Starting Directory Number and Ending Directory Number values in the fields provided.
 - Make sure that the setting called **Auto-registration Disabled on this Cisco CallManager** is checked.
 - Click the **Update** button.
- Step 3** From the Cisco CallManager Administration menu bar, select **Device > Phone** to display the Find and List Phones screen.
- Step 4** Click the **Add a New Phone** link to display the Add a New Phone screen.
- Step 5** From the Phone Type drop-down list, make your selection as follows:
- If you are using Cisco CallManager version 3.0 or 3.1, select **Cisco 7960**.
 - If you are using Cisco CallManager version 3.2, select **Cisco ATA 186**.
- Step 6** Click **Next**. The Phone Configuration screen appears.
- Step 7** In the Phone Configuration screen, you must enter information in the following fields:
- MAC Address—Enter the MAC address of the Cisco ATA.
 - Device Pool—Select either the **Default** value or a configured device pool from the drop-down list.
 - Phone Button Template—From the drop-down list, select **Standard 7960** if you are using Cisco CallManager version 3.0 or 3.1; select **Standard ATA 186** if you are using Cisco CallManager version 3.2
- Step 8** Click the **Insert** button (called the **Update** button in Cisco CallManager version 3.2).
- The Cisco CallManager Administration application should inform you that the device has been added to the database. You are also asked if you want to assign a directory number for the **Phone 1** port at this time.
- Click **OK**.
- Step 9** In the Directory Number field, assign a directory number to the Cisco ATA.
- Step 10** From the Partition drop-down list, you can select a partition for the Cisco ATA or you can keep the default value of **None**.

- Step 11** Click the **Insert** button (called the **Update** button in Cisco CallManager version 3.2). A popup window asks you if you want to return to the current-device page. Click **OK**.
- Step 12** To add a second FXS port to Cisco CallManager, go back to Step 3 and proceed from there. You need to fabricate a MAC address for the **Phone 2** port by dropping the two left-most digits from the Cisco ATA MAC address and add the digits **01** to the right-most portion of the MAC address.

Example

If the MAC address of the Cisco ATA is `00070EA26032`, then the fabricated MAC address for the **Phone 2** port would be `070EA2603201`.



Note By default, both Cisco ATA FXS ports are enabled for Cisco CallManager registration. If you do not want to add the **Phone 2** FXS port to Cisco CallManager, you must change the Cisco ATA `EPID1orSID1` parameter value to 0 to disable the **Phone 2** port. (To disable the **Phone 1** port, you must change the `EPID0orSID0` parameter value to 0.)

Using the Cisco Bulk Administration Tool (BAT)

The Cisco Bulk Administration Tool (BAT) is a plug-in application for Cisco CallManager that enables system administrators to perform batch operations, including registration, on large numbers of Cisco IP Phones and Cisco ATAs.

Refer to the *Bulk Administration Tool Guide for Cisco CallManager* for instructions on using BAT to add Cisco ATAs to the Cisco CallManager.

You will need to know the following information when you use the BAT tool:

- When you use the Phone Type drop-down list, make your device-type selections as follows:
 - If you are using Cisco CallManager version 3.0 or 3.1, select **Cisco 7960**.
 - If you are using Cisco CallManager version 3.2, select **Cisco ATA 186**.
- When you use the Phone Configuration screen, you must enter information in the following fields:
 - MAC Address—Enter the MAC address of the Cisco ATA. The MAC address is labeled at the bottom of the Cisco ATA. (You can also use the `atapname.exe` tool to determine the MAC address of the Cisco ATA. For information on how to use this tool, see the [“Using atapname.exe Tool to Obtain MAC Address”](#) section on page 3-13.)
 - Device Pool—Select either the **Default** value or a configured device pool from the drop-down list.
 - Phone Button Template—From the drop-down list, select **Standard 7960** if you are using Cisco CallManager version 3.0 or 3.1; select **Standard ATA 186** if you are using Cisco CallManager version 3.2

- If you want to add a second Cisco ATA FXS port to Cisco CallManager, you need to fabricate a MAC address for the **Phone 2** port by dropping the two left-most digits from the Cisco ATA MAC address and add the digits **01** to the right-most portion of the MAC address.

Example

If the MAC address of the Cisco ATA is *00070EA26032*, then the fabricated MAC address for the **Phone 2** port would be *070EA2603201*.



Note By default, both Cisco ATA FXS ports are enabled for Cisco CallManager registration. If you do not want to add the **Phone 2** FXS port to Cisco CallManager, you must change the Cisco ATA *EPID1orSID1* parameter value to 0 to disable the **Phone 2** port. (To disable the **Phone 1** port, you must change the *EPID0orSID0* parameter value to 0.)

Using Auto-Registration

Use auto-registration if you want Cisco CallManager to assign directory numbers automatically to new Cisco ATAs as they connect to the IP telephony network. Once a Cisco ATA has auto-registered, you can move the Cisco ATA to a new location and assign it to a different device pool without affecting its directory number.

To perform auto registration, see the applicable release version of the *Cisco CallManager Administration Guide* at the following location:

http://www.cisco.com/en/US/products/sw/voicesw/ps556/products_administration_guide_books_list.html