



CHAPTER 2

Adding and Deleting Mobility Services Engines and Licenses

This chapter describes how to add and delete a Cisco 3300 Series Mobility Services Engine from Cisco WCS.

This chapter contains the following sections:

- [Adding a Mobility Services Engine to Cisco WCS, page 2-2](#)
- [Deleting a Mobility Services Engine from the Cisco WCS, page 2-3](#)
- [Registering Client and wIPS Product Authorization Keys, page 2-3](#)
- [Installing Client and wIPS License Files, page 2-6](#)
- [Registering Tag PAKs, page 2-8](#)

Adding a Mobility Services Engine to Cisco WCS

To add a mobility services engine to Cisco WCS, log into WCS and follow these steps:

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- Step 1** Verify that you can ping the mobility service engine.
 - Step 2** Choose **Services > Mobility Services** to display the Mobility Services window.
 - Step 3** From the Select a command drop-down menu, select **Add Mobility Services Engine**. Click **Go**.
 - Step 4** In the Device Name field, enter a name for the mobility services engine.
 - Step 5** In the IP Address field, enter the mobility services engine's IP address.
 - Step 6** (Optional) In the Contact Name field, enter the name of the mobility services engine administrator.
 - Step 7** In the User Name and Password fields, enter the username and password for the mobility services engine. The default username and password are both *admin*.



Note If you changed the username and password during the automatic installation script, enter those values here. If you did not change the default passwords, Cisco strongly recommends that you rerun the automatic installation script and change the username and password.

- Step 8** Check the **Enable HTTP** check box to allow communication between the mobility services engine and third-party applications.
- Step 9** Click **Next**. The Select Mobility Service window appears.
- Step 10** To enable a service on the mobility services engine, check the check box next to that service.



Note A mobility services engine can support multiple services.

- Step 11** Click **Save**.



Note After adding a new mobility services engine, you can synchronize network designs (campus, building, and outdoor maps), controllers, switches (specific Catalyst Series 3000 and 4000 only), and event groups for the mobility services engine and Cisco WCS. Refer to [Chapter 3, "Synchronizing Mobility Services Engines"](#).



Note For a list of Catalyst Series 3000 and 4000 switches that can operate with a mobility services engine, refer to the ["Enabling Location Services on Wired Switches and Wired Clients"](#) section on page 7-49.

Deleting a Mobility Services Engine from the Cisco WCS

To delete one or more mobility services engines from the Cisco WCS database, follow these steps:

- Step 1** Choose **Services > Mobility Services** to display the Mobility Services window.
- Step 2** Select the mobility services engine to be deleted by checking the corresponding check box.
- Step 3** From the Select a command drop-down menu, select **Delete Service(s)**. Click **Go**.
- Step 4** Click **OK** to confirm that you want to delete the selected mobility services engine from the WCS database.
- Step 5** Click **Cancel** to stop deletion.

Registering Client and wIPS Product Authorization Keys

You receive a product authorization key (PAK) when you order a client, wIPs, or tag license from Cisco. You must register the PAK to receive the license file for install on the mobility services engine. License files are emailed to you after successfully registering a PAK.

Client and wIPS PAKs are registered with Cisco.



Note

Tag PAKs are registered with AeroScout. Refer to [“Registering Tag PAKs” section on page 2-8](#).

To register a product authorization key (PAK) to obtain a license file for install, follow these steps:

- Step 1** Open a browser window and enter www.cisco.com/go/license. Enter the PAK and click **SUBMIT** (see [Figure 2-1](#)).

Figure 2-1 Enter PAK Number Window

Step 2 Verify the license purchase. Click **Continue** if correct (see [Figure 2-2](#)). The licensee entry window appears (see [Figure 2-3](#)).



Note If the license is incorrect, click **TAC Service Request Tool** link (right) to report the problem.

Figure 2-2 Validate License Purchase Window

The screenshot shows the Cisco Product License Registration interface. The breadcrumb trail is: HOME > Product License Registration > Support > Product License Registration. The progress bar indicates four steps: 1. Enter a PAK Number, 2. Validate Features (current step), 3. Designate Licensee, and 4. Finish and Submit. Below the progress bar, it states: "Your product information is shown below. Displayed is the product name and associated features and quantity." A table displays the license details:

Product SKU	Option SKU	Description	Quantity
AIR-MSE-PAK=		AIR-MSE-PAK= : Mobility Services Configurable PAK	1
	AIR-CAS-12KC-K9	AIR-CAS-12KC-K9 : Context Aware Engine for Clients License For 12K Clients	1

Below the table, a note reads: "If the information is incorrect, for a prompt response, please open a Service Request using the [TAC Service Request Tool](#). Please have your valid Cisco.com user id and password available. As an alternative you may also call our main Technical Assistance Center at 800-553-2447. If you would like to enter a different PAK, please use your browser's back button to return to the form." At the bottom, there are "Go Back" and "Continue" buttons. On the right side, there is a "Toolkit" section with "Feedback" and "Help" links, and a "Related Tools" section with links to "Dynamic Configuration Tool" and "TAC Service Request Tool".

Figure 2-3 Designate Licensee Window, 1 of 2

The screenshot shows the Cisco Product License Registration interface, Step 3: Designate Licensee. The breadcrumb trail is: HOME > Product License Registration > Support > Product License Registration. The progress bar indicates four steps: 1. Enter a PAK Number, 2. Validate Features, 3. Designate Licensee (current step), and 4. Finish and Submit. Below the progress bar, it states: "Mobility Services Engine". A note reads: "Note: Partners registering on behalf of a customer must check the licensee check box in the End user section." Below this, it says: "A *** denotes a required field". A section titled "About your License Key" contains the text: "Please enter below the UDI of the MSE appliance that you will be installing your software on." Below this text is a text input field containing "AIR-MSE-3350-K9-V01:MXQ821A31P". Below the input field, there is a checkbox labeled "Agreement:" which is checked, with the text "Click here if you accept the conditions of the [End-User License Agreement](#)". On the right side, there is a "Toolkit" section with "Feedback" and "Help" links, and a "Related Tools" section with links to "Dynamic Configuration Tool" and "TAC Service Request Tool".

Step 3 At the Designate Licensee window:

- a. Enter the mobility service engine's UDI in the host ID field. This is the mobility services engine on which the license will be installed.



Note UDI information for a mobility services engine is found on the General Properties panel at Services > Mobility Services Engine > *Device Name* > *System*.

- b. Check **Agreement** check box. Registrant information appears beneath the Agreement check box (see [Figure 2-4](#)).

Modify information as necessary.



Note Ensure that the phone number does not include any characters in the string for the registrant and end user. For example, enter 408 555 1212 rather than 408.555.1212 or 408-555-1212.

Figure 2-4 Designate Licensee Window, 2 of 2

Registrant Information

Name:* First Name:* Last Name:*

Company:*

Title

Address1:*

Address2

City/Town:* State/Prov:* Postal/Zip:*

Country:*

Phone:*

Fax

Email:*

- c. If registrant and end user are not the same person, check **Licensee (End-User)** check box beneath registrant information and enter the end user's information.

- d. Click **Continue**. A summary of entered data appears (see [Figure 2-5](#)).

Figure 2-5 Finish and Submit Window

HOME
Product License Registration

Support
Product License Registration

1 Enter a PAK Number 2 Validate Features 3 Designate Licensee 4 Finish and Submit

Summarized Information
Please review information below and confirm that it's complete and accurate.

Licensee Information

Registrant Profile
[Edit Details](#)

Full Name: username1
Job Title: Technical Writer
Company: CISCO SYSTEMS
Business Address: 3550 Cisco Way
San Jose, CA 95134
USA
Phone: 14085551234
Fax:
Email: username1@example.com

End User Profile
[Edit Details](#)

Full Name: username1
Job Title: Technical Writer
Company: CISCO SYSTEMS
Business Address: 3550 Cisco Way
San Jose, CA 95134
USA
Phone: 14085551234
Fax:
Email: username1@example.com

Toolkit: Roll over tools below
Feedback | Help

Related Tools
[Dynamic Configuration Tool](#)
[TAC Service Request Tool](#)

- Step 4** At the Finish and Submit window, review registrant and end user data. Click **Edit Details** to correct information. Click **Submit**. A confirmation window appears (see Figure 2-6).

Figure 2-6 Registration Confirmation Window

Worldwide [change] Logged In | Account | About Cisco

Search Go

Solutions Products & Services Ordering Support Training & Events Partner Central

HOME
Product License Registration

Support
Product License Registration

Registration Complete

Thank you for registering your product with Cisco Systems. Your registration is complete. Your license/s and user information will be sent via email within 1 hour to the email address you specified during the registration process. If you have not received an email within 1 hour, please send an email to licensing@cisisco.com or call 1-800-553-2447. Please be sure to check your Junk/Spam email folders for this email from licensing@cisisco.com with your license key attached.

Toolkit: Roll over tools below
Feedback | Help

Related Tools
[Dynamic Configuration Tool](#)
[TAC Service Request Tool](#)

Installing Client and wIPS License Files

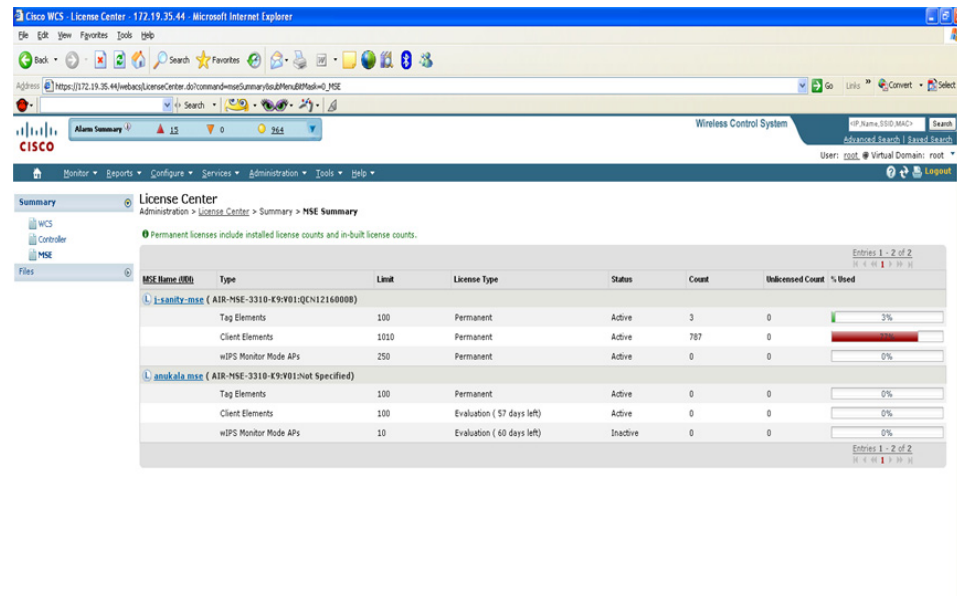
You can install client and wIPS licenses from Cisco WCS.

Tag licenses are installed using the AeroScout System Manager. Refer to “Installing Tag Licenses” section on page 2-8.

To add a client or wIPS license to Cisco WCS after registering the PAK, follow these steps:

- Step 1** Choose **Administration > License Center** (see [Figure 2-7](#)).

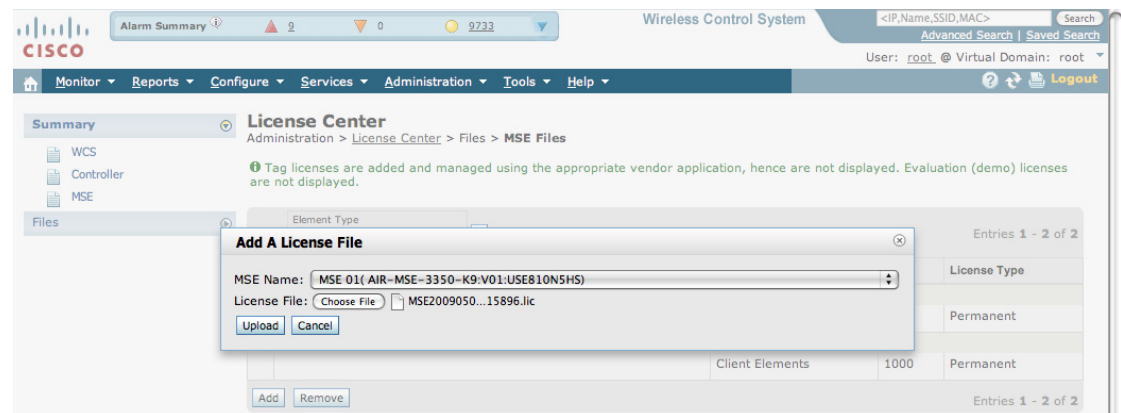
Figure 2-7 Administration > License Center Window



- Step 2** Choose **Files > MSE Files** (left panel).

- Step 3** Click **Add**. A pop-up entry panel appears (see [Figure 2-8](#)).

Figure 2-8 Add a License File Panel



- Step 4** Select **MSE Name**.



Note Verify that the UDI of the selected mobility services engine matches the one you entered when registering the PAK.

- Step 5** Click **Choose File** to browse and to select the license file.

Step 6 Click **Upload**. Newly added license appears in MSE license file list.

Registering Tag PAKs

To register tags at the AeroScout web site, follow these steps:

Step 1 Open a browser and enter <http://www.aeroscout.com/content/support>.

Step 2 Login if you have an existing account or click **Create New Account** to create a login a username and password.

If created a new account, you will receive a notification email with your username and password.

Step 3 After logging in, click **Register Products Purchased from Cisco** on the Home tab.

To register your product, you need the following information: PAK number, MSE ID (MSE serial number (S/N)) and Installation Type.

You will receive an email message from AeroScout that confirms registration.

Your PAK number is verified within 2 business days by email. If your PAK number is found to be invalid you must register again with a valid PAK number.

Installing Tag Licenses

After successfully registering your PAK, you will receive an email with your license key and instructions on how to download context-aware software and a copy of the *AeroScout Context-Aware Engine for Tags, for Cisco Mobility Services Engine User's Guide*.



Note

The license key you will receive through mail is a .lic file. You should save the received license key as a .lic file. This file can be subsequently used to install the license through WCS.

Refer to the users guide for details on installed your tag licenses.

<http://support.aeroscout.com>