



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:

- **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.



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".



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

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.

٩, 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).

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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

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Product SKU Option SKU Description Quantity Image: Configuration for Clients Configuration for Clients <thclients< th=""></thclients<>	Onter a PAK Number O Yalidate Features O Designate Licensee O Finish and Submit Your product information is shown below. Displayed is the product name and associated features and quantity. Toolkit: Roi overtool 2 below Eeedback Help PAK: 13333552EFF Product SKU Description Quantity AIR-MSE- PAK: AIR-MSE-PAK=: Mobility Services Configurable PAK 1 JIZKC-K9 AIR-ASE-IZKC-K9: Context Aware Engine for Clients License For 1 If the information is incorrect, for a prompt response, please open a Service Request using the TAC Service Request Tool Prese have your valid Cleso com user is 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.	ME roduct License	Registration	support Product	License	Registra	tion			
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Figure 2-3 Designate Licensee Window, 1 of 2

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- **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.

- 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.



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			0
Name:*	First Name:* username1	Last Name:* username2		
Company:	CISCO SYSTEMS	1		
Title	Technical Writer			
Address1:	* 3550 Cisco Way	1		<u></u>
Address2		1		
	City/Town:*	State/Prov:*	Postal/Zip:*	L.
	San Jose	CA	95134	
	USA \$			
Phone:*	14085551234]		
Fax		1		
Email:*	username1@example.com			Ă

- **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).

<u>Note</u>

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	Email: username1@example.com		
End User Profile Edit Detais	Full Name: Username1 Technical Writer Company: CISCO SYSTEMS Business Address: 3550 Cisco Way San Jose, CA 95134 USA Phone: 14085551234 Fax:		
	Email: username1@example.com		A Y

Figure 2-5 Finish and Submit Window

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

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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).

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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

_	Configure ★ Services ★ Administration ★ Tools ★ Help ★	🕜 🤣 📇 Logou
Summary WCS Controller MSE	License Center Administration > License Center > Files > MSE Files O Tag licenses are added and managed using the appropriate vendor application, hence are not displayed. E are not displayed.	valuation (demo) licenses
files	Add A License File	Entries 1 - 2 of 2
		License Type
	MSE Name: MSE 01(AIR-MSE-3350-K9.001.056610N5H5)	
	License File: Choose File MSE200905015896.lic Upload Cancel	Permanent

Step 4 Select MSE Name.



e 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 htt	tp://www.aeroscout.com/content/suppo

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