



Getting Started

The following topics provide an overview of the Wireless LAN Solution Engine (WLSE), information about WLSE displays, and assistance with getting started:

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- [Understanding the WLSE User Interface, page 1-2](#)
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Overview of the Wireless LAN Solution Engine

The WLSE is a hardware and software solution for managing Cisco wireless devices. The WLSE has the following major features:

- **Configuration and Firmware**

The configuration feature allows you to apply a set of configuration changes to access points and bridges. Using the firmware feature, you can upgrade the firmware on access points and bridges.
- **Reporting**

Allows you to display reports for tracking device, client and security information. Reports can be emailed, printed, and exported.
- **Fault and Policy Monitoring**

Provides device monitoring for fault and performance conditions, monitoring of LEAP server responses, and monitoring of policy misconfigurations.

The WLSE works by gathering fault, performance, and configuration information about Cisco devices that it discovers in your network. The devices must be properly configured for discovery. After devices are discovered, you decide which devices to manage with the WLSE.

Understanding the WLSE User Interface

When you log into the WLSE through the World Wide Web, the set of features (tabs and subtabs) displayed in the UI depends on the roles assigned to your user login. A user with system administrator privileges can access the features in all of the tabs and subtabs, while other users may see only a subset of features. For more information about user roles, see [Managing Roles, page 6-75](#).



Note

The WLSE UI times out after 30 minutes of inactivity and you must log in again. The timeout is not configurable.

This section describes the following aspects of the UI:

- The dashboard, including the tabs, subtabs, and buttons in the upper right corner—See [The WLSE Dashboard, page 1-2](#).
- How device names and IP addresses are displayed in the WLSE GUI—See [Device Name and IP Address Display, page 1-5](#).
- The way the WLSE displays timestamps—See [Time Display, page 1-5](#).

The WLSE Dashboard

The WLSE dashboard consists of:

- Tabs and subtabs that provide access to specific functions (see [Tabs and Subtabs, page 1-3](#)).
- Buttons in the upper right corner that provide general functions (see [Buttons, page 1-4](#)).

Tabs and Subtabs

The dashboard contains the following tabs and subtabs:

Table 1-1 *Tabs and Subtabs*

Main Tab	Subtabs	For information, see...
Faults	Display faults—display device faults. Manage Profiles—use profiles to set thresholds and policies. Fault Forwarding—send fault information (traps, syslog messages, and emails)	Fault Monitoring, page 2-1.
Configure	Templates—create configuration templates. Jobs—apply configuration templates to devices. Auto update—automate initial configuration.	Configuring Devices, page 3-1.
Firmware	Images—import firmware for access points and bridges from the desktop or from Cisco.com to the WLSE. Jobs—upload firmware to devices.	Updating Device Firmware, page 4-1
Reports	Device Center—quickly view reports for a particular device. Wireless Clients—view reports about client associations with access points. Current—view, export, and email reports about each type of monitored device. Trends—view, export, and email reports about current trends for monitored devices. Scheduled email jobs—manage email jobs.	Using Reports, page 5-1.

Table 1-1 *Tabs and Subtabs (continued)*

Main Tab	Subtabs	For information, see...
Administration	<p>Discover—run discoveries, enter device credentials, put devices under management, run immediate inventories, view task history for inventory and discovery, import and export devices, and enter AAA servers (LEAP, RADIUS, and EAP-MD5) to be monitored.</p> <p>Group Management—view and manage device grouping.</p> <p>Appliance—manage the WLSE system (view diagnostics, manage WLSE software, manage WLSE security, backup and restore data, configure the login screen, set current time, specify NTP servers and name servers, and set up routing for email jobs).</p> <p>System Parameters—set global parameters for inventory and polling.</p> <p>User Admin—manage users and user profiles.</p> <p>My Profile—reset your password.</p> <p>Connectivity Tools—use the connectivity tools (ping, traceroute, nslookup, TCP port scan, and SNMP reachability).</p>	<p>Performing Administrative Tasks, page 6-1.</p>

Buttons

The four buttons in the upper right corner of the user interface have the following functions:

- **Help**—Displays online help for the subtab or option you are using and a table of contents and index for online help.
- **About**—Displays information about the WLSE version.
- **Logout**—Logs you out of the WLSE and displays the login screen.

Device Name and IP Address Display

Many WLSE displays include a field for the device name. The data displayed in this field differs depending upon the following:

- If reverse DNS lookup is enabled on the WLSE, the device name is displayed in this field if the lookup succeeds. If the lookup fails, the device IP address is displayed.
- If you do not enable reverse DNS lookup and device's sysName is set, the sysName SNMP variable is displayed. If sysName is not set, the device IP address is displayed.

In some displays there are separate fields for device name, sysName, and IP address.

To enable DNS lookup on the WLSE, select **Administration > Discover > DISCOVER > Discovery Options** and select Use reverse DNS lookup. For more information, see [Enable Discovery Options, page 6-18](#).

Time Display

The WLSE uses browser (client) time in most of its displays. The format of timestamps depends on the browser you are using:

- In Internet Explorer, the timestamp usually consists of the browser time (hours:minutes:seconds) and date; for example:

14:17:16 10/12/2002

In some displays the timestamp is the day of the week, month and day, browser time, timezone, and year; for example:

Sat Oct 12 11:15:01 PDT 2002

- In Netscape Navigator, the timestamp usually consists of the browser time (hours:minutes:seconds) and date; for example:

14:17:16 10/12/2002

In some displays the timestamp is the day of the week, time, offset from GMT/UTC, timezone, and year; for example:

Mon Mar 25 13:29:21 GMT-0800 (Pacific Standard Time) 2002

It is recommended that you check the current time on the WLSE and reset it to the correct time the first time you log in. For more information about setting the current time, see [Setting the Current Time and Date on the WLSE, page 6-69](#).

The WLSE's system time is Universal Coordinated Time (UTC), and UTC is used in certain logs, such as the Discovery Run Log. To display or reset the UTC time, use the CLI **clock** command. For more information on this command and other CLI commands, see the command reference in the *Hardware Installation and Configuration Guide for the CiscoWorks 1105 Wireless LAN Solution Engine*—click the **PDF** button in the online help.

Logging In and Out

When user logins are set up, users are assigned one or more roles. Roles define which tabs and subtabs are visible to the user and, therefore, which features can be accessed. There are predefined roles, which can be edited but not removed; and you can create new roles. After initial setup, only the admin user can log into the WLSE, using the reserved username **admin** and the password specified during initial setup. To set up access for other users, see [Managing Users, page 6-77](#) and [Managing Roles, page 6-75](#).

Procedure

To log into the GUI:

Step 1 Access the WLSE through a browser by entering the WLSE's IP address, followed by **:1741** (for example: `http://209.165.128:1741`).

For information on supported browsers, see the *Quick Start Guide for the CiscoWorks 1105 Wireless LAN Solution Engine*.

Step 2 Enter your username and password and click **Login**.

If you do not see features you need to use, log out and log back in as a user with those privileges. Contact the system administrator for information about the features you can access.

To log out from the WLSE, click **Logout** in the upper right corner of the window.



Note Login sessions automatically time out after 30 minutes of inactivity.

Getting Started with Device Management

Before you can use WLSE monitoring, configuration, firmware upgrading (or downgrading), and reporting, you must set up your devices, initiate discovery, and move devices into the managed state. To get started, follow the directions in the *Quick Start Guide for the CiscoWorks 1105 Wireless LAN Solution Engine* or use the following task list as a general guide.

Table 1-2 Basic Initial Tasks

Task	Description and References
1. Set up devices (access points, bridges, routers, switches, and AAA servers).	See Set Up Devices, page 6-12 for details.
2. Log into the WLSE using a Web browser.	Enter the WLSE's IP address, followed by:1741; for example, http://209.165.202.128:1741 . Use the admin username and the password you created during initial setup of the WLSE.
3. Enter device credentials.	Device community strings for all managed devices must be entered on the WLSE. See Specifying Device Credentials, page 6-6 . For access point configuration tasks, HTTP usernames and passwords must be entered on the WLSE. See Specify the HTTP Username and Password, page 6-9 .
4. Initiate discovery from the WLSE or import devices from a file or from a CiscoWorks2000 server.	If you are using discovery from the WLSE, add seed devices and enable discovery. You can initiate an immediate one-time discovery or schedule discovery for a later time. See Managing Device Discovery, page 6-10 .
5. Verify the discovery.	On the WLSE, verify that devices were discovered. See Viewing Inventory and Discovery Task History, page 6-27 .

Table 1-2 Basic Initial Tasks (continued)

Task	Description and References
6. Move devices to the managed state and run inventory.	You must move devices to the managed state on the WLSE before you can use configuration, reporting, and monitoring features; or you can specify that all discovered devices be automatically managed (see Managing Devices, page 6-2). After moving devices to the managed state, you can run an immediate inventory to obtain device information needed to use such WLSE features as reports and automatic grouping (see Running Inventories, page 6-24).
7. Create other users and user roles as needed.	The WLSE has one predefined user (the system administrator with the username admin) and four predefined user roles. User roles are used to specify the WLSE functions a given user can have access to. To allow other users access to the WLSE, the system administrator must add users. The system administrator can also create roles to customize user access. See Administering Users, page 6-75 .