



Overview of the Client Utilities for Windows and Linux

This chapter describes the utilities that can be used with a Cisco Aironet Wireless LAN Adapter and the Windows 95, Windows 98, Windows NT, Windows 2000, Windows Me, or Linux operating system.

The following topics are covered in this chapter:

- Introduction to the Client Utilities, page 1-2
- Installing the Client Utilities, page 1-2
- Opening the Client Utilities, page 1-3
- Using the Client Utilities, page 1-3

Introduction to the Client Utilities

**Note**

Cisco's Linux driver and client utilities currently support version 2.2.xx of the Linux kernel.

If your computer's operating system is Windows 95, Windows 98, Windows NT, Windows 2000, Windows Millennium Edition (Me), or Linux, the following utilities are available for use with your client adapter:

- **Aironet Client Utility (ACU)** – Loads new firmware, enables security features, configures the client adapter, and performs user-level diagnostics
- **Link Status Meter (LSM)** – Graphically monitors the signal quality and signal strength between the client adapter and an associated Access Point

**Note**

LSM is available only for the Windows operating systems.

- **Client Encryption Manager (CEM)** – Configures a Wired Equivalent Privacy (WEP) key for the client adapter

The client utilities are contained on the Cisco Aironet Series Wireless LAN Adapters CD that shipped with the client adapter. If your computer does not have a CD-ROM drive, you can download the utilities from Cisco's web site at <http://www.cisco.com/public/sw-center/sw-wireless.shtml>. Under "Wireless Software Products - Cisco Aironet Drivers and Utilities," select your computer's operating system and the appropriate utility.

Installing the Client Utilities

If you have not already installed the client utilities for your client adapter, follow the instructions in the "Installing the Client Utilities and Enabling LEAP or EAP" section of the *Cisco Aironet Wireless LAN Adapters Hardware Installation Guide* to do so now.

**Note**

If your computer's operating system is Windows 95, 98, NT, 2000, or Me, icons are automatically added to the desktop when you install the client utilities. If you wish to remove these icons from your desktop, right-click the icon, click **Delete**, and click **Yes** to confirm your decision.

**Note**

To install or use the client utilities on Windows NT or Windows 2000 systems, you must log onto the system as a user with administrative privileges. The utilities do not install or operate correctly for users not logged in with administrative rights.

Opening the Client Utilities

Follow the instructions for your operating system to open the client utilities.

Opening the Client Utilities in Windows 95, 98, NT, 2000, or Me

If your computer's operating system is Windows 95, 98, NT, 2000, or Me, the client utilities can be opened in several ways:

- To open one of the utilities from your desktop, double-click the corresponding icon, if it has not been removed.
- To open one of the utilities from the Windows Start menu, select **Programs; Cisco Systems, Inc.;** and the desired utility (such as ACU).
- To open one of the utilities from a DOS window, change to the **C:\Cisco\Aironet Client Utility** directory (or to the directory in which you installed the utilities). Type **windgs** to open ACU, type **linkscope** to open LSM, or type **wepkey** to open CEM.

Opening the Client Utilities in Linux

If your computer's operating system is Linux, go to the directory where the utilities were installed and type **acu** to open the Aironet Client Utility or **cem** to open the Client Encryption Manager.

Using the Client Utilities

The following table directs you to the chapters in this publication that provide information on using the client utilities for Windows and Linux.

Client Utility	Location
Aironet Client Utility (ACU)	Chapter 2
Link Status Meter (LSM)	Chapter 3
Client Encryption Manager (CEM)	Chapter 4

Screen Differences

The client utility screens are similar for Windows and Linux. Therefore, the example screens contained in Part 1 of this document apply to both operating systems, unless otherwise noted. Two general differences between the Windows and Linux screens are listed below:

- Some fields in the Windows screens allow data to be typed into edit boxes or to be selected with sliders. In Linux, data can be entered into these fields only with sliders.
- For some fields in which more than one option can be selected, the options resemble open bullets in Windows and diamonds in Linux. In Windows, the selected option is indicated by a closed bullet, and in Linux the selected option is indicated by the top of the diamond being highlighted.

Buttons on the Client Utility Screens

The buttons on the bottom of the client utility screens are used to perform specific functions. Table 1-1 describes each of the buttons.

Table 1-1 Buttons on the Client Utility Screens

Button	Description
Cancel	Exits the screen without saving any changes
OK	Saves any changes and exits the screen
Apply	Saves any changes but does not exit the screen
Pause	Freezes the information on the screen and prevents it from being updated
Continue	Allows the information on the screen to be updated after the Pause button is selected
Reset	Temporarily clears any values and resets them to 0
Start	Initiates a test
Stop	Stops a test that is running
Defaults	Displays the default value of each parameter
Help	Provides information on the screen and its parameters