



Release Notes for Cisco Aironet 802.11a/b/g (CB21AG and PI21AG) Client Administration Utility (ACAU) 3.5

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Americas Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

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Introduction

This document describes system requirements, important notes, new and changed information, installation and upgrade procedures, and caveats for Cisco Aironet Client Administration Utility (ACAU) version 3.5.

ACAU is a utility used by administrators to set software installation options and create *profiles* (saved configurations) for users who install Cisco Aironet CB21AG and PI21AG Wireless LAN Client Adapters in computers running the Windows 2000 or Windows XP operating system. Administrators save the installation settings and profiles to a configuration file. Then when the user installs the client adapter software (driver and client utilities), the Install Wizard uses the instructions in the configuration file to govern the installation and setup of the client utilities and load one or more preconfigured user profiles. Administrators can create configuration files to control the installation and configuration of client adapters for one user or groups of users.

**Note**

To ensure proper operation, use ACAU 3.5 only with client adapter Install Wizard 3.5.

System Requirements

You need the following items in order to install and use ACAU 3.5:

- A computer running the Windows 2000 or XP operating system

**Note**

Cisco recommends a 300-MHz (or greater) processor.

- Service Pack 2 for Windows XP (Professional, Home); Service Pack 4 for Windows 2000
- 20 MB of free hard disk space (minimum)
- 128 MB of RAM or greater (recommended)

Important Notes

Incompatibility between PACs Created by ACS Version 3.x.xx and ACS Version 4.0.xx

PACs that are created by ACS version 3.x.xx are not compatible with ACS version 4.0.xx. Client stations must import new PACs. If you select auto-provisioning, new PACs will automatically be generated and used. However, if you select manual provisioning, you must manually export new PACs to the client stations.

If a user wants to authenticate to ACS version 4.0.xx and version 3.x.xx at different times, both PACs must remain on the client station. The ADU is capable of automatically selecting the appropriate PAC.

However, if you experiences authentication failures after upgrading the software, delete all the PACs provisioned from the 3.x.xx server.

Conflict with Third-Party Supplicants

When using release 3.5, you might encounter a conflict with third-party supplicants (such as the Juniper Odyssey) that causes the Cisco client adapter to lose connection. If you encounter such a conflict, disable third-party supplicants.

Software Compatibility

ACAU 3.5 is compatible only with the Cisco Aironet CB21AG and PI21AG client adapters.

Name and Location of Configuration File

You can change the name of the ACAU configuration file; however, the name must be changed back to *CiscoAdminConfig.dat* before the user runs the Install Wizard. Otherwise, the Install Wizard does not load the configuration file.

You must also save the configuration file to the drive and directory in which the Install Wizard resides. If you save the file to any other location, it is not processed by the Install Wizard.

Installing the Novell Client

To ensure proper operation, the Novell Client (if used) must be installed on the user's computer prior to the client adapter software.

Host Based EAP Profiles Created with Earlier ACAU Versions

If you created a Host Based EAP profile using ACAU 1.2 or 1.3 and import it for use with ACAU 2.5, it is designated as an EAP-FAST profile in ACAU 2.5. To change it, you must manually reconfigure the profile for Host Based EAP.

New and Changed Information

This section describes the new and modified features in release 3.5 of ACAU.

Changing Client Transmit Power Settings

A client administrator can choose the power level for 802.11a and for 802.11b/g in the Advanced tab of the Profile Editor window. The available power levels are as follows:

- 802.11a: 40, 25, 20, 13, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1 mW
- 802.11b/g: 100, 63, 50, 32, 20, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1 mW

In release 3.5, the 1-9 mW range was added.

For more information about the new updates, refer to the *Cisco Aironet 802.11a/b/g Wireless LAN Client Adapters (CB21AG and PI21AG) Administration Utility Administrator Guide (OL-7086-04)*.

Finding the Software Version

Follow these steps to obtain the latest ACAU software from Cisco.com:

-
- Step 1** Make sure the client adapter is inserted into your computer.
 - Step 2** Make sure that you have a Cisco Connection Online (CCO) username and password.
 - Step 3** If you do not have a CCO username and password, go to Cisco's main page (<http://www.cisco.com>) and click Register (top). Then, follow the instructions to create a CCO username and password.
 - Step 4** Browse to the following location:
<http://www.cisco.com/public/sw-center/>
 - Step 5** Click **Wireless Software**.
 - Step 6** Click **Wireless LAN Access**.
 - Step 7** Click **Cisco Wireless LAN Client Adapters**.
 - Step 8** Click **Cisco Aironet Wireless LAN Client Adapters Tools For Systems Administrators**.
 - Step 9** Click **Cisco Aironet CB21AG/PI21AG Wireless LAN Client Adapter Tools**.
 - Step 10** When prompted, enter your CCO username and password, and click **OK**.
 - Step 11** Click **Aironet Client Administration Utility (ACAU)**.
 - Step 12** Click the link with the greatest release number under Available Releases.
 - Step 13** Click the Install Wizard file (**acau-vxx.exe**), where **xx** is the version number.
 - Step 14** If prompted, enter your CCO username and password, and click **OK**.
 - Step 15** Complete the encryption authorization form, read and accept the terms and conditions of the Software License Agreement.
 - Step 16** In the Download page, click the **Download** button to download the installer, and save it on your computer's Desktop.

Before downloading the file, you will be prompted to enter your CCO username and password. You will also be prompted to agree to the software download rules.

Obtaining ACAU

Follow these steps to obtain the latest version of ACAU from Cisco.com.

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- Step 1** Use your computer's web browser to access the following URL:
<http://www.cisco.com/public/sw-center/sw-wireless.shtml>
 - Step 2** Click **Option #2: Aironet Wireless Software Display Tables**.
 - Step 3** Click **Cisco Aironet Wireless LAN Client Adapters**.
 - Step 4** Scroll down to Windows Systems Administration Tools and click **Aironet Client Administration Utility (ACAU)**. The Software Download page appears.
 - Step 5** Click **acau-vxx.exe**. The Software Download Encryption Authorization Form appears.
 - Step 6** Complete the encryption authorization form and click **Submit**. The Software License Agreement page appears.

- Step 7** If you agree with the terms of the agreement, click **Accept**. Otherwise, click **Decline** to cancel the download.
- Step 8** When the Software Download page appears, click **acau-vxx.exe**.
- Step 9** Save the file to a folder you specify.

Installing ACAU

Follow these steps to install ACAU on your computer for the first time:



Note

If you are upgrading to a new version of ACAU or reinstalling the same version, follow the instructions in the [“Upgrading ACAU” section on page 10](#) to upgrade or reinstall your ACAU software.

Step 1 Use Windows Explorer to find the installer.

Step 2 Double-click the installer.

The Preparing Setup window appears followed by the InstallShield Wizard window (see [Figure 1](#) and [Figure 2](#)).

Figure 1 *Preparing Setup Window*

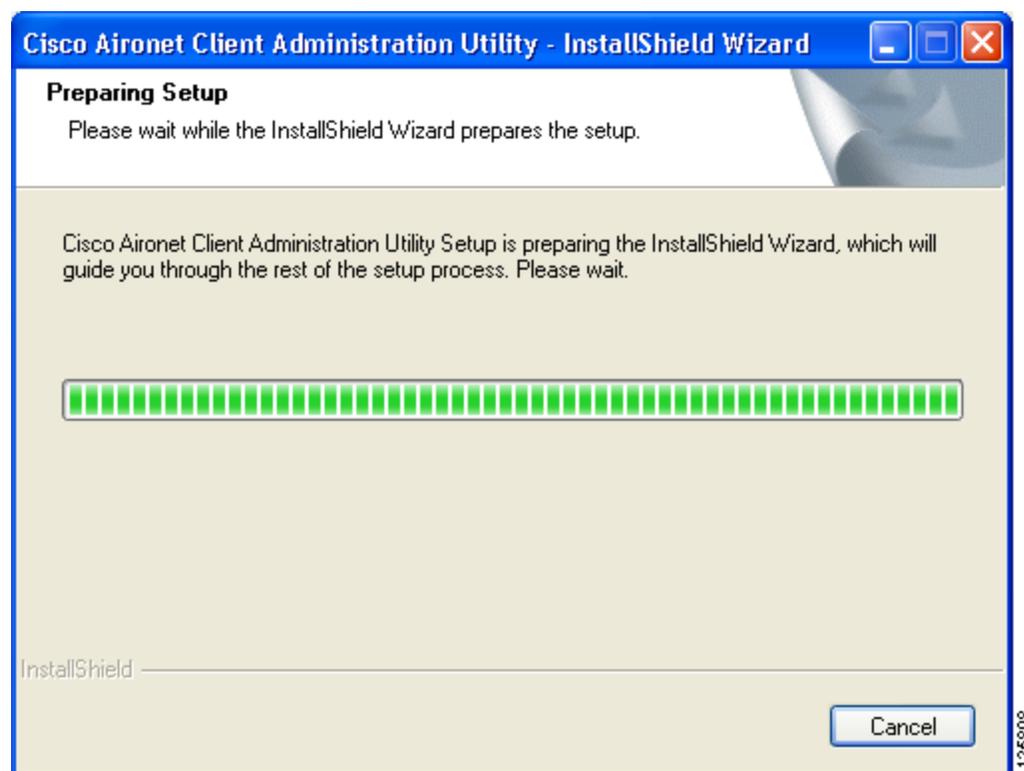
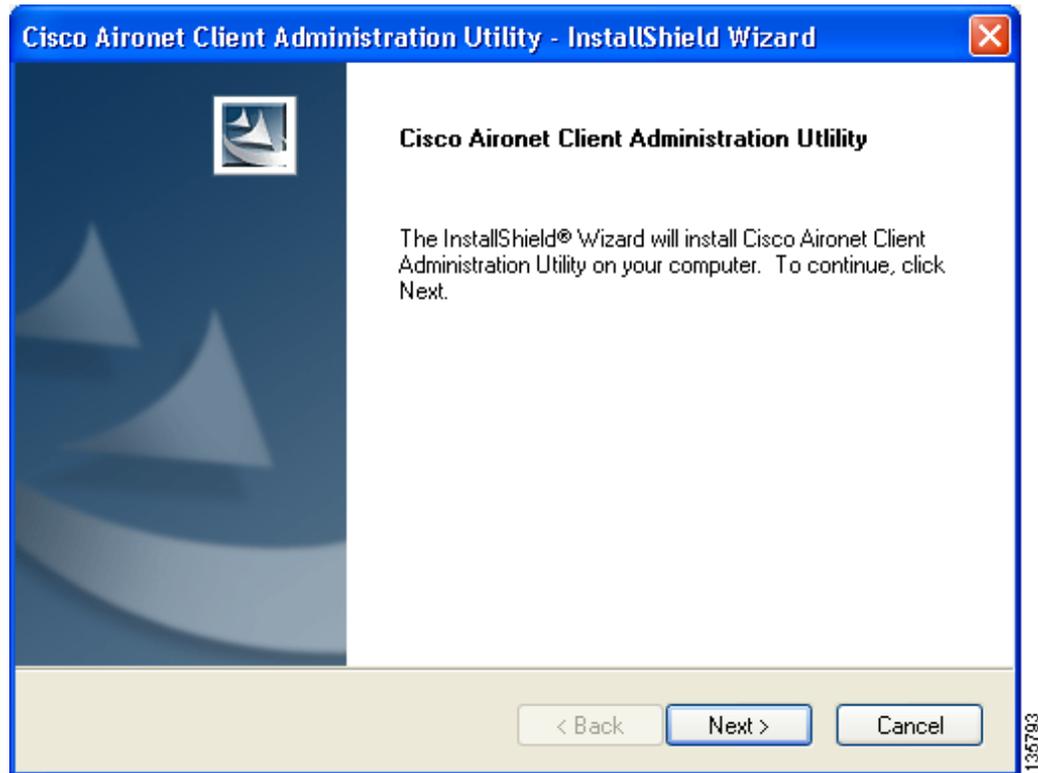
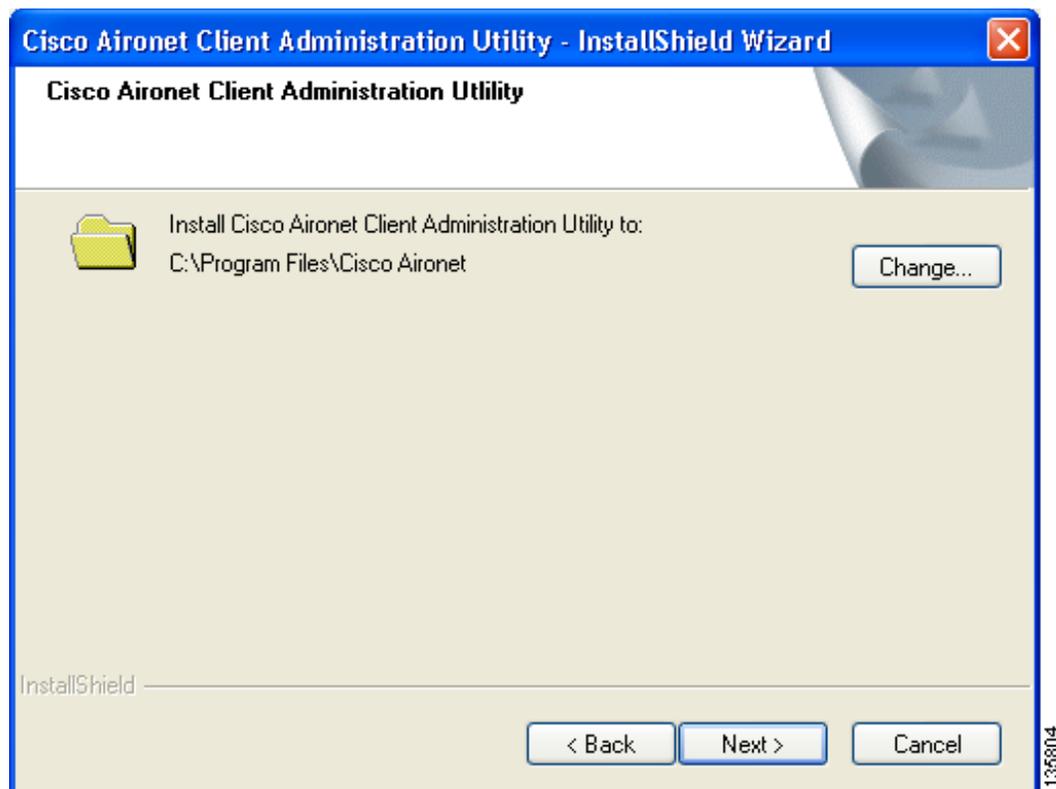


Figure 2 *InstallShield Wizard Window*



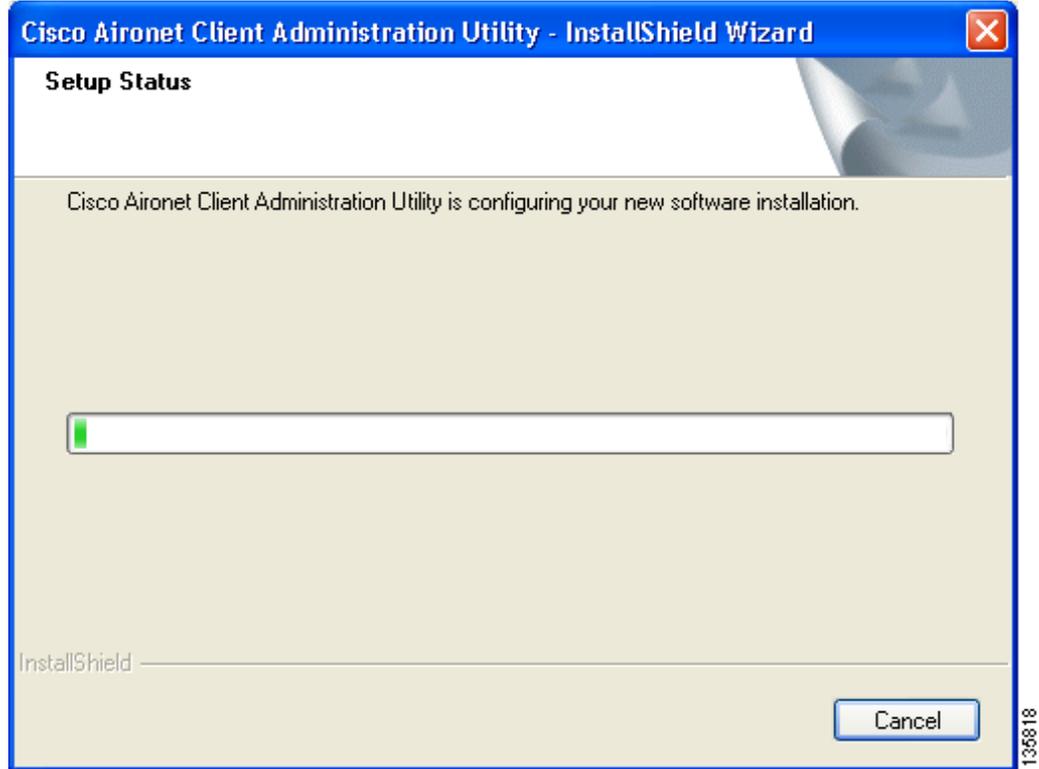
- Step 3** Click **Next**. The Installation Location window appears showing the default location where ACAU will be installed (see [Figure 3](#)).

Figure 3 *Installation Location Window*



- Step 4** If you want to change the default location, click **Change**, browse to the location of your choice, and click **OK**.
- Step 5** Click **Next** to begin the installation process. The Setup Status window appears (see [Figure 4](#)).

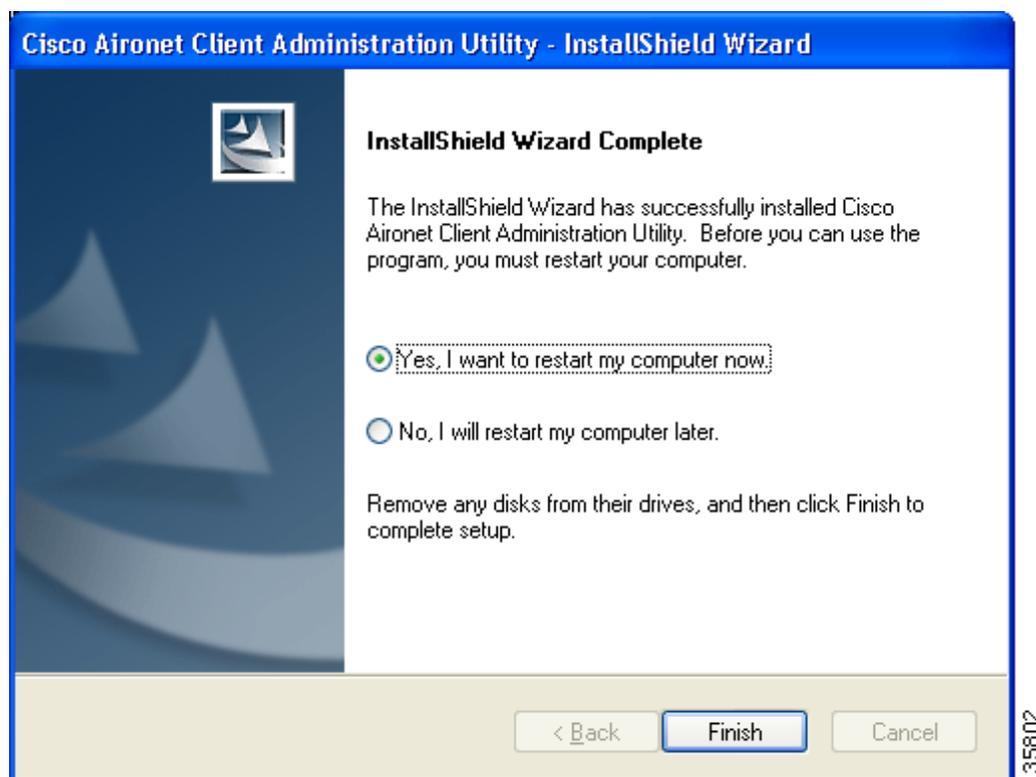
Figure 4 Setup Status Window



The installation process begins, and you are notified as each software component is installed.

Step 6 When ACAU is installed, the InstallShield Wizard Complete window appears (see [Figure 5](#)).

Figure 5 *InstallShield Wizard Complete Window*



Step 7 Click **Yes, I want to restart my computer now** to restart your computer after quitting the installer. Otherwise, click **No, I will restart my computer later** if need to install other programs before restarting your computer.



Note Before you can use ACAU, you must restart you computer.

Step 8 Click **Finish**. The installation is complete.

Upgrading ACAU

Follow these steps to upgrade your ACAU software to the latest ACAU release:

Step 1 Run the ACAU installer.

The Preparing Setup window appears followed by the Previous Installation Detected window (see [Figure 6](#) and [Figure 7](#)).

Figure 6 *Preparing Setup Window*

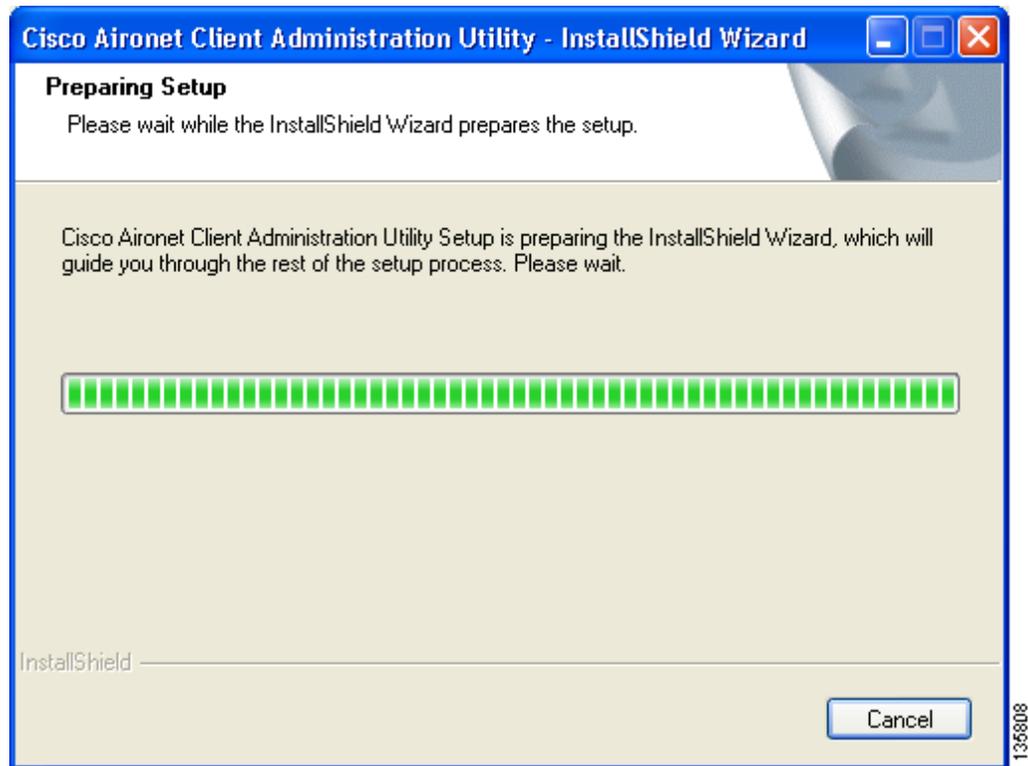
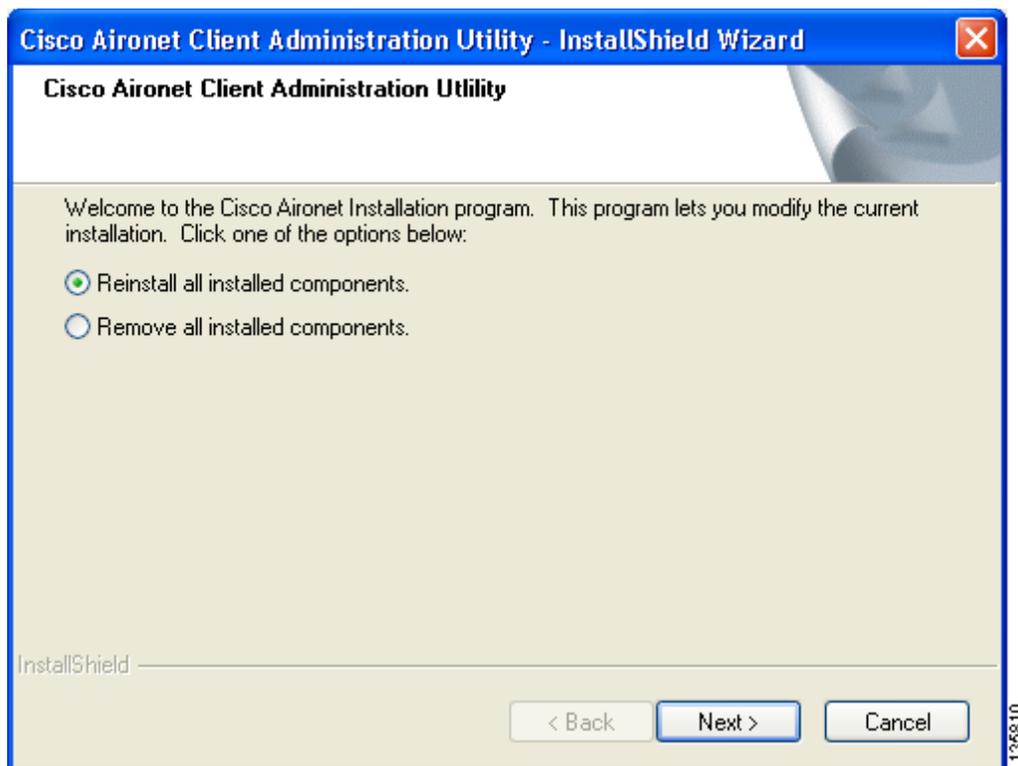


Figure 7 Previous Installation Detected Window



Step 2 Perform one of the following:

- If you want to upgrade your ACAU software using new installation settings, you must first uninstall the existing ACAU software from your computer. Follow these steps to do so:
 - a. Choose **Remove all installed components** and click **Next**.
 - b. Click **Yes** to confirm your decision.
 - c. After ACAU has been uninstalled, click **Finish**.
 - d. Follow the instructions in the [“Installing ACAU” section on page 5](#) to install the new ACAU software.
- If you want to upgrade your ACAU software using the installation settings that were selected during the last installation, follow these steps:
 - a. Choose **Reinstall all installed components** and click **Next**. The Setup Status window appears and notifies you as each software component is installed.
 - b. When the upgrade finishes, the Maintenance Complete window appears. If the window contains an option to restart your computer, choose that option.
 - c. Click **Finish** and allow your computer to restart if it begins the reboot process.

Running ACAU

When you install ACAU, the installation routine places an Aironet Client Administration Utility icon on your Windows desktop. Double-click the icon to start the utility.

Using ACAU

Refer to the *Cisco Aironet 802.11a/b/g Wireless LAN Client Adapters (CB21AG and PI21AG) Administration Utility Administrator Guide (OL-7086-04)* for instructions on using ACAU to set software installation options and configure user profiles.

Getting Bug Information on Cisco.com

If you are a Cisco registered user, you can use the Cisco TAC Software Bug Toolkit, which consists of three tools (Bug Navigator, Bug Watcher, and Search by Bug ID Number) that help you identify existing bugs (or caveats) in Cisco software products.

Access the TAC Software Bug Toolkit at the following URL:

http://cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl

Troubleshooting

For the most up-to-date, detailed troubleshooting information, refer to the Cisco TAC website at <http://www.cisco.com/en/US/support/index.html>

Click **Product Support** > **Wireless**. Then choose your product and **Troubleshooting** to find information on the problem you are experiencing.

Related Documentation

For more information about ACAU and the Cisco Aironet CB21AG and PI21AG client adapters, refer to the following documents:

- *Cisco Aironet 802.11a/b/g Wireless LAN Client Adapters (CB21AG and PI21AG) Administration Utility Administrator Guide (OL-7086-04)*—Provides instructions for installing ACAU 3.5 and using it to set software installation options and create configuration profiles for CB21AG and PI21AG client adapters.
http://www.cisco.com/en/US/products/hw/wireless/ps4555/prod_maintenance_guides_list.html
- *Cisco Aironet 802.11a/b/g Wireless LAN Client Adapters (CB21AG and PI21AG) Installation and Configuration Guide (OL-4211-06)*—Provides instructions for installing, configuring, and troubleshooting CB21AG and PI21AG client adapters on computers running the Microsoft Windows 2000 or XP operating system.
http://www.cisco.com/en/US/products/hw/wireless/ps4555/products_installation_and_configuration_guides_list.html

- *Release Notes for Cisco Aironet 802.11a/b/g Client Adapters (CB21AG and PI21AG) Install Wizard 3.5 (OL-12267 -01)*—Describes new features and open and resolved caveats in Install Wizard 3.5.
http://www.cisco.com/en/US/products/hw/wireless/ps4555/prod_release_notes_list.html

Obtaining Documentation

Cisco documentation and additional literature are available on Cisco.com. This section explains the product documentation resources that Cisco offers.

Cisco.com

You can access the most current Cisco documentation at this URL:

<http://www.cisco.com/techsupport>

You can access the Cisco website at this URL:

<http://www.cisco.com>

You can access international Cisco websites at this URL:

http://www.cisco.com/public/countries_languages.shtml

Product Documentation DVD

The Product Documentation DVD is a library of technical product documentation on a portable medium. The DVD enables you to access installation, configuration, and command guides for Cisco hardware and software products. With the DVD, you have access to the HTML documentation and some of the PDF files found on the Cisco website at this URL:

<http://www.cisco.com/univercd/home/home.htm>

The Product Documentation DVD is created and released regularly. DVDs are available singly or by subscription. Registered Cisco.com users can order a Product Documentation DVD (product number DOC-DOCDVD= or DOC-DOCDVD=SUB) from Cisco Marketplace at the Product Documentation Store at this URL:

<http://www.cisco.com/go/marketplace/docstore>

Ordering Documentation

You must be a registered Cisco.com user to access Cisco Marketplace. Registered users may order Cisco documentation at the Product Documentation Store at this URL:

<http://www.cisco.com/go/marketplace/docstore>

If you do not have a user ID or password, you can register at this URL:

<http://tools.cisco.com/RPF/register/register.do>

Documentation Feedback

You can provide feedback about Cisco technical documentation on the Cisco Support site area by entering your comments in the feedback form available in every online document.

Cisco Product Security Overview

Cisco provides a free online Security Vulnerability Policy portal at this URL:

http://www.cisco.com/en/US/products/products_security_vulnerability_policy.html

From this site, you will find information about how to do the following:

- Report security vulnerabilities in Cisco products
- Obtain assistance with security incidents that involve Cisco products
- Register to receive security information from Cisco

A current list of security advisories, security notices, and security responses for Cisco products is available at this URL:

<http://www.cisco.com/go/psirt>

To see security advisories, security notices, and security responses as they are updated in real time, you can subscribe to the Product Security Incident Response Team Really Simple Syndication (PSIRT RSS) feed. Information about how to subscribe to the PSIRT RSS feed is found at this URL:

http://www.cisco.com/en/US/products/products_psirt_rss_feed.html

Reporting Security Problems in Cisco Products

Cisco is committed to delivering secure products. We test our products internally before we release them, and we strive to correct all vulnerabilities quickly. If you think that you have identified a vulnerability in a Cisco product, contact PSIRT:

- For emergencies only — security-alert@cisco.com

An emergency is either a condition in which a system is under active attack or a condition for which a severe and urgent security vulnerability should be reported. All other conditions are considered nonemergencies.

- For nonemergencies — psirt@cisco.com

In an emergency, you can also reach PSIRT by telephone:

- 1 877 228-7302
- 1 408 525-6532



Tip

We encourage you to use Pretty Good Privacy (PGP) or a compatible product (for example, GnuPG) to encrypt any sensitive information that you send to Cisco. PSIRT can work with information that has been encrypted with PGP versions 2.x through 9.x.

Never use a revoked encryption key or an expired encryption key. The correct public key to use in your correspondence with PSIRT is the one linked in the Contact Summary section of the Security Vulnerability Policy page at this URL:

http://www.cisco.com/en/US/products/products_security_vulnerability_policy.html

The link on this page has the current PGP key ID in use.

If you do not have or use PGP, contact PSIRT to find other means of encrypting the data before sending any sensitive material.

Product Alerts and Field Notices

Modifications to or updates about Cisco products are announced in Cisco Product Alerts and Cisco Field Notices. You can receive these announcements by using the Product Alert Tool on Cisco.com. This tool enables you to create a profile and choose those products for which you want to receive information.

To access the Product Alert Tool, you must be a registered Cisco.com user. Registered users can access the tool at this URL:

<http://tools.cisco.com/Support/PAT/do/ViewMyProfiles.do?local=en>

To register as a Cisco.com user, go to this URL:

<http://tools.cisco.com/RPF/register/register.do>

Obtaining Technical Assistance

Cisco Technical Support provides 24-hour-a-day award-winning technical assistance. The Cisco Support website on Cisco.com features extensive online support resources. In addition, if you have a valid Cisco service contract, Cisco Technical Assistance Center (TAC) engineers provide telephone support. If you do not have a valid Cisco service contract, contact your reseller.

Cisco Support Website

The Cisco Support website provides online documents and tools for troubleshooting and resolving technical issues with Cisco products and technologies. The website is available 24 hours a day at this URL:

<http://www.cisco.com/en/US/support/index.html>

Access to all tools on the Cisco Support website requires a Cisco.com user ID and password. If you have a valid service contract but do not have a user ID or password, you can register at this URL:

<http://tools.cisco.com/RPF/register/register.do>



Note

Before you submit a request for service online or by phone, use the **Cisco Product Identification Tool** to locate your product serial number. You can access this tool from the Cisco Support website by clicking the **Get Tools & Resources** link, clicking the **All Tools (A-Z)** tab, and then choosing **Cisco Product Identification Tool** from the alphabetical list. This tool offers three search options: by product ID or model name; by tree view; or, for certain products, by copying and pasting **show** command output. Search results show an illustration of your product with the serial number label location highlighted. Locate the serial number label on your product and record the information before placing a service call.

**Tip****Displaying and Searching on Cisco.com**

If you suspect that the browser is not refreshing a web page, force the browser to update the web page by holding down the Ctrl key while pressing **F5**.

To find technical information, narrow your search to look in technical documentation, not the entire Cisco.com website. After using the Search box on the Cisco.com home page, click the **Advanced Search** link next to the Search box on the resulting page and then click the **Technical Support & Documentation** radio button.

To provide feedback about the Cisco.com website or a particular technical document, click **Contacts & Feedback** at the top of any Cisco.com web page.

Submitting a Service Request

Using the online TAC Service Request Tool is the fastest way to open S3 and S4 service requests. (S3 and S4 service requests are those in which your network is minimally impaired or for which you require product information.) After you describe your situation, the TAC Service Request Tool provides recommended solutions. If your issue is not resolved using the recommended resources, your service request is assigned to a Cisco engineer. The TAC Service Request Tool is located at this URL:

<http://www.cisco.com/techsupport/servicerequest>

For S1 or S2 service requests, or if you do not have Internet access, contact the Cisco TAC by telephone. (S1 or S2 service requests are those in which your production network is down or severely degraded.) Cisco engineers are assigned immediately to S1 and S2 service requests to help keep your business operations running smoothly.

To open a service request by telephone, use one of the following numbers:

Asia-Pacific: +61 2 8446 7411

Australia: 1 800 805 227

EMEA: +32 2 704 55 55

USA: 1 800 553 2447

For a complete list of Cisco TAC contacts, go to this URL:

<http://www.cisco.com/techsupport/contacts>

Definitions of Service Request Severity

To ensure that all service requests are reported in a standard format, Cisco has established severity definitions.

Severity 1 (S1)—An existing network is “down” or there is a critical impact to your business operations. You and Cisco will commit all necessary resources around the clock to resolve the situation.

Severity 2 (S2)—Operation of an existing network is severely degraded, or significant aspects of your business operations are negatively affected by inadequate performance of Cisco products. You and Cisco will commit full-time resources during normal business hours to resolve the situation.

Severity 3 (S3)—Operational performance of the network is impaired while most business operations remain functional. You and Cisco will commit resources during normal business hours to restore service to satisfactory levels.

Severity 4 (S4)—You require information or assistance with Cisco product capabilities, installation, or configuration. There is little or no effect on your business operations.

Obtaining Additional Publications and Information

Information about Cisco products, technologies, and network solutions is available from various online and printed sources.

- The Cisco Online Subscription Center is the website where you can sign up for a variety of Cisco e-mail newsletters and other communications. Create a profile and then select the subscriptions that you would like to receive. To visit the Cisco Online Subscription Center, go to this URL:

<http://www.cisco.com/offer/subscribe>

- The *Cisco Product Quick Reference Guide* is a handy, compact reference tool that includes brief product overviews, key features, sample part numbers, and abbreviated technical specifications for many Cisco products that are sold through channel partners. It is updated twice a year and includes the latest Cisco channel product offerings. To order and find out more about the *Cisco Product Quick Reference Guide*, go to this URL:

<http://www.cisco.com/go/guide>

- Cisco Marketplace provides a variety of Cisco books, reference guides, documentation, and logo merchandise. Visit Cisco Marketplace, the company store, at this URL:

<http://www.cisco.com/go/marketplace/>

- Cisco Press publishes a wide range of general networking, training, and certification titles. Both new and experienced users will benefit from these publications. For current Cisco Press titles and other information, go to Cisco Press at this URL:

<http://www.ciscopress.com>

- *Internet Protocol Journal* is a quarterly journal published by Cisco for engineering professionals involved in designing, developing, and operating public and private internets and intranets. You can access the *Internet Protocol Journal* at this URL:

<http://www.cisco.com/ipj>

- Networking products offered by Cisco, as well as customer support services, can be obtained at this URL:

<http://www.cisco.com/en/US/products/index.html>

- Networking Professionals Connection is an interactive website where networking professionals share questions, suggestions, and information about networking products and technologies with Cisco experts and other networking professionals. Join a discussion at this URL:

<http://www.cisco.com/discuss/networking>

- “What’s New in Cisco Documentation” is an online publication that provides information about the latest documentation releases for Cisco products. Updated monthly, this online publication is organized by product category to direct you quickly to the documentation for your products. You can view the latest release of “What’s New in Cisco Documentation” at this URL:

<http://www.cisco.com/univercd/cc/td/doc/abtnicd/136957.htm>

- World-class networking training is available from Cisco. You can view current offerings at this URL:

<http://www.cisco.com/en/US/learning/index.html>

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