



Release Notes for Cisco Aironet 802.11a/b/g (CB21AG and PI21AG) Client Administration Utility (ACAU) Version 2.1

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These release notes describe caveats for the Aironet Client Adapters Administration Utility (ACAU) version 2.1.

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Introduction

ACAU is a utility used by administrators to configure administrative overrides and create profiles for users who install CB21AG and PI21AG wireless client adapters in PCs running Windows 2000 or Windows XP operating systems. The overrides and profiles are stored in configuration files that are loaded into the Aironet Desktop Utility (ADU) Install Wizard. After a user installs the drivers and ADU for their client adapter, the Install Wizard uses the instructions in the configuration file to preconfigure ADU user settings and load one or more user profiles.

Using ACAU, an administrator can perform the following operations:

- Determine and configure the setup options for the ADU software
- Set ADU user functions
- Create preconfigured user profiles for a user or group of users

System Requirements

Generally, the system requirements for ACAU are the same as the client adapter:

- 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
- 20 MB of free hard disk space (minimum)
- 128 MB of RAM or greater (recommended)
- If the wireless network uses EAP-TLS or PEAP authentication, the following must be on the user's PC:
 - Certificate of Authority (CA) and user certificates for EAP-TLS authentication or CA certificate for PEAP authentication
- If the wireless network uses PEAP (EAP-GTC) authentication with a One-Time Password (OTP) user database, the following must be on the user's PC:
 - A hardware token device from OTP vendors or Secure Computing SoftToken program (release 2.1 or later)
 - Your hardware or software token password
- The Microsoft 802.1X supplicant, if your client adapter is installed on a Windows 2000 device and uses PEAP (EAP-MSCHAPV2) with machine authentication.
- All necessary devices (such as access points, servers, gateways, user databases, etc.) must be properly configured for any authentication type you plan to enable on a client.

New Features

The following new features have been incorporated in version 2.1:

- Support for EAP-FAST Authentication
- Support for Domain Logon with EAP-TLS
- Support for WiFi Protected Access 2 (WPA2)
- CCKM Fast Secure Roaming Supported with All EAP Types
- Support for Wi-Fi Multimedia

New Site Survey Utility

A site survey utility is now available for the CB21AG and PI21AG client adapters. The utility, which is designed to be used by people responsible for conducting a site survey, is useful in determining the best placement of infrastructure devices within a wireless network. The utility is a stand-alone application, separate from ADU, that runs from an executable file. If you check the Install Cisco Aironet Site Survey Utility check box during installation of Install Wizard 2.1, the site survey executable file is installed in the C:\Program Files\Cisco Aironet directory (unless you specify a different directory).

During a site survey, the current status of the network is read from the client adapter, and the status display is updated four times per second so you can accurately gauge network performance. The feedback that you receive can help you to eliminate areas of low RF signal levels that can result in a loss of connection between the client adapter and its associated access point (or other infrastructure device).

To open the site survey utility, choose **Start > Programs > Cisco Aironet > Aironet Site Survey Utility**. (If you specify a different program folder during installation, you must access the site survey utility from that folder.)



Note

The site survey utility is supported for use with only CB21AG and PI21AG client adapters.



Note

Refer to Appendix F of the *Cisco Aironet 802.11a/b/g Wireless LAN Client Adapters (CB21AG and PI21AG) Installation and Configuration Guide* (part number OL-4211-03) for more information on the site survey utility.

Important Notes

Cisco Aironet Software Requires Completion of Encryption Authorization Form

In order to access Cisco Aironet software from the Software Center on Cisco.com, you must now fill out a form to receive authorization to download encrypted software. Registered Cisco.com users are required to fill out the form only once, while public users must do so once for each session, each time software is downloaded. A form is automatically created for public users. The form for Registered Cisco.com users is located at the following URL: https://www.cisco.com/cgi-bin//Software/Crypto/crypto_main.pl.

Software Compatibility

ACAU version 2.1 supports the following products:

- **PC-Cardbus card** (model number: AIR-CB21AG)
- **PCI card** (model number: AIR-PI21AG)

Obtaining ACAU Software

To obtain the latest ACAU software from the Cisco Web site, follow these steps:

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- Step 1** Use your web browser to go to the Cisco Software Center at the following URL:
<http://www.cisco.com/public/sw-center/sw-wireless.shtml>
 - Step 2** Choose **Option #2: Aironet Wireless Software Display Tables**.
 - Step 3** Choose **Cisco Aironet Wireless LAN Client Adapters**.
 - Step 4** Scroll down to the Windows System Administration Tool and choose **Aironet Client Administration Utility (CB21AG and PI21AG)**. The Software Download page appears.
 - Step 5** Click **ACAU-vxxx.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. The Software Download page appears.
 - Step 8** Click **ACAU-vxxxx.exe**.
 - Step 9** Save the file to a folder you specify.
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Installing ACAU Software

This section describes a typical installation process when you are installing the ACAU on your PC for the first time.



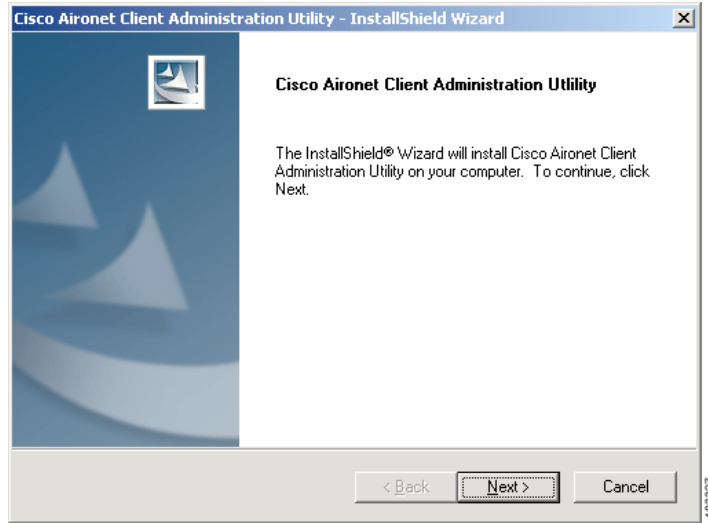
Note

The steps below describe the installation process using Windows 2000. The installation screens for Windows XP differ slightly, but the installation process is the same.

Follow the steps below to install ACAU on your PC for the first time:

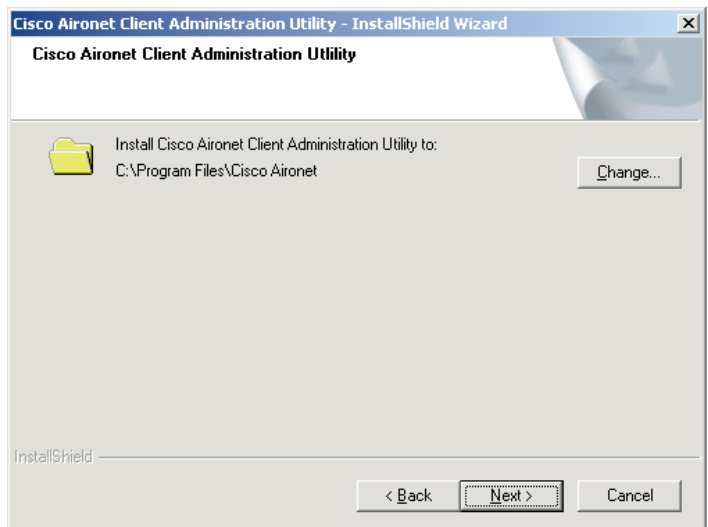
-
- Step 1** On the Windows taskbar Click **Start > Run**. The Run window appears.
 - Step 2** Browse to the location from which you downloaded the software.
 - Step 3** Click **Setup.exe**.
 - Step 4** Click **Open**. The Run window reappears showing the path you specified in Step 2.
 - Step 5** Click **OK**. The ACAU - InstallShield Wizard window appears ([Figure 1](#)).

Figure 1 ACAU - InstallShield Wizard Window



Step 6 Click **Next**. The next installation window appears showing you the default location to which the ACAU will be installed (Figure 2).

Figure 2 ACAU installation location Window

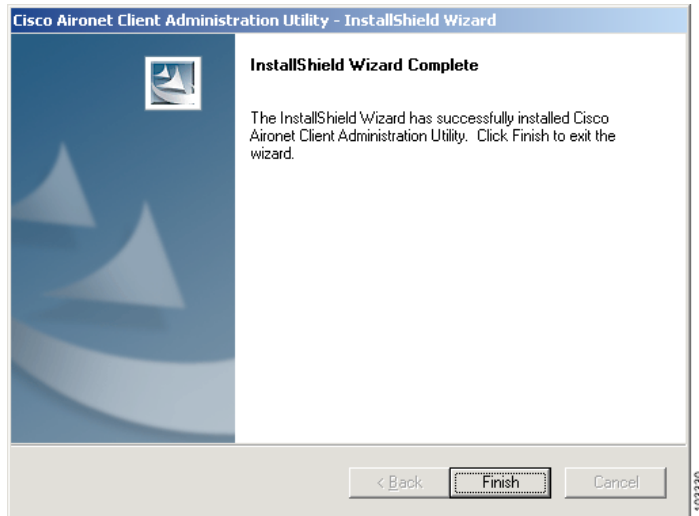


Note If you want to change the default location, click **Change** and browse to the location of your choice, select it, and click **Next**.

Step 7 Click **Next** to accept the default location and begin the installation process.

Step 8 When the ACAU is installed, the Installation Wizard Complete window appears (Figure 3).

Figure 3 *Installation Wizard Complete Window*



Step 9 Click **Finish**. The installation is complete.

Finding the Software Version

Follow these steps to find the ACAU software version:

- Step 1** Open ACAU. The Cisco Aironet Client Administration Utility Window appears.
 - Step 2** Click **Help**.
 - Step 3** From the drop down menu, click **About...** The About ACAU window containing the version number appears.
 - Step 4** Click **OK** to return to the Cisco Aironet Client Administration Utility Window.
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Limitations and Restrictions

Compatibility with Client Adapters

ACAU is compatible with the Cisco Aironet CB21AG and PI21AG client adapters. The ACAU software is incompatible with other Cisco Aironet client adapter software.

The Aironet Desktop Utility (ADU) must be used with CB21AG and PI21AG cards, and the Aironet Client Utility (ACU) must be used with all other Cisco Aironet client adapters.

Silent Install Reboot Options

Version 1.0 does not provide a reboot option when a silent installation is selected in the Global Settings section. Regardless of the type of installation selected in ACAU, the user is always prompted to click **OK** to reboot the system. Future ACAU versions will provide a silent install reboot option.

Caveats

This section lists open software issues in ACAU version 2.1.

Open Caveats

There are no significant open caveats in ACAU version 2.1.

Resolved Caveats

The following caveats have been resolved in version 2.1:

CSCed01662—Profile created in ACAU now appends to existing profile in *ciscoadminconfig.dat* file.

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

Related Documentation

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

- *Cisco Aironet 802.11a/b/g Wireless LAN Client Adapters (CB21AG and PI21AG) Installation and Configuration Guide*
- *Cisco Aironet 802.11a/b/g Wireless LAN Client Adapters (CB21AG and PI21AG) Administration Utility Administrator Guide*

These documents are available at Cisco.com:

<http://www.cisco.com/univercd/cc/td/doc/product/wireless/cb21ag/acau/index.htm>

Obtaining Documentation

Cisco documentation and additional literature are available on Cisco.com. Cisco also provides several ways to obtain technical assistance and other technical resources. These sections explain how to obtain technical information from Cisco Systems.

Cisco.com

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

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

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

Documentation DVD

Cisco documentation and additional literature are available in a Documentation DVD package, which may have shipped with your product. The Documentation DVD is updated regularly and may be more current than printed documentation. The Documentation DVD package is available as a single unit.

Registered Cisco.com users (Cisco direct customers) can order a Cisco Documentation DVD (product number DOC-DOCDVD=) from the Ordering tool or Cisco Marketplace.

Cisco Ordering tool:

<http://www.cisco.com/en/US/partner/ordering/>

Cisco Marketplace:

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

Ordering Documentation

You can find instructions for ordering documentation at this URL:

http://www.cisco.com/univercd/cc/td/doc/es_inpck/pdi.htm

You can order Cisco documentation in these ways:

- Registered Cisco.com users (Cisco direct customers) can order Cisco product documentation from the Ordering tool:

<http://www.cisco.com/en/US/partner/ordering/>

- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco Systems Corporate Headquarters (California, USA) at 408 526-7208 or, elsewhere in North America, by calling 1 800 553-NETS (6387).

Documentation Feedback

You can send comments about technical documentation to bug-doc@cisco.com.

You can submit comments by using the response card (if present) behind the front cover of your document or by writing to the following address:

Cisco Systems
Attn: Customer Document Ordering
170 West Tasman Drive
San Jose, CA 95134-9883

We appreciate your comments.

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 can perform these tasks:

- 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 and notices for Cisco products is available at this URL:

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

If you prefer to see advisories and notices as they are updated in real time, you can access a Product Security Incident Response Team Really Simple Syndication (PSIRT RSS) feed from 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 might have identified a vulnerability in a Cisco product, contact PSIRT:

- Emergencies—security-alert@cisco.com
- Nonemergencies—psirt@cisco.com



Tip

We encourage you to use Pretty Good Privacy (PGP) or a compatible product to encrypt any sensitive information that you send to Cisco. PSIRT can work from encrypted information that is compatible with PGP versions 2.x through 8.x.

Never use a revoked or an expired encryption key. The correct public key to use in your correspondence with PSIRT is the one that has the most recent creation date in this public key server list:

<http://pgp.mit.edu:11371/pks/lookup?search=psirt%40cisco.com&op=index&exact=on>

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

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

Obtaining Technical Assistance

For all customers, partners, resellers, and distributors who hold valid Cisco service contracts, Cisco Technical Support provides 24-hour-a-day, award-winning technical assistance. The Cisco Technical Support Website on Cisco.com features extensive online support resources. In addition, Cisco Technical Assistance Center (TAC) engineers provide telephone support. If you do not hold a valid Cisco service contract, contact your reseller.

Cisco Technical Support Website

The Cisco Technical 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, 365 days a year, at this URL:

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

Access to all tools on the Cisco Technical 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**

Use the Cisco Product Identification (CPI) tool to locate your product serial number before submitting a web or phone request for service. You can access the CPI tool from the Cisco Technical Support Website by clicking the **Tools & Resources** link under Documentation & Tools. Choose **Cisco Product Identification Tool** from the Alphabetical Index drop-down list, or click the **Cisco Product Identification Tool** link under Alerts & RMAs. The CPI 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.

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 TAC 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 TAC 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)—Your 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 operation 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 your network is impaired, but 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.

- Cisco Marketplace provides a variety of Cisco books, reference guides, 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>

- *Packet* magazine is the Cisco Systems technical user magazine for maximizing Internet and networking investments. Each quarter, Packet delivers coverage of the latest industry trends, technology breakthroughs, and Cisco products and solutions, as well as network deployment and troubleshooting tips, configuration examples, customer case studies, certification and training information, and links to scores of in-depth online resources. You can access Packet magazine at this URL:

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

- *iQ Magazine* is the quarterly publication from Cisco Systems designed to help growing companies learn how they can use technology to increase revenue, streamline their business, and expand services. The publication identifies the challenges facing these companies and the technologies to help solve them, using real-world case studies and business strategies to help readers make sound technology investment decisions. You can access iQ Magazine at this URL:

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

- *Internet Protocol Journal* is a quarterly journal published by Cisco Systems 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>

- 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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