



Preface

The preface provides an overview of this guide, references related publications, and explains how to obtain other documentation and technical assistance, if necessary.

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Audience

This publication is for the person responsible for installing, configuring, and maintaining a Cisco Aironet IEEE 802.11a/b/g Wireless LAN Client Adapter (CB21AG or PI21AG) on a computer that is running the Microsoft Windows Vista operating system. This person should understand Windows Vista and should be familiar with computing devices, network terms, and concepts.

Purpose

This publication describes the Cisco Aironet CB21AG and PI21AG client adapters on devices that are running Windows Vista.



Caution

This guide pertains specifically to Cisco Aironet CB21AG and PI21AG client adapters on devices that are running Windows Vista. For information about the Cisco Aironet CB21AG and PI21AG on devices that are running Windows XP or Cisco Aironet 340, 350, and CB20A wireless LAN client adapters, refer to the appropriate guides at this URL:

http://www.cisco.com/en/US/products/hw/wireless/ps4555/tsd_products_support_series_home.html

Organization

This publication contains the following chapters:

- [Chapter 1, “Product Overview and Installation,”](#) describes the Cisco Aironet CB21AG and PI21AG client adapters and their role in a wireless network. This chapter also provides information that you need to know before installing a client adapter and instructions for installing the client adapter hardware and software.
- [Chapter 2, “Configuring Wireless Profiles,”](#) explains how to use the Microsoft Vista Network and Sharing Center to create and manage profiles for your client adapter.
- [Chapter 3, “Configuring EAP Types,”](#) explains the Cisco EAP types that are used for authentication to wireless networks.
- [Chapter 4, “Performing Administrative Tasks,”](#) explains how to obtain Microsoft administrative tools to distribute wireless profiles to users and computers in an Active Directory environment. This chapter also provides the XML schemas for EAP-FAST, LEAP, and PEAP-GTC.
- [Chapter 5, “Routine Procedures,”](#) provides procedures for common tasks related to the client adapter.
- [Chapter 6, “Troubleshooting and Diagnostics,”](#) provides information about diagnosing problems that might occur when you try to operate the client adapter.
- [Appendix A, “EAP Messages,”](#) describes EAP-FAST, PEAP-GTC and LEAP error messages and prompts. This appendix also provides guidelines for creating strong passwords.
- [Appendix B, “Technical Specifications,”](#) provides technical specifications for the Cisco Aironet CB21AG and PI21AG Wireless LAN Client Adapters.
- [Appendix C, “Translated Safety Warnings,”](#) provides translations of the safety warnings that appear in this publication. The second warning pertains to the PI21AG client adapter, and the third warning pertains to the CB21AG client adapter.
- [Appendix D, “Declarations of Conformity and Regulatory Information,”](#) provides declarations of conformity and regulatory information for the Cisco Aironet CB21AG and PI21AG Wireless LAN client adapters.
- [Appendix E, “Channels, Power Levels, and Antenna Gains,”](#) lists the IEEE 802.11a, b, and g channels supported by the world's regulatory domains as well as the maximum power levels and antenna gains allowed per data rate.
- [Appendix F, “Acknowledgments and Licensing,”](#) provides information about open-source software that is used in the Cisco EAP modules.
- [Appendix G, “Abbreviations,”](#) includes commonly used abbreviations.

Conventions

This publication uses the following conventions to convey instructions and information:

- Commands are in **boldface**.
- Variables are in *italics*.
- Configuration parameters are capitalized.
- Notes, cautions, and warnings use the following conventions and symbols:

**Note**

Means *reader take note*. Notes contain helpful suggestions or references to materials not contained in this manual.

**Caution**

Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

**Warning**

This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. (To see translations of the warnings that appear in this publication, refer to the appendix "Translated Safety Warnings.")

Waarschuwing

Dit waarschuwingssymbool betekent gevaar. U verkeert in een situatie die lichamelijk letsel kan veroorzaken. Voordat u aan enige apparatuur gaat werken, dient u zich bewust te zijn van de bij elektrische schakelingen betrokken risico's en dient u op de hoogte te zijn van standaard maatregelen om ongelukken te voorkomen. (Voor vertalingen van de waarschuwingen die in deze publicatie verschijnen, kunt u het aanhangsel "Translated Safety Warnings" (Vertalingen van veiligheidsvoorschriften) raadplegen.)

Varoitus

Tämä varoitusmerkki merkitsee vaaraa. Olet tilanteessa, joka voi johtaa ruumiinvammaan. Ennen kuin työskentelet minkään laitteiston parissa, ota selvää sähkökytkentöihin liittyvistä vaaroista ja tavanomaisista onnettomuuksien ehkäisykeinoista. (Tässä julkaisussa esiintyvien varoitusten käännökset löydät liitteestä "Translated Safety Warnings" (käännetyt turvallisuutta koskevat varoitukset).)

Attention

Ce symbole d'avertissement indique un danger. Vous vous trouvez dans une situation pouvant entraîner des blessures. Avant d'accéder à cet équipement, soyez conscient des dangers posés par les circuits électriques et familiarisez-vous avec les procédures courantes de prévention des accidents. Pour obtenir les traductions des mises en garde figurant dans cette publication, veuillez consulter l'annexe intitulée « Translated Safety Warnings » (Traduction des avis de sécurité).

Warnung

Dieses Warnsymbol bedeutet Gefahr. Sie befinden sich in einer Situation, die zu einer Körperverletzung führen könnte. Bevor Sie mit der Arbeit an irgendeinem Gerät beginnen, seien Sie sich der mit elektrischen Stromkreisen verbundenen Gefahren und der Standardpraktiken zur Vermeidung von Unfällen bewusst. (Übersetzungen der in dieser Veröffentlichung enthaltenen Warnhinweise finden Sie im Anhang mit dem Titel "Translated Safety Warnings" (Übersetzung der Warnhinweise).)

Avvertenza

Questo simbolo di avvertenza indica un pericolo. Si è in una situazione che può causare infortuni. Prima di lavorare su qualsiasi apparecchiatura, occorre conoscere i pericoli relativi ai circuiti elettrici ed essere al corrente delle pratiche standard per la prevenzione di incidenti. La traduzione delle avvertenze riportate in questa pubblicazione si trova nell'appendice, "Translated Safety Warnings" (Traduzione delle avvertenze di sicurezza).

- Advarsel** Dette varselsymbolet betyr fare. Du befinner deg i en situasjon som kan føre til personskade. Før du utfører arbeid på utstyr, må du være oppmerksom på de faremomentene som elektriske kretser innebærer, samt gjøre deg kjent med vanlig praksis når det gjelder å unngå ulykker. (Hvis du vil se oversettelser av de advarslene som finnes i denne publikasjonen, kan du se i vedlegget "Translated Safety Warnings" [Oversatte sikkerhetsadvarsler].)
- Aviso** Este símbolo de aviso indica perigo. Encontra-se numa situação que lhe poderá causar danos físicos. Antes de começar a trabalhar com qualquer equipamento, familiarize-se com os perigos relacionados com circuitos eléctricos, e com quaisquer práticas comuns que possam prevenir possíveis acidentes. (Para ver as traduções dos avisos que constam desta publicação, consulte o apêndice "Translated Safety Warnings" - "Traduções dos Avisos de Segurança").
- ¡Advertencia!** Este símbolo de aviso significa peligro. Existe riesgo para su integridad física. Antes de manipular cualquier equipo, considerar los riesgos que entraña la corriente eléctrica y familiarizarse con los procedimientos estándar de prevención de accidentes. (Para ver traducciones de las advertencias que aparecen en esta publicación, consultar el apéndice titulado "Translated Safety Warnings.")
- Varning!** Denna varningssymbol signalerar fara. Du befinner dig i en situation som kan leda till personskada. Innan du utför arbete på någon utrustning måste du vara medveten om farorna med elkretsar och känna till vanligt förfarande för att förebygga skador. (Se förklaringar av de varningar som förekommer i denna publikation i appendix "Translated Safety Warnings" [Översatta säkerhetsvarningar].)

Related Publications

Release notes for Cisco Aironet 802.11a/b/g client adapters (CB21AG and PI21AG) for Windows Vista are located at this URL:

http://www.cisco.com/en/US/products/hw/wireless/ps4555/prod_release_notes_list.html

For more information about related Cisco Aironet products, refer to the publications for your infrastructure device. You can find Cisco Aironet technical documentation at this URL:

http://www.cisco.com/en/US/products/hw/wireless/tsd_products_support_category_home.html

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>