

Release Notes for Cisco Aironet Workgroup Bridges Running Firmware Version 8.58_2

February 12, 2002

These release notes describe features and caveats for Cisco Aironet 340 and 350 Series Workgroup Bridges running firmware release 8.58_2. These release notes also contain important information about the device.

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Introduction

Workgroup bridges are small, standalone units that provide wireless infrastructure connections for Ethernet-enabled devices. A device connected to a bridge communicates with a network infrastructure through Cisco Aironet access points.

The bridge connects to a hub through a standard Ethernet port using a 10BASE-T/RJ-45 (twisted pair) connector, and up to eight client devices can be connected to the hub. You can use an Internet browser or Telnet to configure the bridge.

The bridge communicates with Cisco Aironet access points, but it does not communicate with wireless networking devices manufactured by other companies.

System Requirements

Minimum Firmware Version Required on Access Points

Access points with which the bridge associates must contain firmware version 11.05 or later.

Determining the Firmware Version on the Access Point

The firmware version number appears in the upper-left corner of most access point management screens in the browser interface and at the top of the home (Summary Status) page in the command-line interfaces.

Upgrading to a New Access Point Firmware Release

For instructions on installing access point firmware:

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- Step 1** Click on the following link to go to the Cisco Aironet documentation home page on CCO:
<http://www.cisco.com/univercd/cc/td/doc/product/wireless/index.htm>
- Step 2** Follow this path to go to the product, document and chapter:
Aironet 350 Series Wireless LAN Products > Cisco Aironet 350 Series Access Points > Cisco Aironet Access Point Software Configuration Guide > Maintaining Firmware > Updating Firmware

**Note**

To upgrade firmware from a file server, you must enter settings on the access point's FTP Server Setup page. Consult the *Cisco Aironet Access Point Software Configuration Guide* for more information.

New and Changed Information

These release notes incorporate information pertaining to both the 340 series and 350 series bridges. Information applying specifically to the 340 series bridge is identified as such.

New Software Features in Release 8.58_2

There are no new features in this release.

Installation Notes

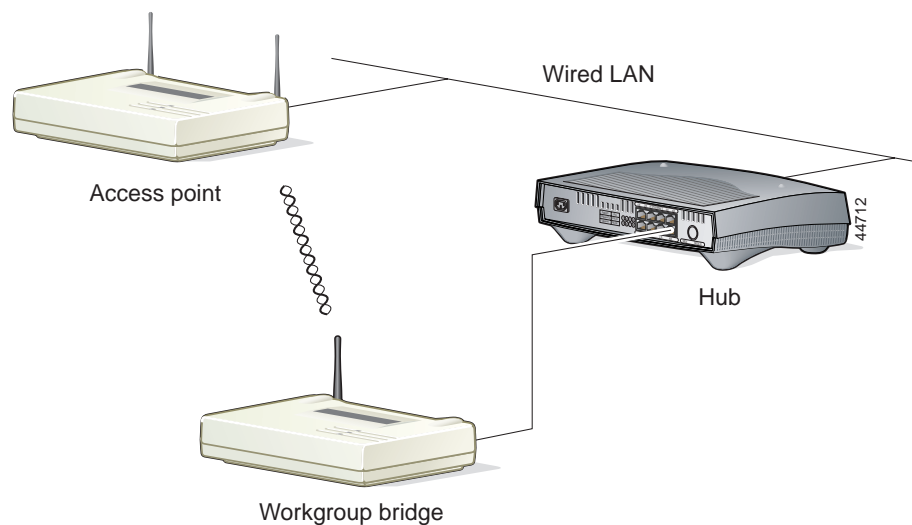
Verify Mounting Hole Measurement

If you make a photocopy of the mounting template (included in the *Mounting Instructions for the Cisco Aironet Access Points, Base Stations, and Workgroup Bridges*), make sure that the distance between the holes is 4 3/4 in. (12.06 cm) before you drill the holes. Some photocopy machines do not make exact duplicates of the original.

Bridge Loop May Occur with Incorrect Network Topology

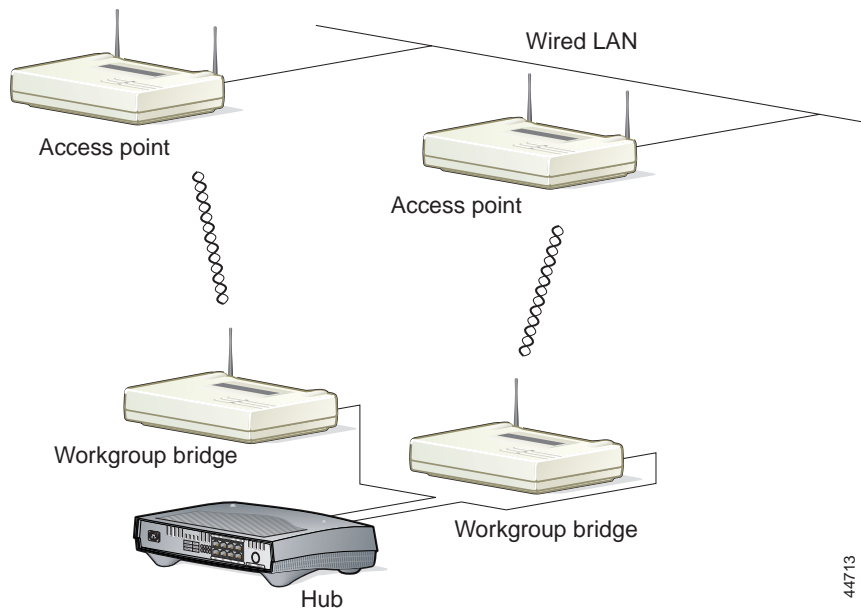
If the bridge is connected to the wired LAN and is communicating with an access point on the same LAN, a network problem known as a *bridge loop* can occur. Avoid a bridge loop by disconnecting the bridge from the wired LAN immediately after you configure it. Figure 1 shows the network configuration in which the loop occurs.

Figure 1 Bridge Loop Caused by a Bridge Connected to the Wired LAN



A bridge loop can also occur if two or more bridges are connected to the same remote hub. To prevent this bridge loop, always connect only one bridge to a remote hub. Figure 2 shows the network configuration in which the loop occurs.

Figure 2 Bridge Loop Caused by Two Bridges on the Same Remote Hub



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Caveats

Resolved Caveats

The following caveat has been resolved in firmware version 8.58_2:

- Resolved: CSCdw63264. An error can occur with management protocol processing. Please use this URL for further information:

<http://www.cisco.com/cgi-bin/bugtool/onebug.pl?bugid=CSCdw63264>

Getting Bug Information on Cisco.com

If you are a Cisco.com 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 to identify existing bugs (or caveats) in Cisco software products.

Access the TAC Software Bug Toolkit at <http://www.cisco.com/support/bugtools/>.

Open Caveats

This section describes known issues for firmware version release 8.58 and earlier.

DHCP ON with Static IP Address Causes Bridge to Lose Association with Access Point

- CSCdt50434

If an IP address is statically assigned, DHCP is not automatically disabled when using the web interface. With DHCP enabled, the bridge boots using the assigned IP address as expected. However, the bridge intermittently loses communication with the access point.

The association table on the access point shows a question mark (?) beside the IP address of the bridge. Eventually, the association table shows the IP address as 0.0.0.0.

Workaround: Disable DHCP on the bridge.

SMIC Errors Compiling Cisco Aironet MIBs

- CSCdr93580

When using SMIC (the compiler Cisco uses to test MIBs), the Cisco Aironet MIB does not compile without errors. SMIC displays a message indicating that “0” cannot be used as an enumerated value and prevents the MIB from being posted on CCO.

Workaround: The TAC will provide the MIB by email on request.

Obtaining Documentation

The following sections explain how to obtain documentation from Cisco Systems.

World Wide Web

You can access the most current Cisco documentation on the World Wide Web at the following URL:

<http://www.cisco.com>

Translated documentation is available at the following URL:

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

Documentation CD-ROM

Cisco documentation and additional literature are available in a Cisco Documentation CD-ROM package, which is shipped with your product. The Documentation CD-ROM is updated monthly and may be more current than printed documentation. The CD-ROM package is available as a single unit or through an annual subscription.

Ordering Documentation

Cisco documentation is available in the following ways:

- Registered Cisco Direct Customers can order Cisco product documentation from the Networking Products Marketplace:
http://www.cisco.com/cgi-bin/order/order_root.pl
- Registered Cisco.com users can order the Documentation CD-ROM through the online Subscription Store:
<http://www.cisco.com/go/subscription>
- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco corporate headquarters (California, USA) at 408 526-7208 or, elsewhere in North America, by calling 800 553-NETS (6387).

Documentation Feedback

If you are reading Cisco product documentation on Cisco.com, you can submit technical comments electronically. Click **Leave Feedback** at the bottom of the Cisco Documentation home page. After you complete the form, print it out and fax it to Cisco at 408 527-0730.

You can e-mail your comments to bug-doc@cisco.com.

To submit your comments by mail, use the response card behind the front cover of your document, or write to the following address:

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

We appreciate your comments.

Obtaining Technical Assistance

Cisco provides Cisco.com as a starting point for all technical assistance. Customers and partners can obtain documentation, troubleshooting tips, and sample configurations from online tools by using the Cisco Technical Assistance Center (TAC) Web Site. Cisco.com registered users have complete access to the technical support resources on the Cisco TAC Web Site.

Cisco.com

Cisco.com is the foundation of a suite of interactive, networked services that provides immediate, open access to Cisco information, networking solutions, services, programs, and resources at any time, from anywhere in the world.

Cisco.com is a highly integrated Internet application and a powerful, easy-to-use tool that provides a broad range of features and services to help you to

- Streamline business processes and improve productivity
- Resolve technical issues with online support

- Download and test software packages
- Order Cisco learning materials and merchandise
- Register for online skill assessment, training, and certification programs

You can self-register on Cisco.com to obtain customized information and service. To access Cisco.com, go to the following URL:

<http://www.cisco.com>

Technical Assistance Center

The Cisco TAC is available to all customers who need technical assistance with a Cisco product, technology, or solution. Two types of support are available through the Cisco TAC: the Cisco TAC Web Site and the Cisco TAC Escalation Center.

Inquiries to Cisco TAC are categorized according to the urgency of the issue:

- Priority level 4 (P4)—You need information or assistance concerning Cisco product capabilities, product installation, or basic product configuration.
- Priority level 3 (P3)—Your network performance is degraded. Network functionality is noticeably impaired, but most business operations continue.
- Priority level 2 (P2)—Your production network is severely degraded, affecting significant aspects of business operations. No workaround is available.
- Priority level 1 (P1)—Your production network is down, and a critical impact to business operations will occur if service is not restored quickly. No workaround is available.

Which Cisco TAC resource you choose is based on the priority of the problem and the conditions of service contracts, when applicable.

Cisco TAC Web Site

The Cisco TAC Web Site allows you to resolve P3 and P4 issues yourself, saving both cost and time. The site provides around-the-clock access to online tools, knowledge bases, and software. To access the Cisco TAC Web Site, go to the following URL:

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

All customers, partners, and resellers who have a valid Cisco services contract have complete access to the technical support resources on the Cisco TAC Web Site. The Cisco TAC Web Site requires a Cisco.com login ID and password. If you have a valid service contract but do not have a login ID or password, go to the following URL to register:

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

If you cannot resolve your technical issues by using the Cisco TAC Web Site, and you are a Cisco.com registered user, you can open a case online by using the TAC Case Open tool at the following URL:

<http://www.cisco.com/tac/caseopen>

If you have Internet access, it is recommended that you open P3 and P4 cases through the Cisco TAC Web Site.

Cisco TAC Escalation Center

The Cisco TAC Escalation Center addresses issues that are classified as priority level 1 or priority level 2; these classifications are assigned when severe network degradation significantly impacts business operations. When you contact the TAC Escalation Center with a P1 or P2 problem, a Cisco TAC engineer will automatically open a case.

To obtain a directory of toll-free Cisco TAC telephone numbers for your country, go to the following URL:

<http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml>

Before calling, please check with your network operations center to determine the level of Cisco support services to which your company is entitled; for example, SMARTnet, SMARTnet Onsite, or Network Supported Accounts (NSA). In addition, please have available your service agreement number and your product serial number.

This document is to be used in conjunction with the documents listed in the “[Obtaining Documentation](#)” section.



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