



Release Notes for Cisco Aironet Conversion Upgrade Image 3.0 for Cisco IOS Software

April 15, 2004

These release notes describe features and caveats for the Cisco Aironet Conversion Upgrade Image 3.0 for Cisco IOS software for Cisco Aironet 1200 Series Access Points. This Upgrade Image converts a 1200 series access point system from VxWorks to Cisco IOS Release 12.2(11)JA3.

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Introduction

The Cisco IOS Conversion Upgrade Image for Cisco Aironet 1200 Series Access Points converts a 1200 series access point from VxWorks to Cisco IOS Release 12.2(11)JA3. For more information on features and caveats in this release, click this link to browse to the release notes for Cisco IOS Release 12.2(11)JA3:

<http://www.cisco.com/en/US/docs/wireless/bridge/1400/release/notes/rn13ja2.html>

When you use the upgrade image with the Cisco Aironet Conversion Tool for Cisco IOS Software, the upgrade image and the conversion tool maintain the access point configuration while converting the access point to Cisco IOS software. When you load the upgrade image onto an access point without using the conversion tool, the upgrade image converts the access point to Cisco IOS software with all settings at factory defaults.

System Requirements

To successfully complete the upgrade process, your 1200 series access point must meet these requirements:

- Your access point must be running VxWorks version 12.03T, 12.02T1, 12.01T1, 12.00T, 11.23T, or 11.21.



Note The upgrade image and the conversion tool do not support VxWorks version 12.04. Access points running version 12.04 must be downgraded to a supported operating system version before you can use the upgrade image or the conversion tool.

- Your access point must have at least 4 MB of free memory. Complete these steps to ensure that the access point has enough free memory:
 - Set the **Maximum memory reserved for Detailed Event Trace Buffer (bytes)** setting on the Event Handling Setup page to **0**.
 - If your access point runs a .ini configuration file acquired by using the **Download All System Configuration** option, replace the configuration with a .ini file acquired by using the **Download Non-Default System Configuration** option.




Note This version of the upgrade image is supported on 1200 series access points only. To upgrade a 350 series access point to Cisco IOS, use version 2.0 of the conversion image. Cisco Aironet 340 Series Access Points do not support Cisco IOS software. Do not attempt to load the upgrade image onto 340 series access points.

Finding the Software Version

On 1200 series access points that do not run Cisco IOS software, the software version appears in red at the top left of most pages in the web-browser interface. The home page on access points not running Cisco IOS software looks like the page in [Figure 1](#).

Figure 1 Home Page on Access Points not Running Cisco IOS Software

Nwc-Lab5b-Bucki2 Summary Status 

Cisco 1200 Series AP 12.00T

Home Map Network Associations Setup Logs Help Uptime: 11 days, 20:21:48

Current Associations				
Clients: 0 of 3	Repeaters: 0 of 0	Bridges: 0 of 0	APs: 4	

Recent Events		
Time	Severity	Description
7 days, 00:18:17	Info	Deauthenticating 00070eb96eb6, reason "Inactivity"
6 days, 23:51:37	Info	Station 00070eb96eb6 Associated
6 days, 23:51:37	Info	Station 00070eb96eb6 Authenticated
6 days, 23:50:32	Info	Deauthenticating 0040963398c9, reason "Inactivity"
6 days, 23:41:07	Info	Station 0040963398c9 Associated

Network Ports				<u>Diagnostics</u>	
Device	Status	Mb/s	IP Addr.	MAC Addr.	
Ethernet	Up	100.0	192.168.138.15	00059a3842c5	
AP Radio: Internal	Up	11.0	192.168.138.15	00059a3842c5	
AP Radio: Module	Up	54.0	192.168.138.15	00059a3842c5	

90323

Obtaining the Conversion Upgrade Image

Follow these steps to download a copy of the upgrade image:

- Step 1** Click this link to browse to the Cisco IOS Software Center on Cisco.com:
<http://www.cisco.com/cisco/software/navigator.html>
- Step 2** Select **Wireless LAN Access**.
- Step 3** Select **Aironet Access Points**.
- Step 4** Select **Cisco Aironet 1200 Series**.
- Step 5** Select **Cisco Aironet 1200 Access Point**.
- Step 6** Select the **Aironet VxWorks to Cisco IOS Conversion Tool and Image** link.
- Step 7** If necessary, click the **Expand All** link to display the available releases.
- Step 8** Select the **3.0 image** link.
- Step 9** Select the most recent release of the upgrade image, such as AP1200-Cisco-IOS-Upgrade-v3.img.
- Step 10** On the Download Image page, click the **DOWNLOAD** button.
- Step 11** Read and accept the terms and conditions of the Software License Agreement.
- Step 12** Save the upgrade image on your computer or on a local drive on your network.

Using the Conversion Upgrade Image

If your 1200 series access point does not run Cisco IOS software, you can use the conversion tool and the upgrade image or the upgrade image alone to convert the access point system to Cisco IOS operation.

Using the Upgrade Image with the Conversion Tool

Use the upgrade image with the conversion tool to maintain the current access point configuration after the conversion. Refer to the *Cisco Aironet Conversion Tool for Cisco IOS Software* for complete instructions on using the upgrade image with the conversion tool. Click this link to browse to the *Cisco Aironet Conversion Tool for Cisco IOS Software*:

<http://www.cisco.com/univercd/cc/td/doc/product/wireless/airo1200/accspts/tool3ios/index.htm>

Using the Upgrade Image Without the Conversion Tool

To convert to Cisco IOS software without maintaining the current access point configuration, load the upgrade image on the access point just as you would when performing a firmware upgrade.

Follow these steps to convert your access point system to Cisco IOS software and reset the configuration to factory defaults:

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- Step 1** Type the access point's IP address in your browser's address line to browse to the access point web-browser interface.
 - Step 2** Click **Setup** on the Summary Setup screen.
 - Step 3** Under Services, click **Cisco Services**.
 - Step 4** Under Fully Update Firmware, click **Through Browser**.
 - Step 5** Click **Browse** to browse to the upgrade image file and select it.
 - Step 6** Click **Browser Update Now**. The upgrade process begins.

When the upgrade completes, a message appears that asks you to wait for the access point to reboot.

**Caution**

Do not power-cycle the access point until it has completely rebooted. After the upgrade process, the reboot can take up to 30 minutes to complete. Removing power from the access point during the reboot can make the unit inoperable.

After it reboots, the access point runs Cisco IOS Release 12.2(11)JA3. To access your access point, browse to the access point and enter **Cisco** as the administrator username and **Cisco** as the password.

Important Notes

This section describes important information about access points running Cisco IOS software. For more information on Cisco IOS releases for access points, refer to the release notes for specific releases. Click this link to browse to the release notes for Cisco IOS Release 12.2(11)JA:

<http://www.cisco.com/en/US/docs/wireless/bridge/1400/release/notes/rn13ja2.html>

Radio MAC Address Appears in ACU

When a Cisco Aironet client device associates to a 1200 series access point running Cisco IOS software, the access point MAC address that appears on the Status page in the Aironet Client Utility (ACU) is the MAC address for the access point radio. The MAC address for the access point Ethernet port is printed on the label on the back of the access point.

Radio MAC Address Appears in Access Point Event Log

When a client device roams from an access point (such as access point alpha) to another access point (access point bravo), a message appears in the event log on access point alpha stating that the client roamed to access point bravo. The MAC address that appears in the event message is the MAC address for the radio in access point bravo instead of the Ethernet port in access point bravo.

Repeater Access Points Running Cisco IOS Software Cannot Associate to Parent Access Points not Running Cisco IOS Software

Access points that do not run Cisco IOS software (all 340 series access points and 350 series access points that have not been upgraded to Cisco IOS software) cannot serve as parents for repeater access points that run Cisco IOS software.

Troubleshooting

For the most up-to-date, detailed troubleshooting information, refer to the Cisco Technical Support Website at this URL:

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

Related Documentation

These documents describe installation and configuration of 1200 series access points:

- *Quick Start Guide: Cisco Aironet 1200 Series Access Points*
- *Cisco IOS Software Configuration Guide for Cisco Aironet Access Points*
- *Cisco IOS Command Reference for Cisco Aironet Access Points and Bridges*
- *Installation Instructions for Cisco Aironet Power Injectors*

- *Cisco Aironet Conversion Tool for Cisco IOS Software*
- *Release Notes for Cisco Aironet 350, 1100, and 1200 Series Access Points for Cisco IOS Release 12.2(13)JA3*

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, 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>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

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