

CISCO IOS SOFTWARE RELEASE 12.3(7)JX

WARNING: ALL CISCO AIRONET ACCESS POINTS RECEIVING CISCO IOS SOFTWARE RELEASE 12.3(7)JX WILL ONLY FUNCTION IN CONJUNCTION WITH A CISCO WIRELESS LAN CONTROLLER. THEY WILL NO LONGER BE ABLE TO FUNCTION AS CISCO AIRONET AUTONOMOUS ACCESS POINTS.

This product bulletin describes the content and delivery information for Cisco IOS® Software Release 12.3(7)JX. This is a Cisco Lightweight Access Point Protocol (LWAPP) upgrade and recovery support software image supporting Cisco Aironet 1230AG Series access points, Cisco Aironet 1130AG Series access points and selected Cisco Aironet 1200 Series access points.

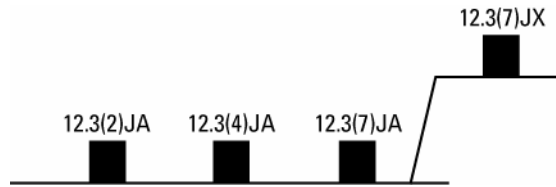
OVERVIEW

Cisco IOS Software Release 12.3(7)JX provides the capability for selected Cisco Aironet autonomous access points to become Cisco Aironet lightweight access points.. Access points running Cisco IOS Software Release 12.3(7)JX implement a partial LWAPP implementation allowing them to communicate with a Cisco Wireless LAN Controller to receive the full LWAPP software image from the controller. All Cisco Aironet access points receiving Cisco IOS Software Release 12.3(7)JX will only function in conjunction with a Cisco Wireless LAN Controller. They will no longer be able to function as a Cisco Aironet autonomous access point.

- This Cisco IOS Software release is available as a free software upgrade for Cisco Aironet 1230AG Series, 1200 Series (with AIR-MP21G-x-K9 radio and/or AIR-RM21A-x-K9 or AIR-RM22A-x-K9 radio), and 1130AG Series access points. This software should only be loaded onto the Cisco Aironet access points specified in this document. Do not load this software onto any *non-specified* Cisco Aironet access point.

Figure 1 displays the release train and recommended migration path for Cisco IOS Software Release 12.3(7)JX.

Figure 1. Release Train and Recommended Migration Path for Cisco IOS Software Release 12.3(7)JX



NEW FEATURES IN CISCO IOS SOFTWARE RELEASE 12.3(7)JX

Table 1 lists the new features delivered in Cisco IOS Software Release 12.3(7)JX. The feature is supported in this release for the platforms noted.

Table 1. Cisco IOS Software Release 12.3(7)JX New Feature

| New Features | Cisco Aironet 1130AG Series Access Point | Cisco Aironet 1200 Series Access Point | Cisco Aironet 1230AG Series Access Point |
|------------------------------------|--|--|--|
| LWAPP Upgrade and Recovery Support | X | X* | X |

CISCO IOS SOFTWARE RELEASE 12.3(7)JX NEW FEATURE

LWAPP Upgrade And Recovery Support

This feature allows a Cisco autonomous access point to communicate with a Cisco Wireless LAN Controller in order to receive a full Lightweight Access Point Protocol (LWAPP) image. Access points shipping with LWAPP or selected autonomous access points upgraded from autonomous to lightweight mode use the LWAPP upgrade and recovery support feature to receive their full LWAPP image from the controller. The LWAPP upgrade and recovery support feature is also used as a recovery image if the full LWAPP image becomes corrupted. Access points using the LWAPP upgrade and recovery support feature have limited functionality and their radios are disabled until the Cisco Wireless LAN Controller sends them the full LWAPP image.

Special Notes

The following are special notes about Cisco IOS Software release 12.3(7)JX upgrade and recovery software image:

- Only use this image when upgrading a Cisco Aironet autonomous access point to operate as a lightweight access point using LWAPP and communicating with a Cisco Wireless LAN Controller.
- Use the “Autonomous To Lightweight Mode” upgrade tool to load this image onto Cisco Aironet autonomous access points currently running Cisco IOS Software version 12.3(7)JA or later.
- This release only contains a partial LWAPP image. The full LWAPP software image must be downloaded from the Cisco Wireless LAN Controller to the access point after it has been converted in order for it to operate as a Cisco Aironet lightweight access point. A connection between the access point and Cisco Wireless LAN Controller is required to download the full LWAPP image.
- This image is also shipping with orderable Cisco Aironet lightweight access points.

Release Notes

For more information about the platforms and features delivered in Cisco IOS Software Release 12.3(7)JX, release notes are available at:

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

Support

Cisco IOS Software Release 12.3(7)JX follows the standard Cisco support policy. For more information, visit:

http://www.cisco.com/en/US/products/products_end-of-life_policy.html

PRODUCT FEATURES AND MODEL NUMBERS

Cisco IOS Software Release 12.3(7)JX feature sets, images, and memory recommendations are listed in Table 2.

Table 2. Cisco IOS Software Release 12.3(7)JX Feature Sets, Images, and Memory Recommendations

| Platform | Software Feature Set | Product Code | Image | Flash | DRAM |
|--|----------------------|------------------|--------------------------------|-------|-------|
| Cisco Aironet 1130AG Series Access Point | Wireless LAN | S113RK9W-12307JX | c1130-rcvk9w8-tar.123-7.JX.tar | 16 MB | 32 MB |
| Cisco Aironet 1200 Series Access Point** | Wireless LAN | S12RK9W-12307JX | c1200-rcvk9w8-tar.123-7.JX.tar | 8 MB | 16 MB |
| Cisco Aironet 1230AG Series Access Point | Wireless LAN | S12RK9W-12307JX | c1200-rcvk9w8-tar.123-7.JX.tar | 8 MB | 16 MB |

The products supported by this release are listed in Table 3.

Table 3. Products Supported By Cisco IOS Software Release 12.3(7)JX

| Platform | Model Number |
|---|--------------|
| Cisco Aironet 1230AG Series Access Point | AP1232AG |
| Cisco Aironet 1200 Series Access Point*** | AP1200 |
| Cisco Aironet 1130AG Series Access Point | AP1131AG |

DOWNLOAD INFORMATION

Cisco IOS Software Release 12.3(7)JX can be downloaded from the following Cisco.com locations:

- <http://www.cisco.com/public/sw-center/sw-wireless.shtml>
- <http://www.cisco.com/public/sw-center/sw-ios.shtml>

- * With AIR-RM21A-x-K9 or AIR-RM22A-x-K9 and/or AIR-MP21G-X-K9 radio
- ** With AIR-RM21A-x-K9 or AIR-RM22A-x-K9 and/or AIR-MP21G-X-K9 radio
- *** With AIR-RM21A-x-K9 or AIR-RM22A-x-K9 and/or AIR-MP21G-X-K9 radio



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