



PRODUCT BULLETIN NO. 2547

# CISCO IOS SOFTWARE DEPLOYMENT RELEASE 12.2(15)XR

This product bulletin describes the content and delivery information for Cisco IOS Software Release 12.2(15)XR, an early deployment release supporting Cisco Aironet 1100 Series access points, Cisco Aironet 1200 Series access points, and Cisco Aironet 350 Series access points. This release contains new features as well as support for the features delivered in Cisco IOS Software Release 12.2(15)JA, described in Product Bulletin No. 2459.

## OVERVIEW

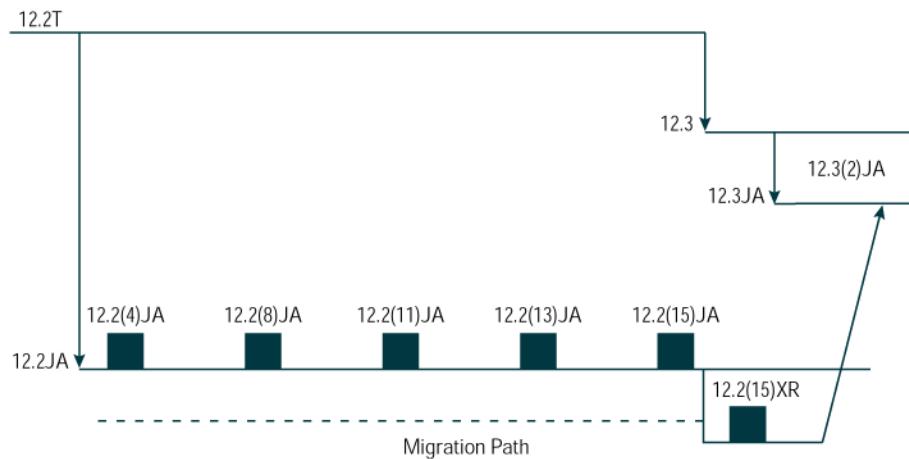
Cisco IOS® Software Release 12.2(15)XR provides several new features for Cisco® Aironet® 1200 Series access points and Cisco Aironet 1100 Series access points. New features for these access points include support for IP-based Wireless Domain Services (WDS) and Layer 3 Mobility Service via Fast Secure Roaming Tunnels (FSRTs).

This release provides maintenance release support for Cisco Aironet 350 Series access points. It does not provide support for Cisco Aironet 1400 Series wireless bridges or Cisco Aironet 1300 Series outdoor access points/bridges.

This Cisco IOS Software release is available as a free software upgrade for Cisco Aironet 1200 Series, 1100 Series, and 350 Series access points. Figure 1 displays the release train and recommended migration path for Cisco IOS Software Release 12.2(15)XR.

Figure 1

Release Train and Recommended Migration Path for Cisco IOS Software Release 12.2(15)XR



## NEW FEATURES IN CISCO IOS SOFTWARE RELEASE 12.2(15)XR

Table 1 lists the new features delivered in Cisco IOS Software Release 12.2(15)XR. These features are supported in this release for the platforms noted, with continued support for the features introduced in Cisco IOS Software Release 12.2(15)JA and earlier releases.

This release provides only bug and caveat resolution support for Cisco Aironet 350 Series access points. For caveats resolved in this release, please see the Cisco Aironet 350 Series release notes, available at:

[http://www.cisco.com/en/US/products/hw/wireless/ps458/prod\\_release\\_notes\\_list.html](http://www.cisco.com/en/US/products/hw/wireless/ps458/prod_release_notes_list.html)

**Table 1**

Cisco IOS Software Release 12.2(15)XR New Features

New Features	Cisco Aironet 1100 Series Access Point	Cisco Aironet 1200 Series Access Point
IP-Based Wireless Domain Services	X	X
Layer 3 Mobility Service via Fast Secure Roaming Tunnels	X	X

### Cisco IOS Software Release 12.2(15)XR New Features

#### IP-Based Wireless Domain Services

IP-based Wireless Domain Services (WDS) enables the access point to be explicitly configured with the IP address of its WDS device. This allows the access point to use a Cisco network infrastructure device running WDS from anywhere in the network.

#### Layer 3 Mobility Service via Fast Secure Roaming Tunnels

This feature allows an access point to segregate WLAN clients into different mobility groups. Once a client is authenticated according to its mobility group's security policy, all IP traffic from that client is encapsulated using generic routing encapsulation (GRE) and sent to a specific multipoint GRE (mGRE) interface of a Cisco Structured Wireless-Aware Network (SWAN) infrastructure device that supports mobility groups. An access point with Layer 3 Mobility Service provides clients within each mobility group with Layer 3 mobility when used with a Cisco SWAN infrastructure devices supporting Layer 3 mobility. Support for Layer 3 roaming is provided for all Wi-Fi certified client devices. Support for fast secure Layer 3 roaming is provided for Cisco or Cisco Compatible wireless LAN client devices using the Cisco Centralized Key Management (CCKM) protocol.

## ADDITIONAL INFORMATION

### Release Notes

For more information about the platforms and features delivered in Cisco IOS Software Release 12.2(15)XR, release notes are available at:

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

### Support

Cisco IOS Software Release 12.2(15)XR follows the standard Cisco support policy. For more information, visit:

[http://www.cisco.com/en/US/products/products\\_end-of-life\\_policy.html](http://www.cisco.com/en/US/products/products_end-of-life_policy.html)

## PRODUCT FEATURES AND MODEL NUMBERS

Cisco IOS Software Release 12.2(15)XR feature sets, images, and memory recommendations are listed in Table 2. The products supported by this release are listed in Table 3.

**Table 2**

Cisco IOS Software Release 12.2(15)XR Feature Sets, Images, and Memory Recommendations

Platform	Software Feature Set	Product Code	Image	Flash	DRAM
<b>Cisco Aironet 1200 Series access point</b>	Wireless LAN	S12W7K9-12215XR	c1200-k9w7-tar.122-15.XR	8 MB	16 MB
<b>Cisco Aironet 1100 Series access point</b>	Wireless LAN	S11W7K9-12215XR	c1100-k9w7-tar.122-15.XR	8 MB	16 MB
<b>Cisco Aironet 350 Series access point</b>	Wireless LAN	Not applicable	c350-k9w7-tar.122-15.XR	8 MB	16 MB

**Table 3**

Products Supported by Cisco IOS Software Release 12.2(15)XR

Platform	Model Number
<b>Cisco Aironet 1200 Series access point</b>	AP1210, AP1230A, AP1230B, AP1231G
<b>Cisco Aironet 1100 Series access point</b>	AP1120B, AP1121G
<b>Cisco Aironet 350 Series access point</b>	AP352

## DOWNLOAD INFORMATION

Cisco IOS Software Release 12.2(15)XR 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>

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