

Cisco IOS Software Release 12.3(8)XW

Document ID: 61982

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| Description of the Release | <p>Cisco IOS® Software Release 12.3(8)XW is an ED (XED) release optimized for the Packet Data Serving Node (PDSN) and MWG Home Agent R2.0 for CDMA networks. The PDSN/HomeAgent can run on the Cisco 7200 VXR and Multiprocessor WAN Application Module (MWAM) card of Catalyst 6500/7600 platforms.</p> <ul style="list-style-type: none">• In addition, the On-Demand Address Pool (ODAP)/ Dynamic Host Configuration Protocol (DHCP) server high availability feature will be made available on the Cisco 7301 platform for BEMR customers from the same X release. This feature was developed for HomeAgent (HA) R2.0 and is being leveraged by the BEMR team.• The HomeAgent R2.0 Release contains features for such Cisco customers as Bell Mobility, Swisscom, Nextel, Telus Mobility and Sprint, and so forth. Features include Packet of Disconnect, Resource revocation, HotLining, VRF, ODAP/DHCP based IP address allocation, and so forth.• The PDSN R2.0 Release contains features for such Cisco partners as Motorola and Lucent and also direct customers like SKT and LGT, Korea, and China Unicom. Features include Always on user sessions, Prepaid billing, Packet of Disconnect, and so forth.• The PDSN/HomeAgent feature set will remain the same on both 7200VXR and MWAM for Catalyst 6500/7600. Up to five instances of PDSN/HomeAgent images can run each MWAM card. This aggregates session capacity and throughput of the box. <p>Please refer to the presentation for Tetons-3 (12.2(17b)SXB). This is the supervisor Cisco IOS software which is required to support MWAM.</p> <p>This release is based upon the Cisco IOS Software 12.3(8)T maintenance release. Any early deployment (ED) release of software should be used in a test network before it is deployed in a production network.</p> |
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| Product and Feature Support | Cisco IOS Software Release 12.3(8)XW supports these platforms: | | |
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| | Product/Feature | Image Name | Memory Requirements |
| | Cisco 7200 | <ul style="list-style-type: none"> • c7200-c6is-mz • c7200-c6ik9s-mz • c7200-h1is-mz • c7200-h1ik9s-mz | See Release Notes |
| | Cisco 7300 | <ul style="list-style-type: none"> • c7301-is-mz • c7301-js-mz | See Release Notes |
| | Catalyst 6000-MWAM | <ul style="list-style-type: none"> • c6svc-5mwam-h1is-b21_10.123-8.XW.bin • c6svc-5mwam-c6is-b21_10.123-8.XW.bin | See Release Notes |
| Cisco 7600 MWAM | <ul style="list-style-type: none"> • c6svc-5mwam-h1is-b21_10.123-8.XW.bin • c6svc-5mwam-c6is-b21_10.123-8.XW.bin | | |

Feature Description Example:

- HomeAgent-SLB
- IS-835-C IPsec (static)
- ODAP and ODAP DHCP Client and Subnet allocation Server
- Conditional Debug Mobile IP and Radius
- HomeAgent does not perform HomeAgent-Challenge Handshake Authentication Protocol (CHAP) with mobile foreign challenge extensions (MFCE)
- Mobile Node (MN)-AAA removal by PDSN from registration request (RRQ) to HomeAgent
- Support for CDMA-MN-HA-SHARED-KEY (26, 5535, 58)
- HomeAgent redundancy with local IP pools
- HomeAgent with IP allocation from DHCP and redundancy support HomeAgent-VRF
- Hot-Lining
- Packet of Disconnect (POD) and Resource Revocation
- CISCO IP LOCAL POOL MIB support
- CISCO MEM POOL MIB support
- Dynamic access control lists (ACLs) on Home Agent tunnels
- PrePaid (IS-835B)
- Static IPsec (IS-835B) on Cisco 7200 only
- Always ON (IS-835-B)
- MIB per Packet Control Function (PCF)/SO statistics
- Conditional debugging
- MoIP CPS improvement
- Cluster Controller enhancements
- POD (IS-835C)
- MoIP Resource Revocation (IS-835C)
- ODAP DHCP Client and Subnet allocation Server

Note: The features delivered with this XED release will be immediately incorporated into Cisco IOS Software Release 12.4(1st)T and subsequent Cisco IOS 12.4T software releases.

Support Pages

For more information, consult these web pages:

Release Documentation

- 12.3(8)XW Product Bulletin
- 12.3(8)XW Release Notes

Parent Release Documentation

- Cisco 12.3T Release Notes

Other Links

- Cisco IOS General Information
- Cisco IOS Software Release Field Notices
- Cisco IOS Software Release Reference Guide
- Projected Release Dates

Target Market

Cisco Systems, Inc. released Cisco IOS Software Release 12.3(8)XW as a short-lived early deployment (ED) release for the Cisco 7200, Cisco 7600–MWAM, Catalyst 6000–MWAM, and Cisco 7301 platforms. It is targeted for the Service providers market.

Lifecycle of Release

Cisco IOS Software Release Reference Guide

| Milestones | Y2K Compliance | Release Designation |
|---|----------------|---------------------|
| CCO FCS: July 29, 2004 MFG FCS: August 5, 2004 EOS: EOE: EOL: | Yes | XED Release |

Maintenance Releases

It is highly recommended that Release Notes are used to determine if a maintenance release should be used. Release Notes provide announcements of new features and a summary of known caveats at the time of the renumber.

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| Maintenance Cycle | Download Image |
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| Cisco IOS Software Release 12.3(8)XW – No maintenance plans for an X release. | |
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Important Notes: N/A

Interim Builds

Short-lived X releases do not provide interim builds.

Recommended Customer Migration Path

To view the projected release date of Cisco IOS Software Release 12.3(8)XW, see the Projected Release Dates for Cisco IOS Software Release Product Bulletin.

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