

# Cisco IOS Software Release 12.2(15)ZJ

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<b>Description of the Release</b>	<p>Cisco IOS® Software Release 12.2(15)ZJ is an ED release (XED) optimized for the Cisco 1700, Integrated Access Devices (IAD) 2430, 2600, 3600, and 3700 series routers. This release is based upon the Cisco IOS Software 12.2(15)T maintenance release. This release introduces IOS support for ITS 3.0, Survivable Remote Site Telephony (SRST) 3.0, Session Initiation Protocol (SIP) SRST, IAD 2430 platform, hardware echo cancellation (ECAN), NM HD 1V–2V–2VE, Voice Interface Card (VIC) 4Foreign Exchange Office (FXO)/2FXO, asymmetric digital subscriber line (ADSL) over ISDN VWIC, DPNSS Backhaul, Frame Relay switched virtual circuits (FRSVC) over ISDN, BRI Backhaul, private line auto ringdown (PLAR) on Turrets, UM Supplemental Services, Data Encryption Standard (DES)/3DES/AES VPN Encryption Module, Cisco Unity Express–Network Module, Enhanced ITU–T G.168 Echo Cancellation, Intrusion Detection Network Module, 802.X and Type of Service (ToS) for Quality of Service (QoS), Customizable Tone Download, and NM16A/S.</p> <p>Any early deployment (ED) release of software should be used in a test network before being deployed in a production network.</p>																	
<b>Product and Feature Support</b>	<p>Cisco IOS Software Release 12.2(15)ZJ will support the following platforms:</p>																	
	<table border="1"> <thead> <tr> <th data-bbox="903 1079 1193 1159">Product/Feature</th> <th data-bbox="1193 1079 1353 1159">Image Name</th> <th data-bbox="1353 1079 1449 1159">Memory Requirements</th> </tr> </thead> <tbody> <tr> <td data-bbox="903 1159 1193 1346">Cisco 2430</td> <td data-bbox="1193 1159 1353 1346"> <ul style="list-style-type: none"> <li>• c2430–is–mz</li> <li>• c2430–i6s–mz</li> <li>• c2430–i6k9o3s–mz</li> <li>• c2430–ik9o3s–mz</li> </ul> </td> <td data-bbox="1353 1159 1449 1346">See Release Notes</td> </tr> <tr> <td data-bbox="903 1346 1193 1528">Cisco 1700</td> <td data-bbox="1193 1346 1353 1528"> <ul style="list-style-type: none"> <li>• c1700–sv8y–mz</li> <li>• c1700–sv8y7–mz</li> <li>• c1700–k8o3sv8y7</li> <li>• c1700–k9o3sv8y7</li> </ul> </td> <td data-bbox="1353 1346 1449 1528">See Release Notes</td> </tr> <tr> <td data-bbox="903 1528 1193 1780">Cisco 2600XM</td> <td data-bbox="1193 1528 1353 1780"> <ul style="list-style-type: none"> <li>• c2600–is–mz</li> <li>• c2600–js–mz</li> <li>• c2600–jsx–mz</li> <li>• c2600–ik9o3s–mz</li> <li>• c2600–jk9o3s–mz</li> <li>• c2600–ik9s</li> </ul> </td> <td data-bbox="1353 1528 1449 1780">See Release Notes</td> </tr> <tr> <td data-bbox="903 1780 1193 2003">Cisco 2691</td> <td data-bbox="1193 1780 1353 2003"> <ul style="list-style-type: none"> <li>• c2691–is–mz</li> <li>• c2691–js–mz</li> <li>• c2691–jsx–mz</li> <li>• c2691–ik9o3s–mz</li> <li>• c2691–jk9o3s–mz</li> </ul> </td> <td data-bbox="1353 1780 1449 2003">See Release Notes</td> </tr> </tbody> </table>	Product/Feature	Image Name	Memory Requirements	Cisco 2430	<ul style="list-style-type: none"> <li>• c2430–is–mz</li> <li>• c2430–i6s–mz</li> <li>• c2430–i6k9o3s–mz</li> <li>• c2430–ik9o3s–mz</li> </ul>	See Release Notes	Cisco 1700	<ul style="list-style-type: none"> <li>• c1700–sv8y–mz</li> <li>• c1700–sv8y7–mz</li> <li>• c1700–k8o3sv8y7</li> <li>• c1700–k9o3sv8y7</li> </ul>	See Release Notes	Cisco 2600XM	<ul style="list-style-type: none"> <li>• c2600–is–mz</li> <li>• c2600–js–mz</li> <li>• c2600–jsx–mz</li> <li>• c2600–ik9o3s–mz</li> <li>• c2600–jk9o3s–mz</li> <li>• c2600–ik9s</li> </ul>	See Release Notes	Cisco 2691	<ul style="list-style-type: none"> <li>• c2691–is–mz</li> <li>• c2691–js–mz</li> <li>• c2691–jsx–mz</li> <li>• c2691–ik9o3s–mz</li> <li>• c2691–jk9o3s–mz</li> </ul>	See Release Notes		
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**Feature Description:**

- ITS 3.0– IOS Telephony Service Phase 3.0 delivers the next–generation ITS feature set.
- SIP SRST– provides basic survivability for SIP phones using SRST .
- SRST 3.0– SRST is an existing IP Telephony solution that allows IP phones on remote branch sites to "fallback" to its default gateway on the site and perform basic functions such as placing outgoing public switched telephone network (PSTN) calls and receiving incoming PSTN calls .
- IAD 2430– IAD2430 Series Integrated Access Devices are next generation of customer premises equipment (CPE) platforms targeted at all service providers, Post, Telephone, and Telegraphs (PTTs), competitive local exchange carriers (CLECs), incumbent local exchange carriers (ILECs), and inter–exchange carriers (IXCs).
- Hardware ECAN– T1/E1 Multiflex Voice/WAN Interface Cards alongwith an optional echo cancellation module.
- NM HD 1V–2V–2VE/ VIC 4FXO/2FXO – voice/fax network modules, enables important applications such as IP Telephony, toll bypass, and full gateway integration. The voice/WAN interface cards supported by the new NMs are: 2 and 4 port FXS; 2 and 4 port FXO; 2 port DID, E/M, CAMA, and BRI (S/T); and 1 and 2 port T1/E1.

- ADSL over ISDN VWIC– 1 port ADSL over ISDN Wan Interface Card with Dying Gasp support.
- DPNSS Backhaul – Digital Private Network Signaling System Layer 2 backhauling to PGW2200.
- FRSVC over ISDN– Frame Relay SVC over ISDN.
- BRI Backhaul – Media Gateway Control Protocol (MGCP) controlled backhaul of gateway BRI signaling in conjunction with Cisco CallManager.
- PLAR on Turrets – Switched H.323 PLAR for Trading Turrets (re–establishes PLAR connection).
- UM Supplemental Services – Call waiting with Caller ID, additional call offering, call hold and specific digit sequence for call waiting activation/deactivation.
- DES/3DES/AES VPN Encryption Module – VPN Encryption Module AIM–VPN/BPII.
- Cisco Unity Express (CUE) – Network Module – CUE Network Module which provides voice mail and auto attendant services with Cisco IOS Telephony Services or Cisco CallManager with SRST.
- Enhanced ITU–T G.168 Echo Cancellation – 5421 DSP in NM–HDA High Complexity and Medium Complexity, 5421 DSP in AIM – Voice Medium Complexity, and the Catalyst 4000 AGM platform using 5409 SP medium complexity digital and high complexity analog WICs.
- Intrusion Detection Network Module – Cisco IDS code to the NM form factor for a 1 box solution.
- 802.X and ToS for QoS – Qos to CoS is a QoS value not in Layer 2 802.1q.
- Customizable Tone Download – Customizable Tone Download to Cisco IOS MGCP gateways from Cisco CallManager.
- NM16A/S – 16 port multi–interface synchronous or asynchronous serial network module for 2600/3600/3700 routers.

## Support Pages

For more information, consult the following web pages:

### Release Documentation

- 12.2(15)ZJ Product Bulletin
- 12.2(15)ZJ Release Notes

### Parent Release Documentation

- Cisco 12.2T Release Notes

### Other Links

	<ul style="list-style-type: none"> <li>• Cisco IOS General Information</li> <li>• Cisco IOS Software Release Field Notices</li> <li>• Cisco IOS Software Release Reference Guide</li> <li>• Projected Release Dates</li> </ul>																		
<b>Target Market</b>	Cisco Systems, Inc. released Cisco IOS Software Release 12.2(15)ZJ as a short lived ED release for the Cisco 1700, 2600XM, 3600, 3700, and IAD2400 families. It is targeted for the Enterprise and SP markets.																		
<b>Lifecycle of Release</b>	<p>Cisco IOS Software Release Reference Guide</p> <table border="1"> <thead> <tr> <th>Milestones</th> <th>Y2K Compliance</th> <th>Release Designation</th> </tr> </thead> <tbody> <tr> <td>CCO FCS: May 27, 2003</td> <td></td> <td></td> </tr> <tr> <td>MFG FCS: June 2, 2003</td> <td></td> <td></td> </tr> <tr> <td>EOS:</td> <td>Yes</td> <td>XED Release</td> </tr> <tr> <td>EOE:</td> <td></td> <td></td> </tr> <tr> <td>EOL:</td> <td></td> <td></td> </tr> </tbody> </table>	Milestones	Y2K Compliance	Release Designation	CCO FCS: May 27, 2003			MFG FCS: June 2, 2003			EOS:	Yes	XED Release	EOE:			EOL:		
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<b>Maintenance Releases</b>	<p>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.</p> <table border="1"> <thead> <tr> <th>Maintenance Cycle</th> <th>Download Image</th> </tr> </thead> <tbody> <tr> <td>12.2(15)ZJ – No maintenance plans for an X release.</td> <td></td> </tr> </tbody> </table> <p>Important Notes: N/A</p>	Maintenance Cycle	Download Image	12.2(15)ZJ – No maintenance plans for an X release.															
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## Interim Builds

Short-lived X releases do not provide interim builds.

## Recommended Customer Migration Path

To view the projected release date of the Cisco IOS Software Release 12.2(15)ZJ, see the Projected Release Dates for Cisco IOS Software Release Product Bulletin.

