Release Notes for Cisco 3600 Series Routers for Cisco IOS Release 12.2(11) YT2

March 3, 2003

Cisco IOS Release 12.2(11) YT2

OL-3287-01 Rev. B0

These release notes for the Cisco 3600 series routers describe the enhancements provided in Cisco IOS Release 12.2(11)YT. These release notes are updated as needed.

For a list of the software caveats that apply to Cisco IOS Release 12.2(11) YT2, see the "Caveats for Cisco IOS Release 12.2(11) YT2" section on page 9 and *Caveats for Cisco IOS Release 12.2 T*. The caveats document is updated for every maintenance release and is located on Cisco.com and the Documentation CD-ROM.

Use these release notes with *Cross-Platform Release Notes for Cisco IOS Release 12.2 T* located on Cisco.com and the Documentation CD-ROM.

Cisco recommends that you view the field notices for this release to see if your software or hardware platforms are affected. If you have an account on Cisco.com, you can find field notices at http://www.cisco.com/warp/customer/tech_tips/index/fn.html. If you do not have a Cisco.com login account, you can find field notices at http://www.cisco.com/warp/public/tech_tips/index/fn.html.

Contents

These release notes describe the following topics:

Inheritance Information

Cisco IOS Release 12.2(11) YT2 is based on Cisco IOS Release 12.2(11) T. All features in Cisco IOS Release 12.2(11) T are in Cisco IOS Release 12.2(11) YT2.

Table 1 lists sections of the *Cross-Platform Release Notes for Cisco IOS Release 12.2 T* that apply to Cisco IOS Release 12.2(11) YT2.

Table 1   References for the Cross-Platform Release Notes for Cisco IOS Release 12.2 T

Topic	Location
• Introductory information about the Cisco Cisco 3600 Series Router • Hardware Supported • Feature Set Tables • Other Firmware Code Software • Additional Notes for the Cisco 3600 Series Routers	Click **Platform-Specific Information** and **Cisco 3600 Series Router** at http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/ 122relnt/xprn122t/122tfeat.htm.
• Determining the Software Version • Upgrading to a New Software Release	Click **Cross-Platform System Requirements** at http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/ 122relnt/xprn122t/122treqs.htm.
• Feature Descriptions (New and Changed Information) • MIBs • Important Notes	Go to http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/ 122relnt/xprn122t/122tnewf.htm.
• Related Documentation • Obtaining Documentation • Obtaining Technical Assistance	Go to http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/ 122relnt/xprn122t/122tdocs.htm.

System Requirements

This section describes the system requirements for Cisco IOS Release 12.2(11) YT2 and includes the following sections:

- Memory Recommendations, page 3
- Feature Set Tables, page 3

Memory Recommendations

Table 2   Memory Recommendations for the Cisco 3600 Series Routers

Platforms	Feature Sets	Image Name	Software Image	Flash Memory Recommended	DRAM Memory Recommended	Runs From
Cisco 3640, Cisco 3640A	IP Standard Feature Set	IP	c3640-i-mz	8 MB Flash	32 MB DRAM	RAM
		IP Plus	c3640-is-mz	32 MB Flash	96 MB DRAM	RAM
	Enterprise Standard Feature Set	Enterprise Plus	c3640-js-mz	32 MB Flash	96 MB DRAM	RAM
Cisco 3660	IP Standard Feature Set	IP	c3660-i-mz	8 MB Flash	64 MB DRAM	RAM
		IP Plus	c3660-is-mz	32 MB Flash	96 MB DRAM	RAM
	Enterprise Standard Feature Set	Enterprise Plus	c3660-js-mz	32 MB Flash	96 MB DRAM	RAM

Feature Set Tables

The Cisco IOS software is packaged in feature sets consisting of software images—depending on the platform. Each feature set contains a specific set of Cisco IOS features.

Cisco IOS Release 12.2(11) YT2 supports the same feature sets as Cisco IOS Release 12.2, but Cisco IOS Release 12.2(11) YT2 can include new features supported by the Cisco 3600 series routers.

⚠
Caution   Cisco IOS images with strong encryption (including, but not limited to, 168-bit Triple Data Encryption Standard [3DES] data encryption feature sets) are subject to United States government export controls and have limited distribution. Strong encryption images to be installed outside the United States are likely to require an export license. Customer orders may be denied or subject to delay because of United States government regulations. When applicable, purchaser and user must obtain local import and use authorizations for all encryption strengths. Please contact your sales representative or distributor for more information, or send an e-mail to export@cisco.com.

Table 3 and Table 4 list the features and feature sets supported by the Cisco 3600 series routers in Cisco IOS Release 12.2(11) YT2 and uses the following conventions:

- Yes—The feature is supported in the software image.
- No—The feature is not supported in the software image.
- In—The number in the "In" column indicates the Cisco IOS release in which the feature was introduced. For example, "12.2(11)YT" means a feature was introduced in Cisco IOS Release 12.2(11)YT. If a cell in this column is empty, the feature was included in the initial base release.

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Note These release notes are not cumulative and list only features that are new to Cisco IOS Release 12.2(11) YT. The parent release for Cisco IOS Release 12.2(11) YT is Cisco IOS Release 12.2(11)T. For information about inherited features, refer to Cisco.com or Cisco Feature Navigator. For Cisco.com, go to http://www.cisco.com/univercd/home/index.htm, select the appropriate software release under **Cisco IOS Software**, and click **Release Notes**. If you have a Cisco.com login account, you can use the Cisco Feature Navigator tool at http://www.cisco.com/cgi-bin/Support/FeatureNav/FN.pl.

Table 3   Feature List by Feature Set for the Cisco 3640 and Cisco 3640A Series Routers

Features	In	Software Images by Feature Sets			
		IP	IP PLUS	ENTERPRISE PLUS	
Cisco IOS Telephony Service (ITS) Version 2.1	12.2(11)YT	N	Y	Y	
Content Engine Network Module for Caching and Content Delivery	12.2(11)YT	Y	Y	Y	
H450.2 & H450.3 Support In Cisco IOS	12.2(11)YT	N	Y	Y	
SRST: Survivable Remote Site Telephony Version 2.1	12.2(11)YT	N	Y	Y	
V.92/V.44 Support for Digital Modems	12.2(11)YT	Y	Y	Y	

Table 4   Feature List by Feature Set for the Cisco 3660 Series Routers

Features	In	Software Images by Feature Sets			
		IP	IP PLUS	ENTERPRISE PLUS	
Cisco IOS Telephony Service (ITS) Version 2.1	12.2(11)YT	N	Y	Y	
Clear Channel T3/E3 with Integrated CSU/DSU	12.2(11)YT	Y	Y	Y	
Content Engine Network Module for Caching and Content Delivery	12.2(11)YT	Y	Y	Y	
Gigabit Ethernet Network Module	12.2(11)YT	Y	Y	Y	
H450.2 & H450.3 Support In Cisco IOS	12.2(11)YT	N	Y	Y	
SRST: Survivable Remote Site Telephony Version 2.1	12.2(11)YT	N	Y	Y	
V.92/V.44 Support for Digital Modems	12.2(11)YT	Y	Y	Y	

New and Changed Information

The following sections list the new hardware and software features supported by the Cisco 3600 series routers for Cisco IOS Release 12.2(11) YT2.

New Hardware and Software Features in Cisco IOS Release 12.2(11)YT2

No new hardware or software features are supported in Cisco IOS Release 12.2(11)YT2.

New Hardware Features in Cisco IOS Release 12.2(11)YT1

There are no new hardware features supported by the Cisco 3600 series routers for
Cisco IOS Release 12.2(11)YT1.

New Software Features in Cisco IOS Release 12.2(11)YT1

The following new software features are supported by the Cisco 3600 series routers for Cisco IOS Release 12.2(11)YT1:

Cisco IOS Telephony Service V2.1 Updates

Cisco IOS Release 12.2(11)YT1 introduces improvements to phone rebooting commands and an updated script for the H.450 transfer and forward application.

After you update information for a phone that is associated with a Cisco IOS Telephony Service (ITS) router, the phone must be rebooted for the new information to take effect. In Cisco IOS Release 12.2(11)YT1, the **reset** command has been modified to allow the sequential reboot of the ITS phones. Using a sequential reboot minimizes the risk of conflict which can occur when multiple phones attempt to access changed ITS configuration information through TFTP. In addition, the **restart** command has been added to support quick phone rebooting for use when only the line and speed-dial configuration for a phone is changed.

The tool command language (TCL) script that controls H.450 applications has been updated in the current release and is named app-h450-transfer.2.0.0.2.tcl. You can continue to use the previous script, called app-h450-transfer.2.0.0.1.tcl, with Cisco IOS Release 12.2(11)YT1, but you cannot use the new app-h450-transfer.2.0.0.2.tcl script with a release of Cisco IOS software that is earlier than Cisco IOS Release 12.2(11)YT1.

For more information, refer to *Cisco IOS Telephony Service V2.1:New Features for Cisco IOS Release 12.2(11)YT* at the following URL:

http://www.cisco.com/univercd/cc/td/doc/product/voice/c_ipphon/keyswtch/ft_its21.htm

New Hardware Features in Cisco IOS Release 12.2(11)YT

The following new hardware features are supported by the Cisco 3600 series routers for Cisco IOS Release 12.2(11)YT:

Clear Channel T3/E3 with Integrated CSU/DSU

Non-channelized (Clear Channel) T3/E3 service is delivered as a T3/E3 pipe with the bandwidth being 28x24x64k for T3 or 16x32x64k for E3. Clear Channel T3/E3 service is generally used in point-to-point applications (one customer sending data to one remote site). Any subdivision of bandwidth is performed at each customer site rather than at the central office.

Platforms supported: Cisco 3660.

For more information, refer to the document at the following URL:

http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/122newft/122limit/122y/122yt/122yt11/ft_te3nm.htm

Content Engine Network Module for Caching and Content Delivery

The Content Engine (CE) Network Module for Caching and Content Delivery offers the ability to integrate the features of Cisco Application and Content Networking System (ACNS) software into branch office platforms. The CE network module combines the Content Caching, Content Filtering and Content Delivery features of ACNS with robust branch office routing and is supported on Cisco 2600 series, Cisco 3600 series, and Cisco 3700 series routers. The network module requires the use of ACNS 4.2 software.

The CE network module can operate as a standalone cache or in an integrated enterprise content delivery network (E-CDN) environment. As one element of an E-CDN, the CE network module can be deployed with a combination of other content engines, content routers, content services switches, and content distribution managers to create a complete content delivery network system.

Platforms supported: Cisco 3640, Cisco 3640A, and Cisco 3660.

For more information, refer to the document at the following URL:

http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/122newft/122limit/122y/122yt/122yt11/ft_1cenm.htm

Gigabit Ethernet Network Module

The Gigabit Ethernet network module provides gigabit connectivity. The throughput of the interface depends on the platform. The network module has one GBIC slot to carry any standard copper or optical Cisco GBIC, including CWDM. The GE network module optimizes the performance for branch office customers by offering a high-speed uplink to both existing and new LAN or WAN environments. The extended reach of the provided fiber connectivity allows customers the option of interconnecting branch offices with Gigabit Ethernet and avoid expensive leased serial lines. Metro Area Service Providers now have additional options when connecting their customers in branch offices to MANs.

Platforms supported: Cisco 3660.

New Software Features in Cisco IOS Release 12.2(11)YT

The following new software features are supported by the Cisco 3600 series routers for Cisco IOS Release 12.2(11)YT:

SIP Call Transfer and Call Forwarding Supplementary Services

The SIP Call Transfer and Call Forwarding Supplementary Services feature introduces the ability of Session Initiation Protocol (SIP) gateways to initiate blind or attended call transfers. Release Link Trunking (RLT) functionality was also added with this feature. With RLT, SIP blind call transfers can now be triggered by Channel Associated Signaling (CAS) trunk signaling. Finally, the SIP Call Transfer and Call Forwarding Supplementary Services feature implements SIP support of call forwarding requests from a Cisco IOS gateway.

For more information, refer to the document at the following URL:

http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/122newft/122limit/122y/122yt/122yt11/ftsipcal.htm

Cisco IOS Telephony Service (ITS) Version 2.1

Cisco IOS Telephony Service (ITS) offers an entry-level IP Telephony solution integrated directly into Cisco IOS. Customers can now deploy Voice, Data, and IP Telephony on a single platform for their small offices. ITS offers a core set of phone features that customers commonly require for their everyday business needs and leverages the wide array of voice capabilities that are available in Cisco IOS to provide a very robust IP Telephony offering for the small office environment.

You must purchase a feature license to use Cisco IOS Telephony Service. You also need an account on Cisco.com to access the Cisco IP phone firmware versions.

ITS Version 2.1 supports the following new features:

- Additional languages: Italian, Spanish, German, and French.
- Supports new CCM (3.1 and later) phoneloads
- GUI customizing capability
- Live Feed Music On Hold Feature
- H450.2 and H450.3 support in Cisco IOS
- Consultative Transfer support, and
- Hookflash Transfer support

Platforms supported: Cisco 3640, 3640A, and Cisco 3660.

For more information, refer to the document at the following URL:

http://www.cisco.com/univercd/cc/td/doc/product/voice/c_ipphon/keyswtch/ft_its21.htm

SRST: Survivable Remote Site Telephony Version 2.1

ITS Version 2.1 supports the following new features:

- Additional languages: Italian, Spanish, German and French
- Support for Cisco 7914

Platforms supported: Cisco 3640, Cisco 3640A, and Cisco 3660.

You must purchase a feature license to use Cisco SRS Telephony. For more information, refer to the document at the following URL:

http://www.cisco.com/univercd/cc/td/doc/product/access/ip_ph/srs/ftsrst21.htm

V.92/V.44 Support for Digital Modems

The V.92 and V.44 standards provide consumers and teleworkers a "Broadband-lite" Internet experience at dialup prices. V.92 encompasses a number of specifications, including "Quick Connect," which dramatically improves how quickly users can connect with their ISP or a branch office, and "modem on hold," which enables users to suspend and reactivate their dialup connection to either receive or initiate a telephone call. V.44 technology provides a new standard for compressing data. When compared to V.42, throughput is increased 20 to 60 percent due to a new compression algorithm that is optimized for typical Web content.

Platforms supported: Cisco 3640, Cisco 3640A, and Cisco 3660.

Important Notes

The following sections contain important notes about Cisco IOS Release 12.2 YT that can apply to the Cisco 3600 series routers.

Important Notes in Cisco IOS Release 12.2(11) YT

This release permanently removes selected legacy features (or components) from the Cisco IOS software. These features will not be available in future releases of Cisco IOS software.

The features that have been removed are as follows:

- AppleTalk EIGRP
- Apollo Domain
- Banyan VINES
- Exterior Gateway Protocol (EGP)
- HP Probe
- Interior Gateway Routing Protocol (IGRP)
- Next Hop Resolution Protocol (NHRP) for IPX
- NetWare Link Services Protocol (NLSP)
- Simple Multicast Routing Protocol (SMRP) for AppleTalk
- Xerox Network Systems (XNS)

Caveats for Cisco IOS Release 12.2(11) YT2

Caveats describe unexpected behavior in Cisco IOS software releases. Severity 1 caveats are the most serious caveats; severity 2 caveats are less serious. Severity 3 caveats are moderate caveats, and only select severity 3 caveats are included in the caveats document.

This section contains open and resolved caveats for the current Cisco IOS maintenance release.

All caveats in Cisco IOS Release 12.2 and Cisco IOS Release 12.2 T that apply to the Cisco 3600 series routers are also in Cisco IOS Release 12.2(11) YT2.

For information on caveats in Cisco IOS Release 12.2, see *Caveats for Cisco IOS Release 12.2*.

For information on caveats in Cisco IOS Release 12.2 T, see *Caveats for Cisco IOS Release 12.2 T*, which lists severity 1 and 2 caveats and select severity 3 caveats and is located on Cisco.com and the Documentation CD-ROM.

> **Note** If you have an account on Cisco.com, you can also use the Bug Toolkit to find select caveats of any severity. To reach the Bug Toolkit, log in to Cisco.com and click **Service & Support**: **Software Center**: **Cisco IOS Software**: **BUG TOOLKIT**. Another option is to go to http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl.

Open Caveats—Cisco IOS Release 12.2(11) YT2

This section documents possible unexpected behavior by Cisco IOS Release 12.2(11) YT and are reported in Cisco IOS Release 12.2(11) YT2. This section describes only severity 1 and 2 caveats and select severity 3 caveats.

Table 5   Open Caveats in Cisco IOS Release 12.2(11)YT2

Resolved In	DDTS ID Number	Description
Caveats Originating in Cisco IOS Release 12.2(11)YT That Were Reported in Cisco IOS Release 12.2(11)YT2		
	CSCdz83091	Large DOSFS flash access time for MOH on 3725/3745 platforms Symptom: Drop outs are heard during MOH playback from flash when formatted in DOSFS. Workaround: Use LEFS by formatting for this mode with the CLI **erase flash:**command.

Resolved Caveats—Cisco IOS Release 12.2(11) YT2

All the caveats listed in this section originated in Cisco IOS Release 12.2(11)YT and are resolved in Cisco IOS Release 12.2(11) YT2. This section describes only severity 1 and 2 caveats and select severity 3 caveats.

Table 6   *Resolved Caveats in Cisco IOS Release 12.2(11)YT2*

Resolved In	DDTS ID Number	Description
Caveats Originating in Cisco IOS Release 12.2(11)YT That Were Reported in Cisco IOS Release 12.2(11)YT2		
12.2(11)YT2	**CSCdz76888**	app-h450-transfer.2.0.0.x.tcl cannot handle pre-connect disc w/ PI=8
		Symptom: Disconnect with pi8 is used pretty often in the PSTN world to cut the voice path before disconnecting. This function is missing while the H.450.* application is configured on dial-peers: if the terminating call legs get disconnected with pi8, the originator will be stuck.
		Workaround: There is no workaround.
12.2(11)YT2	**CSCdz83896**	CEF Switching gets disabled with CRTP on ATM-AIM-T1 interface
		Symptom: Enabling CRTP on the ATM-AIM voice interface card disables Fast Switching and CEF switching. CRTP works fine with process switching.
		Workaround: If you enable CRTP, use process switching. CRTP works fine with process switching.
12.2(11)YT2	**CSCea02389**	fix localization dependence on SCCP version
		Problem: The User Locales do not work when a phone from an 3.3(2) CM falls back to a SRST router running a 15T image.
		Symptom: During SRST the user locales on IP Phone won't be available because of an SCCP version conflict between the CCM 3.3(2) phone loads and SRST locales dependencies on the SCCP version.
		Workaround: There is no workaround.

Open Caveats—Cisco IOS Release 12.2(11) YT1

This section documents possible unexpected behavior by Cisco IOS Release 12.2(11) YT and are reported in Cisco IOS Release 12.2(11) YT1. This section describes only severity 1 and 2 caveats and select severity 3 caveats.

Table 7   Open Caveats in Cisco IOS Release 12.2 YT1

Resolved In	DDTS ID Number	Description
Caveats Originating in Cisco IOS Release 12.2(11)YT That Were Reported in Cisco IOS Release 12.2(11)YT1		
	CSCdz72958	Incoming digits not collected properly for incoming BRI calls
		Symptom: The problem first was that we could not establish calls from mobile phones directly to phones on the ITS (with DID). Calls worked with ISDN and analog phones. When "incoming-called number .T" is put in the configuration, not all digits from the called number are collected correctly. The system did not get the last digit.
		Workaround: Instead of .T, the configuration is changed to exactly match the input digits.

		<pre>dial-peer voice 1 pots
		 preference 2
		 application transfer_app
		 incoming called-number ....
		 destination-pattern 0T
		 translate-outgoing calling 2
		 translate-outgoing called 3
		 direct-inward-dial
		 port 1/0/0
		
		dial-peer voice 4 pots
		 preference 1
		 application transfer_app
		 incoming called-number ....
		 destination-pattern 0T
		 translate-outgoing calling 2
		 translate-outgoing called 3
		 direct-inward-dial
		 port 1/0/1</pre>

	CSCdz86919	NM-CT1 is not working with ppp encapsulation
		Symptom: The interface s2/0:0 with ppp encapsulation may not be usable after many consecutive configurations and unconfigurations.
		Workaround: Reload the router.
	CSCdz83896	CEF Switching gets disabled with CRTP on ATM-AIM-T1 interface
		Symptom: Enabling CRTP on ATM-AIM voice interface card disables Fast Switching and CEF switching. CRTP works fine with process switching.
		Workaround: CRTP works fine with process switching.
	CSCdz83091	Large worst case flash access time for MOH for 3725/3745 platforms
		Symptom: Drop outs are heard during MOH playback.
		Workaround: There is no workaround.

Resolved Caveats—Cisco IOS Release 12.2(11) YT1

All the caveats listed in this section originated in Cisco IOS Release 12.2(11)YT and are resolved in Cisco IOS Release 12.2(11) YT1. This section describes only severity 1 and 2 caveats and select severity 3 caveats.

Table 8   Resolved Caveats in Cisco IOS Release 12.2 YT1

Resolved In	DDTS ID Number	Description
Caveats Originating in Cisco IOS Release 12.2(11)YT That Were Reported in Cisco IOS Release 12.2(11)YT1		
12.2(11)YT1	**CSCdy48624**	Caller ID is not updated on XTO to XEEs ID once XOR commit transfer
		Symptom: After a call is transferred, transferee phone is connected to the transfer-to phone; however, the display on transferee phone shows it is connected to the transferrer phone instead. Respectively after consultation transfer, the transfer-to phone shows it is connected to the transferrer phone instead of the transferee phone.
		Conditions:
		The wrong display on the transferee phone happens on both blind transfer and consultation transfer. The wrong display on the transfer-to phone happens on consultation transfer.
		Workaround: There is no workaround.
12.2(11)YT1	**CSCdy63251**	IVR TCL fail to send gtd
		Symptom: A voice over IP (VOIP) gateway running with Interactive Voice Response (IVR) application cannot pass Generic Transparency Descriptor (GTD) information to the next gateway.
		Conditions: This happens on setup message only.
		Workaround: There is no workaround.
12.2(11)YT1	**CSCdz03521**	Phones TFTP access contention causes locale changes to remain in EN
		Symptom: When more that one IP phone attempts to access configuration files from ITS at the same time by using the Cisco IOS TFTP server, the second phone fails to gain access and may report an error on the phone display and in the status messages display (accessed through the Settings key on the phone).
		In most cases the phone will continue to operate by using the configuration information that was stored in the phone the last time that the phone was rebooted.
		Only if the configuration information has changed, for example if the Services URL is modified, or the phone language or local changed, or the phone firmware version is changed, will the TFTP access failure cause a problem. The phone may end up misconfigured if it is able to access some but not all modified configuration files.
		Workaround: Reset any phone that reports a TFTP error again. When making global changes to the configuration that affect multiple phones, reset the phones one at a time and wait until the phone reregistration is completed before commencing the reset sequence for the next phone.

Table 8   Resolved Caveats in Cisco IOS Release 12.2 YT1

Resolved In	DDTS ID Number	Description
12.2(11)YT1	**CSCdz05821**	raw message lost when h450 information exists in setup request
		Symptom: Raw message may fail to be sent from a Voice Over IP (VoIP) gateway to another gateway across an IP link.
		Conditions: This happens only on the setup message, and when the raw message coexists with an H.450 message.
		Workaround: There is no workaround.
12.2(11)YT1	**CSCdz15110**	Traceback at CallSetupCleanup for redirect at alert
		Symptom: A Cisco IOS voice gateway may show traceback messages when using the H450 call transfer and call forward TCL application.
		Conditions: This may happen when the Cisco IOS gateway has the transferrer party committing the transfer while the transfer-to party is still alerting.
		Workaround: There is no workaround.
12.2(11)YT1	**CSCdz33080**	no dial tone after transfer during alerting to an FXS phone.
		When performing a transfer with consultation, if a call transfer is made to an analog FXS phone (or any call transfer that provides in-band alerting) and the transfer is committed during the alerting stage (while the consulted phone is ringing), then after the transfer is completed, if the phone attempts to make any outgoing calls, the phone will not get dial-tone. The call can still be made; however, the user does not hear dial tone.
		This situation continues until a call is made to or from the phone that results in a call actually being connected, or the phone is rebooted. When transfers to other local IP phones are attempted (which provide out-of-band alerting), this problem does not occur.
		Workaround: Do not use transfer with consultation. Configure the system so that all call transfers are committed as blind transfers. Alternatively, do not attempt call transfers to destinations that provide in-band alerting.
12.2(11)YT1	**CSCdz35353**	LBDN converts in-band alerting state to out-of-band alerting
		Symptom: An originating Foreign Exchange Station (FXS) phone hears a ringback tone instead of a busy tone.
		Conditions This symptom is observed when a call comes in from an FXS phone on Gateway 1 or Gateway 2. The call comes into Gateway 2 through a pair of loopback-directory numbers (loopback-dns) and is forwarded on Call Forward No Answer (CFNA)/call forward busy (CFB) to a public switched telephone network (PSTN)/PRI gateway. The PSTN gateway phone is busy; hence, a disconnect tone is sent to the originating side in the form of PI value 8. Gateway 2 receives in-band alerting. The loopback-directory number (**loopback-dn**) pair converts in-band alerting to out-of-band alerting.
		Workaround There is no workaround.

Table 8   Resolved Caveats in Cisco IOS Release 12.2 YT1

Resolved In	DDTS ID Number	Description
12.2(11)YT1	**CSCdz37079**	CFNA fails(ls_007) in 2GW scen, mainly when XOR(reroutemode)REDIRECT
		Symptom: A TCL Interactive Voice Response (IVR) script may not receive an ev_setup_done event after the call is forwarded.
		Conditions: This happens on a diverting gateway when call forwarding end before the outgoing leg is disconnected.
		Workaround There is no workaround.
12.2(11)YT1	**CSCdz40496**	Abnormal disconnect of XEE-XTO call in 2 gateway consult transfer
		Symptom: A consultation transfer is prematurely disconnected shortly after it is committed.
		Conditions: Transferrer and transfer-to parties are on different gateways, and on the transfer- to gateway, the leg towards transferrer is disconnected before the new conference between transferee and transferrer-to leg is established.
		Workaround: There is no workaround.
12.2(11)YT1	**CSCdz40744**	One way speech path after one gateway fullblind transfer
		Symptom: In a Voice Over IP (VoIP) gateway running Interactive Voice Response (IVR), an IP phone may hear a one-way voice after a blind transfer.
		Conditions: Both transferee and transfer-to parties are IP phones connected to the same gateway. The blind transfer is initiated by the calling party.
		Workaround: There is no workaround.
12.2(11)YT1	**CSCdz56915**	Loopback-dn hangs when call gets disconnected
		Symptom: Calls are made from PSTN to IP phone of ITS through a pair of LBDN. A call is transferred to another IP phone over PSTN. When the terminate side disconnects by sending an inband disconnect tone to remote end, the IP phone goes off-hook, but the LBDN stays hung, making it unusable.
		Workaround: Reload the router.
12.2(11)YT1	**CSCdz58470**	Double-Alert indication send to LBDN instead of single-alert
		Symptom: Calls are made from PSTN to IP phone of ITS through a pair of LBDN. A call is transferred to another IP phone over PSTN. The remote IP phone is busy. A double alert indication is sent instead of a single alert.
		Workaround: There is no workaround.
12.2(11)YT1	**CSCdz70454**	Local Consult is broken
		Symptom: When ITS is configured to perform a call transfer by using the local-consult option, the call transfer is committed during alerting of the transfer-to IP phone and the transfer-to IP phone attempts to answer the (consultation) call at the instant that the transfer is committed, the transferred call may be dropped.
		Workaround: Wait for the consultation call to be answered before transferring the call, or use an alternate call transfer mode.

Table 8   Resolved Caveats in Cisco IOS Release 12.2 YT1

Resolved In	DDTS ID Number	Description
12.2(11)YT1	**CSCdz75259**	one way voice path with loopback-dn if RTP header compression enable
		Symptom: A one-way voice path is heard if the RTP header compression is enabled for the external VoIP call segment, and the call is routed through a **loopback-dn** to a local ITS IP phone. To get the one-way voice path, the call must be transferred by using the app-h450-transfer.tcl script to support transfer with consultation. The transfer must be committed during alerting of the transfer-to local IP phone. If the transfer is committed after the local transfer-to IP phone has answered the consultation call, the problem is not seen.
		Workaround: Disable the RTP header compression.
12.2(11)YT1	**CSCin17773**	IVR leg setup returns ls_009 instead of ls_004 for disc cause 0x1C
		Symptom: When a call setup fails due to reason 0x1C (Invalid number format), an voice interactive response (IVR) application may return status ls_009 (Destination disconnect) instead of ls_004 (Invalid number).
		Workaround: There is no workaround.

Open Caveats—Cisco IOS Release 12.2(11) YT

This section documents possible unexpected behavior by Cisco IOS Release 12.2(11) YT and describes only severity 1 and 2 caveats and select severity 3 caveats.

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Table 9   Open Caveats for Cisco IOS Release 12.2(11)YT

DDTS ID Number	Description
CSCdx67946	Symptom: The delay required in auto-negotiation for copper GigaBit Interface Convertor (GBIC), may flap the GE interface ONCE when the interface with copper GBIC is re-configured. This may also cause the EtherChannel to flap if the copper GBIC interface is a member of the EtherChannel.
	Workaround: Do not use the GE interface with copper GBIC as a member of EtherChannel.
CSCdz05919	Symptom: You cannot forward a call that was transferred.
	Conditions: A Cisco IP phone on a voice over IP (VoIP) gateway has call forwarding configured, but the call-forward pattern is not set or it does not match the forwarding number. If the incoming call to the local IP phone is a transferred call, then the call forwarding initiated by the phone fails.
	Workaround: Set the call-forwarding pattern correctly under telephony-service on the local gateway, so that the pattern matches the forwarding number.
CSCdz16934	Symptom: Cisco 3600 series and Cisco 3700 series routers will not pass block serial tunneling (BSTUN) data in ASCII mode when WIC-2T is in a 1fe1r2w network module.
	Conditions: Cisco 3600 series and Cisco 3700 series routers running BSTUN
	Workaround: There is no workaround.

Table 9   Open Caveats for Cisco IOS Release 12.2(11)YT

DDTS ID Number	Description
CSCin17773	Symptom: When a call setup fails due to reason 0x1C (Invalid number format), an voice interactive response (IVR) application may return status ls_009 (Destination disconnect) instead of ls_004 (Invalid number). Workaround: There is no workaround.
CSCin21638	Symptom: Under rare conditions, a Cisco 3660 router running Cisco IOS Release 12.2(11)YT may reload at destroyStackTreeNList when multi protocol over ATM is configured. Workaround: There is no workaround.

Resolved Caveats—Cisco IOS Release 12.2(11) YT

Because Cisco IOS Release 12.2(11) YT is the initial base release, there are no resolved caveats. For a list of the resolved caveats, refer to the next set of release notes for this release version.