

Caveats in Release 12.2(33)SXH and Rebuilds

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Note

- The caveat information is updated frequently.
- If you have a Cisco.com account that supports access to the Bug Toolkit, you can search for the most current Release 12.2SX caveat information at this URL:
<http://tools.cisco.com/Support/BugToolKit/action.do?hdnAction=searchBugs>

Open Caveats in Release 12.2(33)SXH and Rebuilds

Identifier	Technology	Description
CSCtb69049	Cisco IOS	Modular IOS "exception kernel filepath ..." options are ambiguous.

Caveats Resolved in Release 12.2(33)SXH8b

Resolved Cisco IOS Caveats

- [CSCth87458](#)—Resolved in 12.2(33)SXH8b

Symptoms: Memory leak detected in SSH process during internal testing. Authentication is required in order for a user to cause the memory leak.

Conditions: This was experienced during internal protocol robustness testing.

Workaround: Allow SSH connections only from trusted hosts.

PSIRT Evaluation: The Cisco PSIRT has assigned this bug the following CVSS version 2 score. The Base and Temporal CVSS scores as of the time of evaluation are 6.8/5.6:

<https://intellishield.cisco.com/security/alertmanager/cvssCalculator.do?dispatch=1&version=2&vector=AV:N/AC:L/Au:S/C:N/I:N/A:C/E:F/RL:OF/RC:C> CVE ID CVE-2011-2568 has been assigned to

document this issue. Additional information on Cisco's security vulnerability policy can be found at the following URL:

http://www.cisco.com/web/about/security/psirt/security_vulnerability_policy.html

Resolved Legacy Protocols Caveats

- [CSCtg48785](#)—Resolved in 12.2(33)SXH8b
sh x25 hunt-group causes %DATACORRUPTION-1-DATAINCONSISTENCY: copy error

Caveats Resolved in Release 12.2(33)SXH8a

Resolved Legacy Protocols Caveats

- [CSCth69364](#)—Resolved in 12.2(33)SXH8a
Cisco IOS Software contains a memory leak vulnerability in the Data-Link Switching (DLSw) feature that could result in a device reload when processing crafted IP Protocol 91 packets.
Cisco has released free software updates that address this vulnerability.
This advisory is posted at
<http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20110928-dlsw>.

Identifier	Technology	Description
CSCsw77313	AAA	failed authentication with login command changes the logged user
CSCtj95352	Cisco IOS	SUP32 resets with System NMI:**** SP System NMI: reason 0x00000009
CSCtk81701	Cisco IOS	Memory leak at "pak_pool_cache_item_get"

Caveats Resolved in Release 12.2(33)SXH8

Identifier	Technology	Description
CSCsy61321	AAA	tac+ acct is not failing over to next server group
CSCtc19317	AAA	NAS-Port-Type set to incorrect value
CSCtc72862	AAA	C2W2C: Standby router crashes at pagp_switch_mp_create_idb after SSO
CSCtc86306	AAA	Authorization requests not using VRF interface
CSCtd16343	AAA	Radius server declared as dead for MAB if server-private in server group
CSCsg49757	Cisco IOS	Combining Gig-Sub-intf & crypto connect & vlan with crypto engine
CSCsg78501	Cisco IOS	IKE should not delete established tunnel upon RSA key regeneration
CSCsl49350	Cisco IOS	Console keep showing %SYS-3-CPUHOG, process =Per-minute Jobs
CSCsm30920	Cisco IOS	"shutdown vlan" fails with SSO
CSCso59974	Cisco IOS	BGP session goes idle after SSO switchover
CSCsq07729	Cisco IOS	VSS: flowcontrol incompatible msg when standby switch port add in bundle
CSCsq33458	Cisco IOS	IOS new IKE sa uses DOI of zero when ipsec sa already exists
CSCsr41377	Cisco IOS	W1.3: after changing native vlan, CDP still send old native VLAN TLV
CSCsu52504	Cisco IOS	%LINEPROTO-SP-5-UPDOWN msg is output when changing cdp configuration

Identifier	Technology	Description
CSCsu67919	Cisco IOS	SIP crashes - hqf_cwpa_pak_enqueue_local
CSCsv82285	Cisco IOS	Cat6k: UDP port 10000 is opened by default
CSCsw36363	Cisco IOS	SUP32 temperature sensor AUX-1 temperature: N/O
CSCsw69621	Cisco IOS	BR DOWN if inside bgp is only type of learning configured
CSCsw96176	Cisco IOS	BFD sessions with version 0 do not come up properly following a reload
CSCsx24934	Cisco IOS	CPU Monitor not heard and ipc TBs on Active VSS switch on issuing Reload
CSCsx56011	Cisco IOS	Switch may crash when issuing "show mac-address-table"
CSCsz23099	Cisco IOS	Memory leak due to CEF: loadinfos in Collection proc
CSCta56305	Cisco IOS	Detector data port operation status not OK after boot
CSCta61568	Cisco IOS	Forwarding loop after adding vlan to MST instance
CSCtb52180	Cisco IOS	set vrf nvgened while vrf deletion in progress causes standby to reload
CSCtb65406	Cisco IOS	QoS ACL May Not Program L4 ports Correctly In TCAM
CSCtb83776	Cisco IOS	X6148A-GE-TX-Outdiscard incrementing if queue-limit of priority Q is 0
CSCtc22760	Cisco IOS	VSS ENH: Immediate reset LC after crash occurs on stdby chassis LC
CSCtc28953	Cisco IOS	Crash on cat6k running MPLS: see resolution note and CSCtc82349
CSCtc30868	Cisco IOS	Irregular CPU (peaks) on Cat6500 rtr responder
CSCtc39052	Cisco IOS	svclc module command adds firewall module command to configuration
CSCtd18807	Cisco IOS	"set ip next-hop <>" should lookup next hop in VRF when used on VRF int
CSCtd39596	Cisco IOS	OIR of the LC causes bootup diagnostic to fail on TestL3VlanMet
CSCtd49505	Cisco IOS	VSS gets to be multicast traffic blackhole after DAD or switchover
CSCtd64261	Cisco IOS	LBL config sync failure for extended vlan name changes
CSCtd82666	Cisco IOS	[VSS] Incorrect pMASK fpoe on standby causes traffic black-holed
CSCtd91871	Cisco IOS	EZVPN - memory leak after ungraceful disconnect of client behind PATI
CSCte01410	Cisco IOS	lost packets between FWSM and engine when switchover by SSO
CSCte15193	Cisco IOS	c2w2c:"no spanning-tree vlan 16" command is not removed from standby
CSCte21190	Cisco IOS	WS-X6148A-GE-TX ports 25-32 stop forwarding traffic
CSCte40472	Cisco IOS	FWSM: Private vlan association not syncing on VSS systems from switch
CSCte43407	Cisco IOS	No %LINK-3-UPDOWN log for SPAN destination port
CSCte48967	Cisco IOS	VSS : isolated pvlan not associated with VRF on DFCs
CSCte56437	Cisco IOS	TCP connection loss due to NAT incorrect translation on cat6500
CSCte72214	Cisco IOS	ME6500 - Traffic may be dropped on applying cos-map.
CSCte79217	Cisco IOS	ICCQ never decreases, flow stats affected, (S,G) expires
CSCte81230	Cisco IOS	IP Source Guard feature goes into an incorrect state
CSCte83052	Cisco IOS	Xauth is getting disabled when putting keyring into isakmp profile12.2
CSCte89428	Cisco IOS	SNMP tty traps not sent
CSCte90261	Cisco IOS	6500 PoE issues with 1120 and 1230 line of APs when using dot1x
CSCte99373	Cisco IOS	extranet: mrib S,G entry never removed after pim disabled on IIF

Identifier	Technology	Description
CSCtf02760	Cisco IOS	Kernel crash (cache error) without any crashinfo generated
CSCtf12634	Cisco IOS	SXH:idb->vlan_id on RP not getting updated on trunk native vlan change
CSCtf18863	Cisco IOS	REDZONEERROR and crash seen on SXH6 after install operation
CSCtf37626	Cisco IOS	Ospf flaps with oversubscription on enhanced flexwan Multilink T1
CSCtf39183	Cisco IOS	OBFL Master may not be initialized after IOS upgrade from SXF to SXH
CSCtf51541	Cisco IOS	Mistral reset due to TM_DATA_PARITY_ERROR error
CSCtf52407	Cisco IOS	Sup720 may reload when passing GRE traffic
CSCtf54617	Cisco IOS	Supervisor fails to come up due to bad compact flash.
CSCtf62507	Cisco IOS	Netflow s/w switched flow not entried if disable/enable ip flow ingress
CSCtf91692	Cisco IOS	Insertion of 6708/6716 linecard into the chassis resets another linecard
CSCtf97963	Cisco IOS	VSS DFC card miss MN setting, 4Sup: ICS MN ORPOE error
CSCtg37826	Cisco IOS	Inter range command doesn't work
CSCtg55075	Cisco IOS	IOS SLB may not purge netflow shortcut properly
CSCtg58235	Cisco IOS	Minor Error @ bootup on multiple 8xCHT1/E1 SPA cards.
CSCtg68012	Cisco IOS	%SCHED-3-THRASHING: Process thrashing on watched mssg event
CSCtg73213	Cisco IOS	c2w2c - Crash seen on Configuring ATMoMoGRE
CSCtg78883	Cisco IOS	Patch triggers EARL Recovery.
CSCth04998	Cisco IOS	[VSS] DFC installs drop index for MAC-address
CSCth13572	Cisco IOS	C2W2C: WS-X6716-10GE Failed TestMacNotification and reset after VSS SSO
CSCth23794	Cisco IOS	interfaces errdisable with "vlan intern alloc policy descending" config
CSCth42223	Cisco IOS	DOT1X security violation message not report the interface mode
CSCth46650	Cisco IOS	Traffic not get through between promiscuous and isolated in Mux mode
CSCth55383	Cisco IOS	%EARL-DFC2-2-SWITCH_BUS_IDLE message after "show tech"
CSCth60232	Cisco IOS	SXH: Port-channel interface flap when changing vlan mask
CSCth76204	Cisco IOS	TestSPRPInbandPing - No swover/crash after failure threshold reached
CSCti23872	Cisco IOS	traceroute double hop with set vrf due to double ttl decrement
CSCti36394	Cisco IOS	SXH Firmware - Heathland Board Layer Test Error Counter Monitor
CSCti84718	Cisco IOS	CPUHOG @ ipnat_ipalias_check_waitlist+E8 after sh/nosh PBR po int
CSCti85352	Cisco IOS	W1.8: Removing vlan-group from fw mod,vlan-gp already assign get removed
CSCsh47251	Infrastructure	3700 crashes as soon as loading image
CSCsl05310	Infrastructure	%SCHED-3-STUCKMTMR tb's seen with 1022 ION
CSCsy24505	Infrastructure	Process "sbin/dfs_disk0.proc" crashed while inserting CF @ dfs_id_delete
CSCtc87480	Infrastructure	dir slavenvram and wr mem triggers slavenvram:/(Device or resource busy)
CSCtd62220	Infrastructure	%DATACORRUPTION-1-DATAINCONSISTENCY: copy error,
CSCte52416	Infrastructure	VSS member switch crash when power down active switch
CSCtg19572	Infrastructure	Memory leak in two dfs processes
CSCtg64468	Infrastructure	indefinit loops in get_bufferpool_info() & get_buffercachepool_info()

Identifier	Technology	Description
CSCth01674	Infrastructure	*Dead* memory increasing in (coalesced)
CSCsa94774	IPServices	NAT default breaks Traceroute response
CSCsy74796	IPServices	Memory leak at ip_multicast_ctl (when creating/deleting interfaces?)
CSCsz05783	IPServices	NAT translation fails with certain ALG traffic
CSCta56667	IPServices	tcp.proc displays excessive cpu usage
CSCtd21890	IPServices	Router crash at dhcp autoinstall
CSCtf34691	IPServices	HSRP group name tied to static NAT for redundancy is not saved to config
CSCsk98507	LegacyProtocols	Device crash@novell_send_gen_rip_query .
CSCte78230	LegacyProtocols	DLSw Ethernet Redundancy and IPV6 will not work together
CSCta48816	Management	CDP Protocol: %SYS-2-GETBUF: Bad getbuffer, bytes= 32717
CSCtc90579	MPLS	Block allocated by 'rsvp_hc_db_nbr_alloc' gets corrupted
CSCth36724	MPLS	Router reload while unconfiguring vrf interfaces in HA scale tests
CSCth38699	Multicast	Auto-RP for multicast triggers RP-Discovery with 0 RPs
CSCso26773	QoS	qos: PI-code: police percent above 43% is not correct for 10G interface
CSCsu99767	Routing	EIGRP:peer does not send UPDATE to NSF/SSO restarting peer router
CSCtc72772	Routing	Bulk sync failure and Standby reloads continuously @ "cIn route"
CSCtd49246	Routing	round-trip average of ping MIB may show less value
CSCtd81664	Routing	Not possible to "set ip next-hop" in vrf with import-map
CSCtf06436	Routing	high CPU due to HW backwalk continually walking the looped OCE chain
CSCtf28793	Routing	bgp aggregate-address suppress-map does not suppress specific prefixes
CSCtf64231	Routing	Inbound route-map change shouldn't be effective immediately
CSCtg27206	Routing	Static route not redistributed by RIP after link flap
CSCsb10291	Security	\$\$TS: Router forced crash on PKI Bind service failure (C_UnbindService)
CSCsf17411	Security	trustpoint authentication fails if key usage is non standard
CSCsk22496	Security	Router crashes @ssh_command when remove crypto key
CSCsv86113	Security	SSH on VRF int is allowed irrespective of vrf-also key
CSCsv92274	Security	SSH process might not handle some IPC messages
CSCsz05583	Security	crypto pki config nvgened before ip config on which it depends - slow
CSCta77073	Security	Router Crash while unconfiguring crypto trustpoint
CSCtf47512	Security	SXH5: Memory leak in ACE HAPI and IPSec Key Engine
CSCtg11808	Security	VSS: Standby supervisor reloads when crypto pki trustpoint removed
CSCti26768	Security	Bus error while re-configuring a trustpoint
CSCtd22993	WAN	SNMP ifIndex for certain serial interfaces becomes inactive
CSCtf03928	WAN	NTP packets received but ignored by the NTP process

Caveats Resolved in Release 12.2(33)SXH7

Resolved AAA Caveats

- [CSCsg21398](#)—Resolved in 12.2(33)SXH7

Symptoms: The Cisco IOS software image may unexpectedly restart when a crafted “msg-auth-response-get-user” TACACS+ packet is received.

Conditions: This symptom is observed after the Cisco platform had send an initial “recv-auth-start” TACACS+ packet.

Workaround: There is no workaround.

Resolved Multicast Caveats

- [CSCsl32142](#)—Resolved in 12.2(33)SXH7

Symptoms: A router may reload after reporting SYS-3-OVERRUN or SYS-3-BADBLOCK error messages. SYS-2-GETBUF with ‘Bad getbuffer’ error may also be reported.

Condition: Occurs when PIM auto-RP is configured and IP multicast boundary is enabled with the **filter-autorp** option.

Workaround: Configure IP multicast boundary without the **filter-autorp** option.

- [CSCtc68037](#)—Resolved in 12.2(33)SXH7

Symptom: A Cisco IOS device may experience an unexpected reload as a result of mtrace packet processing.

Conditions:

Workaround: None other than avoiding the use of mtrace functionality.

Resolved Security Caveats

- [CSCsz32366](#)—Resolved in 12.2(33)SXH7

Symptoms: A Cisco router that is running Cisco IOS Release 12.4(25) may crash due to SSH.

Conditions: This symptom occurs when SSH is enabled on the router. An attempt to access the router via SSH is made.

Workaround: Do not use SSH. Disable SSH on the router by removing the RSA keys:

```
“crypto key zeroize rsa”
```

Further Problem Description: This issue has not been seen in Cisco IOS Release 12.4(23) and earlier releases. It also has not been seen in Cisco IOS Release 12.4T images.

- [CSCsg65318](#)—Resolved in 12.2(33)SXH7

Symptoms: Malformed SSH version 2 packets may cause a memory leak.

Conditions: This symptom is observed on a Cisco platform configured for SSH version 2 after it has received malformed SSHv2 packets. The impact of this flaw is that the affected platform may operate in a degraded condition. Under rare circumstances it may reload to recover itself.

Workarounds: Options consist of using SSH version 1 in the interim until the affected platform can be upgraded to a fixed release or permitting only known trusted hosts/networks that can connect to the router by using a VTY access list.

Following are examples of the workarounds:

```
Configure SSH version 1
```

```
Configure SSH version 1
```

```

+-----
!-- configure from global config mode
!
config t
!
ip ssh version 1
end

VTY access-list
+-----
!-- 10.1.1.0/24 is a trusted network that
!-- is permitted access to the router, all
!-- other access is denied
!
access-list 99 permit 10.1.1.0 0.0.0.255
access-list 99 deny any
!
line vty 0 4
  access-class 99 in
end

```

More information about configuring VTY access lists is available in Cisco IOS Security Configuration Guide: Securing the Data Plane, Release 12.4T Controlling Access to a Virtual Terminal Line:

http://www.cisco.com/en/US/docs/ios-xml/ios/sec_data_acl/configuration/12-4t/sec-cntrl-acc-vtl.html

More information about SSH on IOS is available in the Configuring Secure Shell on Routers and Switches Running Cisco IOS guide:

http://www.cisco.com/en/US/tech/tk583/tk617/technologies_tech_note09186a00800949e2.shtml

Resolved Unknown Caveats

- [CSCtc41760](#)—Resolved in 12.2(33)SXH7

Symptom: 6500 may experience redzone crash at UDLD process. Message may appear %SYS-SP-3-OVERRUN: Block overrun at 44456570 (red zone 6D000700) -Traceback= 40291448 402938DC 40D74570 40D763A0

Traceback will vary from code to code.

Conditions: UDLD configured

Workaround: Disable UDLD.

- [CSCtc49782](#)—Resolved in 12.2(33)SXH7

Symptoms: Upgrade from 12.2(18)SXF6 to 12.2(33)SXH5 introduced additional vty lines to the running-configuration (vtp line 5 - 15). These new lines do not inherit the security ACL or transports configured by the customer on the old lines (0-4). Switch upgrade caused device to be non-compliant with network security policy defined by customer.

Condition: Software upgrade from 12.2(18)SXF6 to 12.2(33)SXH5.

Workaround: We have to manually configure the ACL for those newly introduced vty lines.

- [CSCtc71597](#)—Resolved in 12.2(33)SXH7

Symptom: Currently in EARL7 system, For an IPv6 packet the 96 bytes cover DBUS header (22), Ether header (14), IPv6 header (40), IPv6 extension headers, and L4 header. That means only 20 bytes (96 - 22 - 14 - 40) are for extension header(s) and L4 header. So even packet with small extension header(s) can use up to 20 bytes that would cause `l4_hdr_vld = 0`. When that happens, all L4 features cannot be applied and packet would be hardware forwarded based on L3 forwarding result.

Conditions: This issue is present from day one but would cause threat only when ipv6 access-list is configured on any interface and that access-list is containing L4 options.

Workaround: No Workaround

- [CSCte83104](#)—Resolved in 12.2(33)SXH7

Conditions: When an ipv6 RACL is configured on an interface. All packets containing ipv6 optional headers are punted to RP. But if any packets that are sent with no L4 header are also hitting this punt entry present at the top of tcam.

Workaround: No Workaround:

- [CSCsh61458](#)—Resolved in 12.2(33)SXH7

Symptoms: A Cat4k switch may reload after receiving a malformed packet on one specific specific port.

Conditions: This symptom may be observed on a Cat4k switch that enables DNSIX audit trail and receives crafted IP packets on a specific port.

Workaround: Do not enable the DNSIX audit trail.

Resolved WAN Caveats

- [CSCtd75033](#)—Resolved in 12.2(33)SXH7

Symptom: Cisco IOS Software is affected by NTP mode 7 denial-of-service vulnerability. Note: The fix for this vulnerability has a behavior change affect on Cisco IOS Operations for Mode 7 packets. See the section **Further Description** of this release note enclosure.

Conditions: Cisco IOS Software with support for Network Time Protocol (NTP) contains a vulnerability processing specific NTP Control Mode 7 packets. This results in increased CPU on the device and increased traffic on the network segments.

This is the same as the vulnerability which is described in <http://www.kb.cert.org/vuls/id/568372>

Cisco has release a public facing vulnerability alert at the following link:

<http://tools.cisco.com/security/center/viewAlert.x?alertId=19540>

Cisco IOS Software that has support for NTPv4 is NOT affected. NTPv4 was introduced into Cisco IOS Software: 12.4(15)XZ, 12.4(20)MR, 12.4(20)T, 12.4(20)YA, 12.4(22)GC1, 12.4(22)MD, 12.4(22)YB, 12.4(22)YD, 12.4(22)YE and 15.0(1)M.

All other versions of Cisco IOS and Cisco IOS XE Software are affected.

To see if a device is configured with NTP, log into the device and issue the CLI command **show running-config | include ntp**. If the output returns either of the following commands listed then the device is vulnerable:

```
ntp master <any following commands>
ntp peer <any following commands>
ntp server <any following commands>
ntp broadcast client
ntp multicast client
```

The following example identifies a Cisco device that is configured with NTP:

```
router# show running-config | include ntp
ntp peer 192.168.0.12
router#
```

The following example identifies a Cisco device that is not configured with NTP:

```
router# show running-config | include ntp
router#
```

To determine the Cisco IOS Software release that is running on a Cisco product, administrators can log in to the device and issue the **show version** command to display the system banner. The system banner confirms that the device is running Cisco IOS Software by displaying text similar to “Cisco Internetwork Operating System Software” or “Cisco IOS Software.” The image name displays in parentheses, followed by “Version” and the Cisco IOS Software release name. Other Cisco devices do not have the show version command or may provide different output.

The following example identifies a Cisco product that is running Cisco IOS Software Release 12.3(26) with an installed image name of C2500-IS-L:

```
Router# show version
Cisco Internetwork Operating System Software
IOS (tm) 2500 Software (C2500-IS-L), Version 12.3(26), RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright ) 1986-2008 by cisco Systems, Inc.
Compiled Mon 17-Mar-08 14:39 by dchih

<output truncated>
```

The following example shows a product that is running Cisco IOS Software release 12.4(20)T with an image name of C1841-ADVENTERPRISEK9-M:

```
Router# show version
Cisco IOS Software, 1841 Software (C1841-ADVENTERPRISEK9-M), Version 12.4(20)T,
RELEASE SOFTWARE (fc3)
Technical Support: http://www.cisco.com/techsupport
Copyright ) 1986-2008 by Cisco Systems, Inc.
Compiled Thu 10-Jul-08 20:25 by prod_rel_team

<output truncated>
```

Additional information about Cisco IOS Software release naming conventions is available in “White Paper: Cisco IOS Reference Guide” at the following link:

<http://www.cisco.com/web/about/security/intelligence/ios-ref.html>

Workaround: There are no workarounds other than disabling NTP on the device. The following mitigations have been identified for this vulnerability; only packets destined for any configured IP address on the device can exploit this vulnerability. Transit traffic will not exploit this vulnerability.

Note: NTP peer authentication is not a workaround and is still a vulnerable configuration.

- NTP Access Group

Warning: Because the feature in this vulnerability utilizes UDP as a transport, it is possible to spoof the sender’s IP address, which may defeat access control lists (ACLs) that permit communication to these ports from trusted IP addresses. Unicast Reverse Path Forwarding (Unicast RPF) should be considered to be used in conjunction to offer a better mitigation solution.

```
!--- Configure trusted peers for allowed access
access-list 1 permit 171.70.173.55
!--- Apply ACE to the NTP configuration
ntp access-group peer 1
```

For additional information on NTP access control groups, consult the document titled “Performing Basic System Management” at the following link:

http://www.cisco.com/en/US/docs/ios/netmgmt/configuration/guide/nm_basic_sys_manage.html#wp1034942

- Infrastructure Access Control Lists

Warning: Because the feature in this vulnerability utilizes UDP as a transport, it is possible to spoof the sender's IP address, which may defeat ACLs that permit communication to these ports from trusted IP addresses. Unicast RPF should be considered to be used in conjunction to offer a better mitigation solution.

Although it is often difficult to block traffic that transits a network, it is possible to identify traffic that should never be allowed to target infrastructure devices and block that traffic at the border of networks.

Infrastructure ACLs (iACLs) are a network security best practice and should be considered as a long-term addition to good network security as well as a workaround for this specific vulnerability. The iACL example below should be included as part of the deployed infrastructure access-list, which will help protect all devices with IP addresses in the infrastructure IP address range:

```
!---
!--- Feature: Network Time Protocol (NTP)
!---

access-list 150 permit udp TRUSTED_SOURCE_ADDRESSES WILDCARD
    INFRASTRUCTURE_ADDRESSES WILDCARD eq 123

!--- Note: If the router is acting as a NTP broadcast client
!--- via the interface command "ntp broadcast client"
!--- then broadcast and directed broadcasts must be
!--- filtered as well. The following example covers
!--- an infrastructure address space of 192.168.0.X

access-list 150 permit udp TRUSTED_SOURCE_ADDRESSES WILDCARD
    host 192.168.0.255 eq ntp
access-list 150 permit udp TRUSTED_SOURCE_ADDRESSES WILDCARD
    host 255.255.255.255 eq ntp

!--- Note: If the router is acting as a NTP multicast client
!--- via the interface command "ntp multicast client"
!--- then multicast IP packets to the mutlicast group must
!--- be filtered as well. The following example covers
!--- a NTP multicast group of 239.0.0.1 (Default is
!--- 224.0.1.1)

access-list 150 permit udp TRUSTED_SOURCE_ADDRESSES WILDCARD
    host 239.0.0.1 eq ntp

!--- Deny NTP traffic from all other sources destined
!--- to infrastructure addresses.

access-list 150 deny udp any
    INFRASTRUCTURE_ADDRESSES WILDCARD eq 123

!--- Permit/deny all other Layer 3 and Layer 4 traffic in
!--- accordance with existing security policies and
!--- configurations. Permit all other traffic to transit the
!--- device.

access-list 150 permit ip any any

!--- Apply access-list to all interfaces (only one example
!--- shown)

interface fastEthernet 2/0
    ip access-group 150 in
```

The white paper entitled “Protecting Your Core: Infrastructure Protection Access Control Lists” presents guidelines and recommended deployment techniques for infrastructure protection access lists and is available at the following link

http://www.cisco.com/en/US/tech/tk648/tk361/technologies_white_paper09186a00801a1a55.shtml

– Control Plane Policing

Provided under Control Plane Policing there are two examples. The first aims at preventing the injection of malicious traffic from untrusted sources, whilst the second looks at rate limiting NTP traffic to the box.

—Filtering untrusted sources to the device.

Warning: Because the feature in this vulnerability utilizes UDP as a transport, it is possible to spoof the sender’s IP address, which may defeat ACLs that permit communication to these ports from trusted IP addresses. Unicast RPF should be considered to be used in conjunction to offer a better mitigation solution.

Control Plane Policing (CoPP) can be used to block untrusted UDP traffic to the device. Cisco IOS software releases 12.0S, 12.2SX, 12.2S, 12.3T, 12.4, and 12.4T support the CoPP feature. CoPP can be configured on a device to help protect the management and control planes and minimize the risk and effectiveness of direct infrastructure attacks by explicitly permitting only authorized traffic that is sent to infrastructure devices in accordance with existing security policies and configurations. The CoPP example below should be included as part of the deployed CoPP, which will help protect all devices with IP addresses in the infrastructure IP address range.

```
!--- Feature: Network Time Protocol (NTP)

access-list 150 deny udp TRUSTED_SOURCE_ADDRESSES WILDCARD
    any eq 123

!--- Deny NTP traffic from all other sources destined
!--- to the device control plane.

access-list 150 permit udp any any eq 123

!--- Permit (Police or Drop)/Deny (Allow) all other Layer3 and
!--- Layer4 traffic in accordance with existing security policies
!--- and configurations for traffic that is authorized to be sent
!--- to infrastructure devices
!--- Create a Class-Map for traffic to be policed by
!--- the CoPP feature

class-map match-all drop-udp-class
    match access-group 150

!--- Create a Policy-Map that will be applied to the
!--- Control-Plane of the device.

policy-map drop-udp-traffic
    class drop-udp-class
        drop

!--- Apply the Policy-Map to the
!--- Control-Plane of the device

control-plane
    service-policy input drop-udp-traffic
```

In the above CoPP example, the access control list entries (ACEs) that match the potential exploit packets with the “permit” action result in these packets being discarded by the policy-map “drop” function, while packets that match the “deny” action (not shown) are not affected by the policy-map drop function.

—Rate Limiting the traffic to the device The CoPP example below could be included as part of the deployed CoPP, which will help protect targeted devices from processing large amounts of NTP traffic.

Warning: If the rate-limits are exceeded valid NTP traffic may also be dropped.

```
!--- Feature: Network Time Protocol (NTP)

access-list 150 permit udp any any eq 123

!--- Create a Class-Map for traffic to be policed by
!--- the CoPP feature

class-map match-all rate-udp-class
  match access-group 150

!--- Create a Policy-Map that will be applied to the
!--- Control-Plane of the device.
!--- NOTE: See section "4. Tuning the CoPP Policy" of
!--- http://www.cisco.com/web/about/security/intelligence/coppwp_gs.html#5
!--- for more information on choosing the most
!--- appropriate traffic rates

policy-map rate-udp-traffic
  class rate-udp-class
    police 10000 1500 1500 conform-action transmit
      exceed-action drop violate-action drop

!--- Apply the Policy-Map to the
!--- Control-Plane of the device

control-plane
  service-policy input drop-udp-traffic
```

Additional information on the configuration and use of the CoPP feature can be found in the documents, “Control Plane Policing Implementation Best Practices” and “Cisco IOS Software Releases 12.2 S - Control Plane Policing” at the following links:

http://www.cisco.com/web/about/security/intelligence/coppwp_gs.html

Further Description: Cisco IOS Software releases that have the fix for this Cisco bug ID, have a behavior change for mode 7 private mode packets.

Cisco IOS Software release with the fix for this Cisco bug ID, will not process NTP mode 7 packets, and will display a message “NTP: Receive: dropping message: Received NTP private mode packet. 7” if debugs for NTP are enabled.

To have Cisco IOS Software process mode 7 packets, the CLI command **ntp allow mode private** should be configured. This is disabled by default.

Other Resolved Caveats in Release 12.2(33)SXH7

Identifier	Technology	Description
CSCsi54201	AAA	IDMGR-3-INVALID_ID error message
CSCsq71492	AAA	IOS device crash or tracebacks at tplus_handle_req_timeout

Identifier	Technology	Description
CSCsx15897	AAA	Cisco 3800 shows symptoms of memory leak in AAA component
CSCsy55362	AAA	Unresponsive Console/VTYs
CSCtc27153	ATM	Shaping configuration does not work in SXH
CSCsb95192	Cisco IOS	RRI with HA doesnt populate the routes correctly - static keyword
CSCsk18794	Cisco IOS	speed and negotiation configuration issue on FE-TX-V2 SPA
CSCsk49041	Cisco IOS	crypto_ikmp_utils.c: possible Invalid Pointer Read
CSCsk66851	Cisco IOS	*,G/m entry does not have OIF programmed in HW sometimes
CSCsk86410	Cisco IOS	Abnormal ISAKMP traffic caused an alignment error and traceback.
CSCsl30308	Cisco IOS	PIM snooping corrupts PIM RPF Proxy packet
CSCsl70542	Cisco IOS	OBFL:high cpu during interrupt coalesce
CSCsl87677	Cisco IOS	changing the access vlan doesn't reflect the vlan of the secure configur
CSCsm40013	Cisco IOS	Multiple LC crash after shutting down TE tunnel interface
CSCsm63524	Cisco IOS	SUP32 crashes due to SP hang when it recovers from errdisable
CSCsm96309	Cisco IOS	OIR-SP-4-WARN message displayed when PS1 or FAN removed
CSCsq01879	Cisco IOS	7600 EoMPLS mls cef entry for imposition is programmed mtu 0
CSCsq63621	Cisco IOS	SPD classifies OSPF IP Precedence 0 as priority
CSCsr09586	Cisco IOS	Remarks not appearing correctly in Policy Based ACL
CSCsr50134	Cisco IOS	Router or Linecard may reload at cv6_6pe_frr_stats
CSCsr74002	Cisco IOS	7600 - VPLS - QinQ- UDLD packet received on qinq flooded to vpls
CSCsu31088	Cisco IOS	Not able to execute any commands under intf after running SPA FPGA bert
CSCsu72935	Cisco IOS	C2W2B: memory corruption on 122-32.8.11.XIW20 (w2_x_pi) image
CSCsu84213	Cisco IOS	RPF-MFD hardware entry is missed after doing SSO.
CSCsu99813	Cisco IOS	C2HD1-SI:Span Distributed Stops Traffic - Centralized Duplicates
CSCsv13243	Cisco IOS	BFD config causing BGP session to go down
CSCsv40523	Cisco IOS	WISM: Gig interfaces show as unknown(4)
CSCsv43187	Cisco IOS	120seconds after SSO, Some multicast traffic drops
CSCsw40790	Cisco IOS	SNMP Loop on PA-MC-T3+ interfaces (Installed)
CSCsx65705	Cisco IOS	router crash on no route-map with match ipv6 address access-list
CSCsx74064	Cisco IOS	On modular IOS, SSH on VRF int is allowed irrespective of vrf-also key
CSCsx79379	Cisco IOS	IOS Auth Proxy HTTP may lead to bus error adress 0x0
CSCsy04594	Cisco IOS	Vlan interfaces flap when a root guard port receive superior bpdu
CSCsy37236	Cisco IOS	High CPU at Filesys process on DFC LC and crash at btree_map_search
CSCsy54583	Cisco IOS	TTY data process on DFC leaks memory at prot_tty_malloc_named
CSCsy56433	Cisco IOS	Sh rom intermittently fails to display correct region info for standby
CSCsy58553	Cisco IOS	Linecard reset causes traffic onto frr protected tunnel to be dropped
CSCsy66446	Cisco IOS	%BIT-SP-4-OUTOFRANGE ltl_fpoe_defer_notify_with_pri on port-channel flap
CSCsy66678	Cisco IOS	stp_helper_manipulate_queue: standby SP CPUHOG

Identifier	Technology	Description
CSCsy81934	Cisco IOS	Non-standard static multicast MAC addresses lose ports after reload
CSCsy86252	Cisco IOS	SP Crash printing "supervisor jamming EOBC. It will be disabled."
CSCsz04297	Cisco IOS	Cat6k: False Dynamic MAC entry is installed with format 0000.<LTL>.0000
CSCsz19246	Cisco IOS	Crash after 'no dot1x port-control auto'
CSCsz36826	Cisco IOS	6509E fan-tray failed to restore back to HP mode after OIR
CSCsz38798	Cisco IOS	On SSO, Sup engine/DFC module get reset when MET set deleted
CSCsz53124	Cisco IOS	IPSEC VPN interoperability issue when IPCOMP compression enabled
CSCsz53809	Cisco IOS	Configuring vlan name containing space doesnt work across reload.
CSCsz69993	Cisco IOS	Pause frames on WS-X6708-10GE sent to cpu with flow-control disabled
CSCsz96469	Cisco IOS	Tracebacks seen @chunk_free_with_pc while unconfiguring
CSCta06428	Cisco IOS	VSS: Active Crash at iccp_test_get_first_mcast_resp_data
CSCta06451	Cisco IOS	PfR:BR Memory leak in export path on 7600
CSCta15851	Cisco IOS	Changing allowed vlan mask causes WiSM LAG member ports to reset
CSCta29818	Cisco IOS	Enhanced-Flexwan Module Power Down after Code Upgrade from SXF to SXH
CSCta42669	Cisco IOS	C2W1: segv exception after portchannel configuration
CSCta45976	Cisco IOS	BFD adj not formed if NBR IPAddr is on the same RTR but w diff VRFintrf
CSCta56676	Cisco IOS	IPsec SA lifetime can go to negative values
CSCta56890	Cisco IOS	WiSM LAG and Data Ports flaps on SSO Switchover
CSCta71873	Cisco IOS	Mcast traffic stops flowing across fabric to required fpoes
CSCta95295	Cisco IOS	IOMEM depleted when PKI servers unavailable for CRL checking
CSCta98108	Cisco IOS	With NAT, on Netflow database cleanup timer expiry, CPU spikes on 7600
CSCtb04231	Cisco IOS	Imprecise parity error crash due to mistral timeout
CSCtb31400	Cisco IOS	BGP sends Route-Refresh request on entering route-map configuration
CSCtb45475	Cisco IOS	sh plat hard capacity cpu report system memory usage incorrectly
CSCtb62031	Cisco IOS	cat6k: High cpu and high inband when reflexive ACL is used with WCCP
CSCtb70578	Cisco IOS	L2PT incorrectly decapsulates STP PDU for RSPAN causing PVID mismatch
CSCtb72638	Cisco IOS	Ezvpn server not sending split tunneling access-list to client
CSCtb78973	Cisco IOS	PM-SP-3-INTERNALERROR: Port Manager Internal Software Error with dot1x
CSCtb84298	Cisco IOS	Shadow state of wisM PO line protocol down on stdby After OIR of WiSM
CSCtb87149	Cisco IOS	NF is disabled on L3 sub-intf with per interface NF enabled
CSCtc11691	Cisco IOS	VSS: Switch crashes after loading the sierra 090920 image
CSCtc15386	Cisco IOS	IOS tags VLAN name configuration command as level 1
CSCtc16740	Cisco IOS	Global BPDUGuard does not work on MVAP ports
CSCtc17058	Cisco IOS	VC stops sending traffic due to duplicate vpn id in port based EoMPLS
CSCtc22217	Cisco IOS	SPA-8X1FE-TX-V2 negotiation auto and duplex mode issue
CSCtc24864	Cisco IOS	Enable cdp - removed on shut/ no shut dot1q-tunnel interface
CSCtc27745	Cisco IOS	LLDP packets go out tagged if native vlan (not Vlan1) is configured

Identifier	Technology	Description
CSCtc30691	Cisco IOS	Crash/Spurious memory access on privilege ipaddr-object-group/port-objec
CSCtc38716	Cisco IOS	ME6524 may reset due to single power supply failure
CSCtc38771	Cisco IOS	12.2SXH: Intermittent BPDU drop over Dot1Q tunnel.
CSCtc40724	Cisco IOS	Multicast packets may get dropped on 6500 when member join mcast group
CSCtc40851	Cisco IOS	traceback on applying port acl to interface.
CSCtc49542	Cisco IOS	VSS: output drops on VS-720 port due to CoS mapping mismatch
CSCtc52807	Cisco IOS	C2HD1-SI: L3 Portchannel's FPOE mask incorrect after SSO
CSCtc53958	Cisco IOS	"sh run" on Cat6k results in tunnel flapping on non-modular IOS
CSCtc79335	Cisco IOS	Sup Crash on several locations with IP SEC config
CSCtc81772	Cisco IOS	High cpu utilization with IPv6 ACL
CSCtc90469	Cisco IOS	Sup32 crash just after boot up with ACL Deny Test Failure
CSCtd01483	Cisco IOS	With fm platform debug on when private-host is config'd the switch crash
CSCtd13853	Cisco IOS	Linecard interfaces going into UDLD errdisable state on reload
CSCtd16863	Cisco IOS	6500 PoE issues with 1120 line of APs when using dot1x
CSCtd18947	Cisco IOS	Port-based EoMPLS stops passing tagged traffic
CSCtd21153	Cisco IOS	Packets are not netflow switched for wccp-L2-redirect(inbound)with hash
CSCtd31143	Cisco IOS	SPA in CC mode with SSO breaks connectivity when other sup comes online
CSCtd35521	Cisco IOS	MVPN PIM neighborship is not formed within vrfs
CSCtd45736	Cisco IOS	EOAM:LB functionality is broken from 11/17 due to CSCtb70578
CSCtd58314	Cisco IOS	memory corruption crash with sh ip arp inspect log
CSCtd59572	Cisco IOS	Spurious memory access errors seen after fpd upgrade of T3/E3 on SIP200
CSCtd59664	Cisco IOS	%ERROR: Standby doesn't support this on configuring speed on SIP-400 int
CSCtd72437	Cisco IOS	Packets punted to software forwarding when route-map is used for NAT
CSCtd78587	Cisco IOS	Crash when recovering a port which was err-disabled twice
CSCtd92043	Cisco IOS	Ph2 rekey use wrong proxy-id's on cat6k ezvpn ipsec-spa-2g
CSCte08785	Cisco IOS	mac notification change history log not seen for deleted mac entries.
CSCte20914	Cisco IOS	SPAN Reflector not enabled for WS-SVC-ADM-1-K9 : 2nd Commit
CSCte56366	Cisco IOS	DSCP values are not mapped to RX priority queue
CSCte87347	Cisco IOS	FPGA upgrade of CHT1E1 to 2.8 is not successful
CSCtf03547	Cisco IOS	VSS: Switch went down coz %EARL-SW1_SP-4-EBUS_SEQ_ERROR: with SXH7 image
CSCtf06477	Cisco IOS	VSS: changing switching mode powers down service modules in SXH
CSCtf16330	Cisco IOS	DHCP Rogue Server Detection : Multiple DHCPDISCOVER's issue
CSCtf53433	Cisco IOS	Knob 'platform ipv6 acl punt extension-header' default should be false
CSCei86912	Infrastructure	Router reloads unexpectedly while issuing GD commands
CSCin66315	Infrastructure	Inconsistency with sysuptime and rttMonLatestRttOperTime
CSCsj27963	Infrastructure	Need graceful handling of full nvram
CSCsk85192	Infrastructure	copy command with : after attribute is not checked against ACS. .

Identifier	Technology	Description
CSCs152962	Infrastructure	interface range Port-channel command causes RP crash
CSCsm80522	Infrastructure	Zero size crash file generated with "test crash" on Sip 600 module
CSCso40612	Infrastructure	7600 HA router crashed @ parser_syntax_cleanup on
CSCso48834	Infrastructure	ip sla config with udp-jitter probe failed due to no connection
CSCso56916	Infrastructure	persistent variable "snmpboot" don't get incremented after reload
CSCse59109	IPServices	high CPU usage when IP SLA is enabled
CSCsi99841	IPServices	vrf-aware trustpoint authentication/enrollment doesn't work
CSCsm52759	IPServices	% Internal software error: 22 seen on telnetting to ipv6 hosts
CSCsz72591	IPServices	Router configured as a DHCP client crashes with crafted DHCP packet.
CSCsz97239	IPServices	PmtuAger Expiration and MSS value
CSCtc55616	IPServices	RSA key generation from SSH session disables SSH service in ION
CSCtd13820	IPServices	Show Standby causes unexpected exception to CPU: crash at standby_show
CSCtd32285	IPServices	No nat translation with PAT applied on VRF interfaces
CSCsc62963	LAN	Have configurable MTU Range 1500 -1530 on PA-1FE and PA-2FE
CSCsz05918	Management	CDP neighbors do not come up on vlan interface
CSCsz75221	Management	A local variable in cdp takes up 2k process stack space-prompting crash
CSCtc40711	Management	next-hop verify-availability still forwards traffic with no CDP neighbor
CSCtd43540	Management	Memory leak at cdp_handle_version_info
CSCtb76828	Multicast	%SYS-2-BADSHARE: Bad refcount in datagram_done for MSDP process
CSCsm42477	QoS	Sierra:Standby reloaded on QOS configuration.
CSCso29025	QoS	Sip-400: Traceback msgs at process_ok_to_reschedule
CSCsq11897	Routing	Spurious memory seen at idb_get_ip_addrs and idb_get_ip_unnum
CSCsq13111	Routing	7609s vlan traffic reporting
CSCsq99447	Routing	When BFD/ EIGRP configured in more than 32 vrf BFD does not come up
CSCsr05431	Routing	After SSO, cef removed vrf routes before bgp graceful timers time-out
CSCsr67177	Routing	Router with IPv6 OSPF crashes on reloading
CSCsr84530	Routing	Static route not properly redistributed into BGP -- backout CSCs192283
CSCsr88705	Routing	BGP route getting lost after "shut/no shut" of BGP peering interface
CSCsw30941	Routing	ospfNbrStateChange trap sent by non-DR
CSCsw99768	Routing	BGP malformed update sent
CSCsy58115	Routing	Continuous BGP mem increase with non established neighbors
CSCsz61156	Routing	NH is not stored in BGP table when IPv6 VRF is redistributed
CSCta07104	Routing	Config-Sync & Traffic failure in VPN SSO scripts
CSCta08632	Routing	ISIS topology broken after Sup force-switchover with ispf
CSCtb82674	Routing	IS-IS adjacency stays down after switchover
CSCtc45716	Routing	SNMPWALK of ipRouteEntry.7 with a view configured triggers high CPU
CSCtd73256	Routing	a catalyst switch may reload unexpectedly during 'show ip ospf int'

Identifier	Technology	Description
CSCte10790	Routing	c6500: device crashing on "no 250" on access-list
CSCse31829	Security	Memory leak in Crypto IKMP process
CSCsz83570	Security	SSH Sessions disconnect when viewing logs w/ pagers
CSCtc12312	Security	PKI may get stuck after 32678 CRL fetches
CSCsi05069	WAN	DCE Sub-interface is not coming up after provisioning
CSCsw31019	WAN	Router crashes while configuring the command "frame-relay be 1"

Caveats Resolved in Release 12.2(33)SXH6

Resolved MPLS Caveats

- [CSCsz45567](#)—Resolved in 12.2(33)SXH6

A device running Cisco IOS Software, Cisco IOS XE Software, or Cisco IOS XR Software is vulnerable to a remote denial of service condition if it is configured for Multiprotocol Label Switching (MPLS) and has support for Label Distribution Protocol (LDP).

A crafted LDP UDP packet can cause an affected device running Cisco IOS Software or Cisco IOS XE Software to reload. On devices running affected versions of Cisco IOS XR Software, such packets can cause the device to restart the mpls_ldp process.

A system is vulnerable if configured with either LDP or Tag Distribution Protocol (TDP).

Cisco has released free software updates that address this vulnerability.

Workarounds that mitigate this vulnerability are available.

This advisory is posted at: <http://www.cisco.com/warp/public/707/cisco-sa-20100324-ldp.shtml>

Resolved Routing Caveats

- [CSCsv30595](#)—Resolved in 12.2(33)SXH6

Symptoms: Cisco IOS device may crash.

Conditions: A Cisco IOS device may crash upon receiving a malformed OSPF message.

Before the issue can be triggered, the Cisco IOS device must be able to establish adjacency with an OSPF peer. The issue will then occur when the processing an OSPF message sent by the peer.

Workaround: There is no workaround. Using OSPF authentication can reduce/minimize the chance of hitting this issue.

Resolved Security Caveats

- [CSCsx70889](#)—Resolved in 12.2(33)SXH6

Cisco devices running affected versions of Cisco IOS Software are vulnerable to a denial of service (DoS) attack if configured for IP tunnels and Cisco Express Forwarding.

Cisco has released free software updates that address this vulnerability.

This advisory is posted at

<http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090923-tunnels>

Resolved Unknown Caveats

- [CSCsy07555](#)—Resolved in 12.2(33)SXH6

Cisco IOS devices that are configured for Internet Key Exchange (IKE) protocol and certificate based authentication are vulnerable to a resource exhaustion attack. Successful exploitation of this vulnerability may result in the allocation of all available Phase 1 security associations (SA) and prevent the establishment of new IPsec sessions.

Cisco has released free software updates that address this vulnerability.

This advisory is posted at

<http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090923-ipsec>

- [CSCsy15227](#)—Resolved in 12.2(33)SXH6

Cisco IOS Software configured with Authentication Proxy for HTTP(S), Web Authentication or the consent feature, contains a vulnerability that may allow an unauthenticated session to bypass the authentication proxy server or bypass the consent webpage.

There are no workarounds that mitigate this vulnerability.

This advisory is posted at the following link:

<http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090923-auth-proxy>

Other Resolved Caveats in Release 12.2(33)SXH6

Identifier	Technology	Description
CSCin67182	AAA	Crash in aaa_sg_v2_get_next_server on trying unconfigured radius ser
CSCsc97727	AAA	Access Point Crashes When Removing TACACS Server
CSCse12395	AAA	Check keys error for accounting does not cause failover
CSCsh34529	ATM	autobahn76: ATM interface config lost on standby RP
CSCsx43905	ATM	Router Crash at dlencia.c on 12.2(33.4.14)SXH
CSCee25454	Cisco IOS	SADB peering process leaks memory after overnight test
CSCek53099	Cisco IOS	SIP200+4xT3/E3:Fail to load cRTP CFG from startup file
CSCsd39568	Cisco IOS	stats support for PBR set ip nexthop/set interface
CSCsg35285	Cisco IOS	Slower Cache refresh for int stats when more interfaces up
CSCsi46897	Cisco IOS	PRE crash after snmpwalk on mib cbQosSetStatsTable
CSCsj26698	Cisco IOS	Acct-Session-Id in Accounting-Request is different from in Access-Reques
CSCsk25046	Cisco IOS	Not all ifIndex'es are in cbQosServicePolicyTable
CSCsk29975	Cisco IOS	Tunnel not up, invalid local address after modify the local address .
CSCsk62407	Cisco IOS	CPU HOG@fm_format_addr_to_compare on applying large IPv6 ACL
CSCsl61273	Cisco IOS	Standby crash after autoqos config
CSCsl72962	Cisco IOS	Mask the debug message error in multicast throttle logic
CSCsm39160	Cisco IOS	TestCFRW shows incorrectly as failed in show diagnostic sanity
CSCsm45254	Cisco IOS	OBFL ENV app in infinite-loop causing high CPU
CSCsm84073	Cisco IOS	c2w2:vrf ping fails after toggle mls mpls recir, sso,remove/add ip vrf
CSCsm84163	Cisco IOS	Memory leak for IKE/IPSEC after hsrp failover, router crashed w/ no mem
CSCso35876	Cisco IOS	SRB3:New active SP crash at label_entry_get_inlabel

Identifier	Technology	Description
CSCso36150	Cisco IOS	duplicate vlan names causing config-sync failures
CSCso59242	Cisco IOS	sierra: show mem detailed all stat is truncated.
CSCso79925	Cisco IOS	EC with enhanced hash method (PFC3C) has no knob to use old method (3B)
CSCso89644	Cisco IOS	c2w2::Missing idb for fibidb NDE_vlan1019 messages and tracebacks after
CSCsq31935	Cisco IOS	6500 - L3 port channel - CDP packet sent tagged in internal vlan
CSCsq55506	Cisco IOS	Inter community PVLAN traffic is software switched
CSCsq69567	Cisco IOS	SSO Switchover + unicast-routing chg cause MC traffic loss for 2 minutes
CSCsq78343	Cisco IOS	Tidy up the netflow sub flow code
CSCsq96144	Cisco IOS	Netflow v9 Exported Data issue in case of ECMP
CSCsr04916	Cisco IOS	PBR dropped the packets after add set vrf vpn1 back to the route-map
CSCsr63098	Cisco IOS	VRF-Aware Smart-Call Home requirement
CSCsr99518	Cisco IOS	Granikos should not init rekey after receiving new outbound SA at QM3
CSCsu11487	Cisco IOS	pm_fec_is_mec() returns FALSE when 1 of 5 local MEC members is shutdown
CSCsu27660	Cisco IOS	CDP packet sent tagged in internal vlan
CSCsu29301	Cisco IOS	C2W21: Ingress SPAN on Sup - ACE module duplicates packets
CSCsu36715	Cisco IOS	W2.0 : C2 : ION : Memory Leak in MSDP process
CSCsu67413	Cisco IOS	RRI - Route disappears after ipsec rekey with multi int scenario
CSCsu92395	Cisco IOS	Crash caused by event manager configuration: "action mail"
CSCsv12378	Cisco IOS	c2w2:Memory leak in Crypto IKMP process on IOS EzVPN server
CSCsv24908	Cisco IOS	L2 Fwd Broken on other modules when SIP-400 int flaps
CSCsv27372	Cisco IOS	telnet to a real(directed mode) via GRE tunnel crates SUP crash on SRC2
CSCsv27548	Cisco IOS	Cat6k/sip200: PPP packets punted sip200 multilink interface
CSCsv27617	Cisco IOS	Flow creation disabled in netflow table after reload for WAN main ints
CSCsv52025	Cisco IOS	call-home: Port numbers cannot be added to URLs with IP addresses
CSCsv59334	Cisco IOS	Connected nets redistrib from eigrpTObgp when no net 0 is set under eigrp
CSCsv63799	Cisco IOS	PfR MC/BR bus error crash in ip fast flow
CSCsw14147	Cisco IOS	VACL unable to capture traffic from RP
CSCsw32280	Cisco IOS	Diag error on WS-X6148A-45AF card asic with Traffic
CSCsw41706	Cisco IOS	router reload when registering EEM service diag script
CSCsw48181	Cisco IOS	Unknown Unicast is dropped on Shut/no Shut of a VLAN
CSCsw52819	Cisco IOS	Kernel dumper needs a few enhancements.
CSCsw68514	Cisco IOS	SLB probes iin TESTING state while using client cmd in Vserver config
CSCsw76117	Cisco IOS	TBs seen after redundancy mode change from sso to rpr
CSCsw78413	Cisco IOS	BFD over ATM subinterfaces is broken in recent SR images
CSCsw83488	Cisco IOS	Negative value seen for counters in vpn session
CSCsx09110	Cisco IOS	Failed to establish ipsec tunnel with CCM
CSCsx20862	Cisco IOS	Peer RP index unknown messages seen on VSS setup

Identifier	Technology	Description
CSCsx21886	Cisco IOS	ISSU switchover command sync issue
CSCsx29377	Cisco IOS	1 sec multicast loss on standby sup720-10g
CSCsx49889	Cisco IOS	SPA-IPSEC-2G-3-ACEI0TCAMFAILE:SpdSpInstall:cannot install Sp TmInsertSp
CSCsx55152	Cisco IOS	Switch does not send TC trap if it is not a root bridge
CSCsx58786	Cisco IOS	Router crash @ routemap_track_nexthop
CSCsx82825	Cisco IOS	Shutdown Loopback interfaces in VSS recovery mode
CSCsy01275	Cisco IOS	W15:: SYS-2-MALLOCFAIL: Memory allocation message seen after bootup
CSCsy01763	Cisco IOS	15 - 20 packets leak to DST with PACL after SSO
CSCsy03587	Cisco IOS	c2w2b: SYS-2-MALLOCFAIL: Memory allocation failed seen with tracebacks
CSCsy08838	Cisco IOS	Zamboni allows clear packet inbound on protected interface
CSCsy16220	Cisco IOS	a switch may crash due to deadlock between snmp and eem
CSCsy21797	Cisco IOS	Cat6k-Unexpected SNMP messages occurred
CSCsy24895	Cisco IOS	Memory leak in ACE HAPI process
CSCsy26526	Cisco IOS	Router is getting crashed at netconf_sessionQs_set_max_message
CSCsy26979	Cisco IOS	33SXH5: Traceback seen @satvs_assert_class3
CSCsy34566	Cisco IOS	Disable VLAN mapping on ME6524, 6148A-GE-TX
CSCsy37175	Cisco IOS	2FE-PA Subintf lost connection after chassis/Flexwan2 reload
CSCsy41526	Cisco IOS	PIM msgs duplicated when MPLS configured and IGMP Snooping Off on xface
CSCsy54365	Cisco IOS	frequent datapath recovery and traffic loss on WS-X6704 with DFC
CSCsy58886	Cisco IOS	NGN:Active crashes when standby booting up on SRC2->SRC3 ISSU
CSCsy61956	Cisco IOS	Crash in ios-base when running 'show ip route' or 'show bgp' commands
CSCsy62753	Cisco IOS	MST configured router crashed after receiving PVST BPDU.
CSCsy69228	Cisco IOS	Add CLI mls cef tunnel fragment support for non supertycho2
CSCsy69740	Cisco IOS	SXH: Traffic drop on L2 PO after cleared psecurity on rcving L2 ports
CSCsy78994	Cisco IOS	Memory leak in Service Task
CSCsy82121	Cisco IOS	IGMP Source only not working due to MC_CAP not set
CSCsy85171	Cisco IOS	CDL2 Read Error: Time out
CSCsy86050	Cisco IOS	MAC Move Notifications on VSS between active and down ports
CSCsy87619	Cisco IOS	VSS port channel going down when powering down active switch
CSCsy95520	Cisco IOS	~500msec Pkt loss after transition to HSRP Active on L3 int
CSCsz01976	Cisco IOS	Need a cli to dump the rommon environment and unset rommon variable
CSCsz06187	Cisco IOS	VACL capture for ingress software switched packets
CSCsz07068	Cisco IOS	VSS: Output Drops on a VSL port due to small Tx Queue limit
CSCsz12369	Cisco IOS	FPD support for SPA-8X1FE-TX-V2 is not enabled
CSCsz14072	Cisco IOS	Memory leak at "MAB Framework" process when dot1x is enabled
CSCsz20625	Cisco IOS	Error message seen if SIP Is OIR'd during Standby SUP bootup
CSCsz22954	Cisco IOS	Supported WS-X6324-100FX-MM is powered down improperly

Identifier	Technology	Description
CSCsz23448	Cisco IOS	SIP 200 not coming up and Router Crashes after applying card type E3 1 1
CSCsz40969	Cisco IOS	Need to add Me_Kr flow-control status registers back into sierra/whitney
CSCsz42143	Cisco IOS	WS-X6148A-GE-TX module fails keepalives when excessive errors on port.
CSCsz44678	Cisco IOS	Tunnel won't forward traffic across global to vrf
CSCsz47077	Cisco IOS	SWITCH_NUMBER rommon variable set on its own and by "wr erase" command
CSCsz55834	Cisco IOS	GLBP may provided BIA MAC instead of Virtual MAC for mobile users
CSCsz62046	Cisco IOS	Crash at memcpy after CPUHOG in SNMP ENGINE
CSCsz63359	Cisco IOS	c2w2b:"show mls qos ip" displays vslot interface instead switchid and sl
CSCsz67334	Cisco IOS	ciscoEnvMonTemperatureStatus trap sent sporadically as NotFunctioning
CSCsz71970	Cisco IOS	c2w2b: Freed Memory being Accessed by lldp_med_free_local_annex
CSCsz75820	Cisco IOS	JQL: VSS hang on SP after RP crashed by software-forced reload
CSCsz76015	Cisco IOS	C2W2: Need cli to set PF_BIAS to ensure lower slot# Sup boots as active
CSCsz84544	Cisco IOS	output drops increment on not-connected interface of 6548GE-TX module
CSCsz87648	Cisco IOS	SP/RP and redundant system handshake broken when the kernel crashes.
CSCsz92508	Cisco IOS	SPA module reloads when no response to keep-alive polling
CSCta01121	Cisco IOS	c2w1:MDEBUG traceback is seen while unconfiguring qos feature in FM.
CSCta05502	Cisco IOS	Spurious memory access made at psecure_port_del_addr_by_mac_imp
CSCta06175	Cisco IOS	Cat6500/SXH: Deleted configs re-appear on IDSM reset
CSCta10870	Cisco IOS	FPOE takes long time to be programmed on active vss switch
CSCta21771	Cisco IOS	%CONST_DIAG-SP-3-HM_FCI_0_STUCK: Flow control stuck at 0 error on modul
CSCta27279	Cisco IOS	WCCP s/w switching with Ingress redirection & interface ACL
CSCta48968	Cisco IOS	Modular IOS kernel crashinfo has missing information
CSCta52689	Cisco IOS	cat6k crash in RP due to address error with wccp configuration
CSCta53157	Cisco IOS	SPA-4XT3/E3 int in SIP-200 admin-down on standby after fpd upgrade
CSCta55498	Cisco IOS	[Modular IOS] MIPS CP0 registers save algorithm needs a few improvements
CSCta74315	Cisco IOS	WS-X6324-100FX-MM May Be Inoperable and Have Status "Other"
CSCta76808	Cisco IOS	add CLI command for medium buffer pool
CSCta94179	Cisco IOS	Recirculated MPLS packets because of egress service policy are dropped
CSCtb23289	Cisco IOS	Major temperature alarm has to force system shutdown
CSCtb28032	Cisco IOS	Changing module corrupts Flex Link
CSCtb28712	Cisco IOS	SPAN Reflector not enabled for WS-SVC-ADM-1-K9
CSCtb38547	Cisco IOS	Incorrect CP0 values and empty kernel variable section in kernel crashin
CSCtb60330	Cisco IOS	VTI: Missed DPD ACK on phase 1 expiry causing phase 2 deletion.
CSCtb63352	Cisco IOS	VSS: With 6KW DC PS, no power to bringup VSL supervisor or linecard
CSCtb66983	Cisco IOS	Nas-port-type is missing in Access-request
CSCtb68478	Cisco IOS	"Illegal nextSsIndex value" message should be removed
CSCtb87454	Cisco IOS	DHCP Rogue Server Detection

Identifier	Technology	Description
CSCee83031	Infrastructure	test crash, dumping log before command is displayed
CSCsc77704	Infrastructure	region_find_by_addr goes into infinite loop when spurious memory occurs.
CSCsc88003	Infrastructure	Issuing banner exec commnad under interface range crash switch
CSCsd99763	Infrastructure	Cisco 7200 series reload unexpectedly while configuring BGP acces list
CSCse40379	Infrastructure	IP SLA: Increasing the request-data-size via CLI crashes the device.
CSCsk41686	Infrastructure	PARSER-3-CFGLOG_NOMEM: constanlty in log
CSCsm66896	Infrastructure	IP SLA Monitor strDupOctet memory leak
CSCsq74185	Infrastructure	Image verification not possible on 12.2(33)SRC for the c7200
CSCsr08750	Infrastructure	router is crashing after giving the command memory reserve critical 1
CSCsr94474	Infrastructure	Running-config stuck: nv_csb_semaphore locked during copy run ftp
CSCsu65967	Infrastructure	Modular IOS crash at free_lite_internal
CSCsv90106	Infrastructure	nested crash leads to incomplete crashinfo
CSCsx10028	Infrastructure	Core dump may fail to write
CSCsy86078	Infrastructure	Memory corruption Failure
CSCsz19466	Infrastructure	C2W1: int range command with port-channel load-defer cause router crash
CSCsz52815	Infrastructure	Crash when 'history hours-of-statistics-kept' has value greater than 9
CSCta02715	Infrastructure	SXH5: RP crash on each booting time if <logging count> enabled
CSCed01880	IPServices	Not able to configure NAT tcp timeouts beyond 4194 sec
CSCsa41736	IPServices	Router crash after enable NAT rate-limit feature
CSCsa47672	IPServices	NAT refcount counter maximum value of 65536 (64K)
CSCse01431	IPServices	NAT-CCE : NAT SBC : outside sip call not go through
CSCse66643	IPServices	SYS-2-NOBLOCK error when redistributing NAT routes
CSCsj19805	IPServices	ip igmp static-group broken after reload on int vlan on a 7600
CSCsk23972	IPServices	Telnet failed with "No wild listener" error
CSCsw52416	IPServices	NAT: dynamic nat entries do not timeout in certain case
CSCsw65614	IPServices	NAT with route maps doesn't work for TCP application
CSCsx33622	IPServices	Fix MSS calcuation issue in TCP
CSCsx34372	IPServices	c2w21/C2W2b:OSPF is not working with udlr/ude
CSCsy39623	IPServices	cannot ping local vlan interface ip address with NAT configured
CSCsy39667	IPServices	dhcp-proxy-client incorrectly sends DHCPRELEASE in PPP-agg use-case
CSCsy97506	IPServices	All nat'ed multicast packets punted to software
CSCsz12488	IPServices	LDAP add with malformed BER attributes causes CPUHOG and MALLOCFAIL
CSCsz56393	IPServices	Modular IOS - SUP720 - Sends malformed syslog packet
CSCsz89107	IPServices	high cpu due to ip_input process during SNMP trap
CSCsz91851	IPServices	NAT : ESP packets not translated with static NAT outside translation
CSCta24043	IPServices	"%IPNAT-4-ADDR_ALLOC_FAIL" message seen when all ports are not allocated
CSCta83548	IPServices	NAT Platform: unable to clear an specific nat entry

Identifier	Technology	Description
CSCta89283	IPServices	Add support for NAT redundancy feature in SX releases
CSCtb58282	IPServices	show tcp brief can cause crash
CSCsz71787	LegacyProtocols	Router crash by crafted IP packet.
CSCej82248	MPLS	%LFD-3-NOOCE: Traceback in lfd_fib_update_mpls_oces
CSCsy60668	MPLS	W1.5:: Toggle "mpls tra router-id" cause router crash
CSCsz11877	MPLS	MPLS-TE Tunnel label re-allocation on mid-point router while RSVP-GR
CSCsz75180	MPLS	Crash due to mpls subintf being removed
CSCsz92368	MPLS	MDEBUG-2-ACCESSFREED: @tc_handle_dead_peers Enabling/disabling "mpls ip"
CSCsx34506	Multicast	RPF failure with no PIM neighbor triggers PIM Hello
CSCta26106	QoS	RSVP-3-CONSISTENCY error followed by an unexpected reboot.
CSCse15634	Routing	neighbor default-originate doesn't work in address-family ipv4 multicast
CSCse45978	Routing	BGP to RIP redistribution breaks as RIP nexthop moves to alternate path
CSCsg92473	Routing	Switch crashes - IPV6 reflexive acl scalability test
CSCsl90028	Routing	CEF low mem crash after pumping more than 1Lac OSPF routes
CSCsm05082	Routing	BGP Dampening penalty not decaying on frqnt 'sh ip bgp v all' [dampening
CSCsm79085	Routing	EIGRP routes flapping due to nexthop changed
CSCso07371	Routing	SCHED-7-WATCH: Attempt to set uninitialized watched boolean in pfxlist
CSCsq20928	Routing	CEFv6 dropping IPv6 unicast packets
CSCsq45082	Routing	ip route with associated track/sla gets removed when track is still up
CSCsq83006	Routing	Port-channel down makes EIGRP SIA
CSCsr27794	Routing	BGP updates stuck during peer flap
CSCsu96698	Routing	BGP: /32 route being advertised while 'summary-only' is configured
CSCsv17933	Routing	Static route in VRF is not redistributed by RIP after link flap
CSCsv73754	Routing	crash during vrf unconfig - bgp_vpn_impq_add_vrfs_cfg_changes
CSCsx08294	Routing	OSPF encounters a bus error crash when running SPF
CSCsx51299	Routing	Crash when remove and configure ipv6 ACL via telnet and console
CSCsx98673	Routing	PE not send extended-community to a peer newly added to peer-group
CSCsy29534	Routing	Bus error crash on removing address-familly in router rip config mode
CSCsy73123	Routing	Connected route on port-channel subintf not removed when Po is down
CSCsy76404	Routing	Modular IOS: memory leak in CEF background process
CSCsy77842	Routing	TB isis_process_no_router after isis router process deleted
CSCsy84134	Routing	ARP table is flushed when deleting secondary IP address
CSCsz16724	Routing	BGPv6: default-metric is not being NVGEN'ed and not functioning
CSCta60119	Routing	non recursive accounting can cause prefixes linked to drop
CSCsc49862	Security	IPAddress in Subject Alternative Name is not parsed correctly.
CSCso27236	Security	IOS CA client shows renew date 1 Jan 1970
CSCsv23797	Security	SSH:Crash seen on 7200 on mcp_dev

Identifier	Technology	Description
CSCsv54863	Security	IOS PKI: Not expired Certificate is deleted if autoenrollment fails
CSCsz84055	Security	System crashed unexpected while open ssh2 session
CSCtb36521	Security	PKI get stuck in pager when requesting to fetch SCEP capabilities
CSCtc41114	Security	New SSH sessions with RSA key fails after changing hostname
CSCsi56413	WAN	PA-POS-OC3SMI interface output stuck .

Caveats Resolved in Release 12.2(33)SXH5

Resolved AAA Caveats

- [CSCsv73509](#)—Resolved in 12.2(33)SXH5

Symptoms: When “no aaa new-model” is configured, authentication happens through the local even when tacacs is configured. This happens for the exec users under vty configuration.

Conditions: Configure “no aaa new-model”, configure **login local** under **line vty 0 4** and configure **login tacacs** under **line vty 0 4**.

Workaround: There is no workaround.

Resolved Infrastructure Caveats

- [CSCsr72301](#)—Resolved in 12.2(33)SXH5

Symptom: Three separate Cisco IOS Hypertext Transfer Protocol (HTTP) cross-site scripting (XSS) vulnerabilities and a cross-site request forgery (CSRF) vulnerability have been reported to Cisco by three independent researchers.

The Cisco Security Response is posted at the following link:

<http://tools.cisco.com/security/center/content/CiscoSecurityResponse/cisco-sr-20090114-http>

Conditions: See “Additional Information” section in the posted response for further details.

Workarounds: See “Workaround” section in the posted response for further details.

- [CSCsx49573](#)—Resolved in 12.2(33)SXH5

Symptom: Three separate Cisco IOS Hypertext Transfer Protocol (HTTP) cross-site scripting (XSS) vulnerabilities and a cross-site request forgery (CSRF) vulnerability have been reported to Cisco by three independent researchers.

The Cisco Security Response is posted at the following link:

<http://tools.cisco.com/security/center/content/CiscoSecurityResponse/cisco-sr-20090114-http>

Conditions: See “Additional Information” section in the posted response for further details.

Workarounds: See “Workaround” section in the posted response for further details.

Resolved IPServices Caveats

- [CSCsk64158](#)—Resolved in 12.2(33)SXH5

Several features within Cisco IOS Software are affected by a crafted UDP packet vulnerability. If any of the affected features are enabled, a successful attack will result in a blocked input queue on the inbound interface. Only crafted UDP packets destined for the device could result in the interface being blocked, transit traffic will not block the interface.

Cisco has released free software updates that address this vulnerability.

Workarounds that mitigate this vulnerability are available in the workarounds section of the advisory.

This advisory is posted at the following link:

<http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090325-udp>

- **CSCsm27071**—Resolved in 12.2(33)SXH5

A vulnerability in the handling of IP sockets can cause devices to be vulnerable to a denial of service attack when any of several features of Cisco IOS Software are enabled. A sequence of specially crafted TCP/IP packets could cause any of the following results:

- The configured feature may stop accepting new connections or sessions.
- The memory of the device may be consumed.
- The device may experience prolonged high CPU utilization.
- The device may reload.

Cisco has released free software updates that address this vulnerability.

Workarounds that mitigate this vulnerability are available in the “workarounds” section of the advisory.

The advisory is posted at

<http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090325-ip>

- **CSCsm45390**—Resolved in 12.2(33)SXH5

Symptom: An IOS software crash may occur when receiving a specific malformed DHCP packet.

Conditions: An IOS device configured for DHCP Server and receives a DHCP-request from a DHCP relay device. A specific malformed option in the packet may induce a software traceback or crash. The specific packet will not occur without manual modification.

Workaround: None.

- **CSCsv04836**—Resolved in 12.2(33)SXH5

Multiple Cisco products are affected by denial of service (DoS) vulnerabilities that manipulate the state of Transmission Control Protocol (TCP) connections. By manipulating the state of a TCP connection, an attacker could force the TCP connection to remain in a long-lived state, possibly indefinitely. If enough TCP connections are forced into a long-lived or indefinite state, resources on a system under attack may be consumed, preventing new TCP connections from being accepted. In some cases, a system reboot may be necessary to recover normal system operation. To exploit these vulnerabilities, an attacker must be able to complete a TCP three-way handshake with a vulnerable system.

In addition to these vulnerabilities, Cisco Nexus 5000 devices contain a TCP DoS vulnerability that may result in a system crash. This additional vulnerability was found as a result of testing the TCP state manipulation vulnerabilities.

Cisco has released free software updates for download from the Cisco website that address these vulnerabilities. Workarounds that mitigate these vulnerabilities are available.

This advisory is posted at

<http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090908-tcp24>.

- **CSCsw18636**—Resolved in 12.2(33)SXH5

Symptom: High CPU utilization after receives a ARP packet with protocol type as 0x1000.

Conditions: This problem occurs on SUP32 running 12.2(33)SXI. This problem does not occur on SUP720. The problem is only seen when you have bridge-group CLI being used which lead to arp pkts with protocol types as 0x1000 being bridged. The problem does not apply for IP ARP packets.

Workaround: Filter the ARP packet. The device Config should have bridge-group creation first; followed by interface specific bridge-group options.

Additional Information: This problem is now isolated to command ordering in the startup-config file. The **bridge <>** command is saved before the **bridge-group <>** command (which is run in the interface-config mode) is saved. The linking of IDB to bridge structure is not happening correctly and some check fails in the bridge code that lets the packet to be processed again and again instead of being dropped.

If the **bridge-group <>** command is removed in the startup-config and only applied after the **bridge <>** command is run, the problem will go away. Please use this workaround until a fix is put in.

- [CSCsr29468](#)—Resolved in 12.2(33)SXH5

Cisco IOS Software contains a vulnerability in multiple features that could allow an attacker to cause a denial of service (DoS) condition on the affected device. A sequence of specially crafted TCP packets can cause the vulnerable device to reload.

Cisco has released free software updates that address this vulnerability.

Several mitigation strategies are outlined in the workarounds section of this advisory.

This advisory is posted at

<http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090325-tcp>

Resolved LAN Caveats

- [CSCsv05934](#)—Resolved in 12.2(33)SXH5

Summary: Cisco's VTP protocol implementation in some versions of Cisco IOS and CatOS may be vulnerable to a DoS attack via a specially crafted VTP packet sent from the local network segment when operating in either server or client VTP mode. When the device receives the specially crafted VTP packet, the switch may crash (and reload/hang). The crafted packet must be received on a switch interface configured to operate as a trunk port.

Workarounds: There are no workarounds available for this vulnerability.

This response is posted at

<http://tools.cisco.com/security/center/content/CiscoSecurityResponse/cisco-sr-20081105-vtp>

Resolved Multicast Caveats

- [CSCso90058](#)—Resolved in 12.2(33)SXH5

Symptom: MSFC crashes with RedZone memory corruption.

Conditions: This problem is seen when processing an Auto-RP packet and NAT is enabled.

Workaround: None known at this time.

- [CSCsu79754](#)—Resolved in 12.2(33)SXH5

Symptoms: PIM packets may be processed on interfaces which PIM is not explicitly configured.

Conditions: Unknown at this time.

Workarounds: Create an ACL to drop PIM packets to such interfaces.

Resolved Routing Caveats

- [CSCsx73770](#)—Resolved in 12.2(33)SXH5

Symptom: A Cisco IOS device that receives a BGP update message and as a result of AS prepending needs to send an update downstream that would have over 255 AS hops will send an invalid formatted update. This update when received by a downstream BGP speaker triggers a NOTIFICATION back to the sender which results in the BGP session being reset.

Conditions: This problem is seen when a Cisco IOS device receives a BGP update and due to a combination of either inbound, outbound, or both AS prepending it needs to send an update downstream that has more than 255 AS hops.

Workaround: The workaround is to implement **bgp maxas-limit X** on the device that after prepending would need to send an update with over 255 AS hops. Since IOS limits the route-map prepending value to 10 the most that could be added is 21 AS hops (10 on ingress, 10 on egress, and 1 for normal eBGP AS hop addition). Therefore, a conservative value to configure would be 200 to prevent this condition.

Other Resolved Caveats in Release 12.2(33)SXH5

Identifier	Technology	Description
CSCec82106	AAA	Router crashes with a bus error when removing AAA comands
CSCei62358	AAA	Downloading callback-dialstring as part of Tacacs+ author leads to crash
CSCin40015	AAA	telnet to NAS fails when user profile has access-profile
CSCsc78999	AAA	Address Error exception at TPLUS
CSCse02550	AAA	ip radius source-interface not used in combination with vrf
CSCsl63494	AAA	Issue with session accounting in AAA
CSCsq37815	AAA	Case sensitive Username authentication is passed with wrong user name
CSCsq94524	AAA	"aaa accounting update newinfo" causes extra "jitter maximum 0" option
CSCsv06973	AAA	Router Crashes at tplus_shutdown_single_connection
CSCsw19816	AAA	cat6000: IOS login enhancments not creating logs for telnet with AAA
CSCsy00716	AAA	Accounting record has sensitive information in clear text structure
CSCso64050	ATM	HA functionality is not working when policy attached to atm pvc
CSCeg35237	Cisco IOS	Watchdog crash after sh crypto session
CSCeg80842	Cisco IOS	PA-MC-8TE1 controller stuck (similar to CSCdz72292)
CSCek70131	Cisco IOS	SIP1 crash at vip_mlp_fastsend with HEARTBEAT error for mlppp qos
CSCek77996	Cisco IOS	High CPU caused by data traffic with crypto map in crypto connect mode
CSCsd04608	Cisco IOS	MQC-IPHC: Router crashed while testing mqc-iphc test
CSCsd45698	Cisco IOS	Cat6K: SLB punted to CPU if src_index is port-channel index
CSCse63833	Cisco IOS	SNMP bus error while polling cipsStaticCryptomapTable .
CSCsg14926	Cisco IOS	Standby can not boot because of insufficient memory with 32K interfaces
CSCsg83756	Cisco IOS	SPA-8XCHT1/E1 after Reload C/A LED green even if no cable plugged
CSCsg87290	Cisco IOS	SIP1-ChOC3: Extra path flap is observed on ChOC3 SPA interfaces
CSCsh22225	Cisco IOS	CWAN_HA-STDBY-4-IFCFG_PLAYBACK_ERROR:
CSCsi55428	Cisco IOS	FRU Trap sequence incorrect when " hw-module subslot shutdown unpowered"

Identifier	Technology	Description
CSCsi78584	Cisco IOS	T3/E3 SPA:Line protocol is not comin up with E3 and framing bypass
CSCsj19308	Cisco IOS	PE and CE ping fails over multilink ppp bundle. .
CSCsk30196	Cisco IOS	BADBUFFER error at pak_copy_contiguous_to_contiguous
CSCsk33045	Cisco IOS	MST BPDU *must* be sent untagged, even when the switch is configured wit
CSCsk49151	Cisco IOS	Vlan policy-map rejected upon reloading.
CSCsk67417	Cisco IOS	Crash while two or more users displays: show ip arp inspection log
CSCsk84498	Cisco IOS	EVERGLADES:archive,write-mem feature broken
CSCsk89091	Cisco IOS	HWIF-QOS-ERR: Failure installing Port QoS TX/Rx setting
CSCsl44170	Cisco IOS	LI tapped PPPoE LCP/PPP control packets originated from router are bogus
CSCsl53279	Cisco IOS	Physical interfaces on Cat6k set to 10 usec regardless of line speed
CSCsl72332	Cisco IOS	cat6k crash with 'no mobility network-id 4'
CSCsm44147	Cisco IOS	SSO failure due to mismatched command on SRB1
CSCsm66678	Cisco IOS	Policing not working in MPLS cloud
CSCsm72121	Cisco IOS	W2: bad cookie magic was detected after SSO switchover with sh vtp count
CSCsm74948	Cisco IOS	mVPN RP does not send join to directed connected neighbor PE
CSCsm76792	Cisco IOS	PM HA bulk sync posting RF_DONE before bulk sync has finished
CSCsm79995	Cisco IOS	Tracebacks are seen while attaching service-policy in a atm pvc
CSCsm83256	Cisco IOS	IDSM2 Data port operation status not OK after boot OR SSO
CSCsm98671	Cisco IOS	TestTrafficStress fails with certain configuration
CSCso03419	Cisco IOS	VRF_Lite aware PBR: Set ip vrf clause changes on Reload/SSO with SIERRA.
CSCso05889	Cisco IOS	Pak Subblock creation fails from CEF in ION
CSCso11489	Cisco IOS	%SYS-SP-3-INVMEMINT while collecting ION crashinfo
CSCso11822	Cisco IOS	LACP PC switchport, on OIR, "channel group 112 active" config gets lost
CSCso35659	Cisco IOS	L3 traffic rate limited after adding and removing Xcon to a SVI
CSCso38671	Cisco IOS	VS specific message seen on Sup32 image when "erase startup-config"
CSCso40891	Cisco IOS	Stb rp reloaded during every bootup, process = FM, fm_free_platform_data
CSCso72250	Cisco IOS	Incorrect color for SYSTEM led of Active and Standby sup in VS mode
CSCso88183	Cisco IOS	DOME:dumper.proc crashes on dome when another process crashes
CSCso93350	Cisco IOS	Boot string fails to set in rommon but no error message
CSCsq22383	Cisco IOS	SP crash due to CPU hog by online diags
CSCsq56941	Cisco IOS	6500 - Static MAC cleared from port-channel member ints after reload
CSCsq73122	Cisco IOS	Proxy-ARP returns BIA instead of VMAC with LAM
CSCsq82865	Cisco IOS	Parsing error reading route-map match statements if longer than 254 chrs
CSCsq87496	Cisco IOS	"%OIR-6-INSCARD" syslog not being send from the device
CSCsr06037	Cisco IOS	the monitor session source is removed by deleting sub-interface
CSCsr08482	Cisco IOS	PM support to program ethertype to all ports when port-group in mux mode
CSCsr09062	Cisco IOS	MLP+QoS - Memory corruption due to Change BW and flap int

Identifier	Technology	Description
CSCsr24647	Cisco IOS	MSFC autostate don't up svclc Vlan int after two SSO switchover
CSCsr29559	Cisco IOS	WCCP flap corrupts mcast CEF adjacency
CSCsr39272	Cisco IOS	%DATACORRUPTION-1 due to spa sensor temp overrunning buffer
CSCsr88845	Cisco IOS	unicast BootP replies dropped by DHCP snooping
CSCsu01372	Cisco IOS	33SB: Result of boot config command not sync to standby RP after reload
CSCsu10022	Cisco IOS	L2 traffic is policed when CoPP is enabled
CSCsu33707	Cisco IOS	Multicast traffic will not stop after PIM prune
CSCsu40077	Cisco IOS	MAB + Dot1x + aggressive timers leave port unauthorized but forwarding
CSCsu40166	Cisco IOS	PBR packets send out to wrong next hop MAC after ACL is changed
CSCsu48241	Cisco IOS	memory leak when removing igmp snooping with acl filtering
CSCsu49257	Cisco IOS	Cstn-id timer should be restarted when access-request is seen
CSCsu50413	Cisco IOS	RE: acl merge causes high rp cpu for ~50 min after reload
CSCsu67559	Cisco IOS	Copy Run Start does not provide the same functionality as 'wr mem'
CSCsu75546	Cisco IOS	C2W21: traffic not span to NAM using span conf mode local-tx source intf
CSCsu81158	Cisco IOS	Pkt drops on SIP-400 LC due to QoS lock fail for subintfs.
CSCsu83563	Cisco IOS	MMLS:If rate-lt on when STDBY reloads, doesnt work on swovr:x40/dual RSP
CSCsu86524	Cisco IOS	IKMP process leak: check_ipsec_proposal
CSCsu88557	Cisco IOS	[no] mdix auto" CLI command not present for WS-X6196-RJ21"
CSCsu91725	Cisco IOS	Bus crash problem due to cipSecGlobalStats MIB query
CSCsu95237	Cisco IOS	SSO switchover,clear packet seen on the wire exposing the inner IP pkt
CSCsu97020	Cisco IOS	policer on flexwan/multilink is dropping even CIR is not reached
CSCsu99270	Cisco IOS	CPUHOG observed when configuring more vlan interfaces
CSCsv05263	Cisco IOS	Sup32 crashes when dumping r2d2 registers
CSCsv07858	Cisco IOS	IfIndex for unconfigured VLAN on 7613
CSCsv09249	Cisco IOS	VSS after dual-active recovery MEC on standby chassis UDLD error disable
CSCsv14886	Cisco IOS	Failure to send RADIUS state attribute
CSCsv17989	Cisco IOS	interface in SIP200 show "admin down" when it is physical down
CSCsv20339	Cisco IOS	MN history table is flooded with multiple (~500) add/delete entries
CSCsv20768	Cisco IOS	After SSO s/wover, atm clock config changes to line and PTB to UNSTABLE
CSCsv20920	Cisco IOS	telnet from a GRE tunnel to real address for DNS vserver fails
CSCsv22779	Cisco IOS	VRF-PBR: Packets dropped with reflexive acl
CSCsv24742	Cisco IOS	PfR exit link is OOP when interface counter wraps
CSCsv30679	Cisco IOS	Sup detetes Vlans from Sup IDSM Config on startup / failover
CSCsv32101	Cisco IOS	QoS: memory corruption traceback when using access-list with time range
CSCsv37543	Cisco IOS	GRE/IPsec misconfig is only resovled through module or chassis reload
CSCsv38928	Cisco IOS	IGMP Snooping does not send out Global query on 2nd TCN < 35 seconds
CSCsv43991	Cisco IOS	FWSM's internal portchannel on the cat6k side goes down after upgrading

Identifier	Technology	Description
CSCsv44923	Cisco IOS	MAC move behind phone leads to lost connectivity with MAB
CSCsv52426	Cisco IOS	GRE Recirc index is 0x0 in adjacency hence encap operation fails on DFC
CSCsv57235	Cisco IOS	duplex is changing automatically on WS-X6148-RJ-45
CSCsv57305	Cisco IOS	VSS: software forced reload with 100Mbps SFPs in supervisor uplink ports
CSCsv58279	Cisco IOS	Reload due to Address Error with multicast configuration
CSCsv60643	Cisco IOS	sup4 when toggled 10g mode the config is not synced to standby sup
CSCsv64079	Cisco IOS	SXF7: Patching fails with WiSM Card on Cat6500
CSCsv66706	Cisco IOS	IDSM port-channel Allowed-Vlan statements lost on reload
CSCsv66827	Cisco IOS	Clearing the SSH session from a different vty session crashes the box.
CSCsv73299	Cisco IOS	L2 multicast forwarding broken with DHCP snooping & TTL rate-limiter
CSCsv74607	Cisco IOS	Pid 21: Process "IPC Seat Manager" stack 0x4732A474 savedsp 0x5002AE98
CSCsv75511	Cisco IOS	VSS:NAM on standby switch can't reach netwk after unconfig re-config ...
CSCsv76509	Cisco IOS	Cat6k/MSTP in compat mode BPDUs sent in VLAN1 regardless of config
CSCsv85551	Cisco IOS	SP crash due to consume all scp triggered by OIR loop when PS go off
CSCsv86288	Cisco IOS	Sending a hello response with a session-id element causes a crash
CSCsv92872	Cisco IOS	10GE link on Sup720-10GE takes more than 30sec to go down during crash
CSCsw17478	Cisco IOS	PVT HOSTS- ports programmed with incorrect rdt index upon bootup
CSCsw18793	Cisco IOS	VRF-PBR: TCAM adjacency not programmed with multiset policy order after
CSCsw25255	Cisco IOS	Rapid PVST : Slow convergence unless debug spanning event is turned on
CSCsw31607	Cisco IOS	LTL index incorrect in PI MET table
CSCsw39798	Cisco IOS	Sup32 failover causes line protocol down to IP phone with dot1x config
CSCsw41168	Cisco IOS	%ALIGN-3-SPURIOUS at sm_get_portEntPhyIndex
CSCsw41439	Cisco IOS	W21,VSL,SNMP,cvsCoreSwitchPreempt,cvsCoreSwitchPriority not SSO aware.
CSCsw43953	Cisco IOS	Card not identified SIP Is OIR'd during Standby SUP bootup
CSCsw45396	Cisco IOS	when STP recovered in uplinkfast,no sent dummy multicast packets
CSCsw48824	Cisco IOS	Switchport Block Unicast - prevents RTP on same VLAN
CSCsw51395	Cisco IOS	Proper handling is required for Mac-Filter with Port-security
CSCsw53362	Cisco IOS	c2w2b: Device crashes with NAT stress test
CSCsw59517	Cisco IOS	IGMPv3 snooping drops 'Block Old Sources' report
CSCsw73302	Cisco IOS	memory leak in qm_increment_ag_policer_usage on standby-rp
CSCsw82732	Cisco IOS	VPN-SPA internal vlan interface wedged in SXH4
CSCsw87352	Cisco IOS	6748's port can not forwarding traffic - port src index wrong
CSCsw87563	Cisco IOS	packets with multicast mac and unicast ip are software routed by cat6500
CSCsw90798	Cisco IOS	Bus error crash after configuring vlan name change
CSCsw98231	Cisco IOS	SDBY stuck @ CEF RRP RF Client(5025) after ISSU RV
CSCsx16206	Cisco IOS	Traffic loss issue from SFM capable modules to other device through DEC
CSCsx37615	Cisco IOS	VSS: rem comm standby-rp sh plat hardware capacity may reset switch

Identifier	Technology	Description
CSCsx39263	Cisco IOS	TCAM entries are not installed for TCP intercept after SSO
CSCsx70229	Cisco IOS	Add the symbols back in SXH throttle which were removed by CSCsw82732
CSCsx76308	Cisco IOS	HA client crashing attempting to free unassigned memory
CSCsx83443	Cisco IOS	crypto debug condition leaks messages which lead to high cpu.
CSCsy22802	Cisco IOS	MPLS VPN broken, vrf connection (permit missing for internal vlan acl)
CSCsy24691	Cisco IOS	entPhysicalTable has power-input 3 Sensor for 6kW DC PS1 and not PS2
CSCsy79691	Cisco IOS	RP crash with dot1x critical authentication configured
CSCsy83830	Cisco IOS	IOS-RLB crashes while deleting the username sticky
CSCsy96102	Cisco IOS	FM-4-MPLS_RSVD_VLAN_ERROR-failed to remove feature when vrf delete
CSCsr27727	Content	Cat6K experiences a reload after %SYS-2-ASSERTION_FAILED: message
CSCsx40747	Content	Router hangs while doing ip casa configurations
CSCed33145	Infrastructure	line vty exec-timeout not working properly, def causes spur mem acc
CSCef82896	Infrastructure	When removing the user name from auth dialog, http crashes
CSCek62770	Infrastructure	bundles need to include CW_ strings
CSCin79116	Infrastructure	show memory summary could push the CPU util to 100%
CSCsb98906	Infrastructure	Memory Leak with bgp regexp deterministic configuration
CSCsc86307	Infrastructure	c3845 crashed @ show_systat
CSCsd55059	Infrastructure	polling CISCO-FLASH-MIB slows down GSR
CSCse41523	Infrastructure	bootldr config caused stbyPRE reset if file does not exist on stby-bootf
CSCse49151	Infrastructure	3800 clock slip over times verified in lab
CSCsh66245	Infrastructure	Lowest memory is too low after reload on Cisco 10000
CSCsj24186	Infrastructure	%SYS-2-NOBLOCK messages from Pool Manager process
CSCsj67434	Infrastructure	The CLI: 'parser config cache interface' does not work
CSCsm27493	Infrastructure	procmib_server port has to send rpc reply only for RPC requests.
CSCso29361	Infrastructure	cfg added under interface range vlan not being added in redundant sup
CSCsq19159	Infrastructure	RP crashes in chassismib_add_sub_card_entry after linecard reload
CSCsv80900	Infrastructure	W21:: EARL-SPSTBY-2-SWITCH_BUS_IDLE & PF_ASIC-SPSTBY-3-ASIC_DUMP @boot
CSCsv86766	Infrastructure	Signature fail while copy, causing system:/running-config to be deleted
CSCsw35917	Infrastructure	SP syslog messages not sent as SNMP traps by RP's SNMP agent
CSCsw61555	Infrastructure	Router Crashes after doing SSO
CSCsx32841	Infrastructure	ceImageDescription may exceed 255 characters
CSCsx95675	Infrastructure	interface config disappear after "wr mem"
CSCsy55455	Infrastructure	Crash at saaComponentGet
CSCec72958	IPServices	Software forced crash when translating LDAP packet
CSCef58137	IPServices	Router Crash after high CPU, when IPNAT configured with route-map
CSCek10384	IPServices	7200 NAT dropping Out to In ESP Packets
CSCsh49973	IPServices	NAT-ALG corrupts offset value of DNS PTR response

Identifier	Technology	Description
CSCsj41479	IPServices	DHCP Services should not be enabled by default in IOS
CSCsj76907	IPServices	IPv6 UDP sockets may incorrectly show "--any--" for local address
CSCsk16821	IPServices	DHCP does not NAK after DHCPREQUEST from unknown client .
CSCsm89795	IPServices	Orbitty repeatedly Crashes - Susceptible to Denial of service attacks
CSCso02053	IPServices	NAT does not add dynamic aliases after reload.
CSCso04657	IPServices	SSLVPN service stops accepting any new SSLVPN connections
CSCso39062	IPServices	C2W2: %SYS-3-INVMEMINT: Invalid memory action message & TB's with PAT.
CSCso54027	IPServices	Spurious memory access in ttcp_rcv_stats
CSCsq14311	IPServices	7200 crash - ipnat_unlock_parent_entry (PPTP)
CSCsq81365	IPServices	MFI: UDP forwarded-protocols from VRF are leaked into global table
CSCsq92440	IPServices	Router Crash with igmp static grp classmap for 10k grps on 10 subints
CSCsu10108	IPServices	TFTP Server function is not working in 7600 router
CSCsu64215	IPServices	ip tcp adjust-mss command results in packet loss for non-TCP traffic
CSCsu72176	IPServices	Crash:Process Deadlock in Standby while reloading UUT with DHCP configs
CSCsu95319	IPServices	IGMP report was not sent to helper address.
CSCsv16987	IPServices	nat pool size more than 16 bit long should not be configured
CSCsv86201	IPServices	Modular IOS : max sockets overflow
CSCsw16698	IPServices	DHCP database could not be locked DHCPD process could not lock semaphore
CSCsw51864	IPServices	CHUNKFREE error and crash when changing NAT config
CSCsw68135	IPServices	Removing static nat with route-map cause Address Error
CSCsw73391	IPServices	ip igmp limit gets stuck
CSCsx09343	IPServices	Name resolution triggers pager in non-interactive mode.
CSCsx23602	IPServices	crash after 'clear ip nat trans *'
CSCsx32283	IPServices	Malformed L field in LDAP crashes 6k with NAT
CSCsx74657	IPServices	Many issues with NAT/Multicast feature
CSCsy26750	IPServices	6k Crash with ipnat_ldap_fixup (Redundancy Checks needed)
CSCsy45371	IPServices	NAT: two static nat entry related issues
CSCsw81485	LegacyProtocols	Unconfiguring IPX crashes the switch
CSCsu10229	Management	The cdpCacheAddress mib not providing GLOBAL_UNICAST Address
CSCsw66153	Management	Native vlan not displayed in show cdp neighbor detail
CSCsr50099	MPLS	show ip explicit-paths command incorrectly displays source route type
CSCsv00773	MPLS	Loose Path Reopt not applied when link costs changed
CSCsv41456	MPLS	Tracebacks seen at IFMGR-3-DUP_IFINDEXifDescr"Virtual-Access2-mpls layer
CSCsw35638	MPLS	FRR Interoperability issue between Juniper PLR and IOS MP
CSCsb77148	Multicast	sh ip mpacket x.x.x.x quality output is wrong after counter wraps around
CSCsr82895	Multicast	watchdog timeout : RP Crash @ igmp_rejoin_groups during RP Switchover
CSCsu86494	Multicast	Assert flag is not cleared after PIM neighbor loss

Identifier	Technology	Description
CSCsu95080	Multicast	mld_processs block forever in the init_process when parsing config
CSCsv29659	Multicast	RP configured inside the nat not shown on uut outside the nat
CSCsx15396	Multicast	Mcast IIF stays up while physical interface is down
CSCsx28948	Multicast	I/O Memory leak on 7200
CSCsx58861	Multicast	Crash due to Stack for iGMP process running low
CSCsf07760	PPP	MLP: Crashes/buffer leaks when large number of sessions come up at once
CSCsr81271	PPP	Invalid VCD error messages upon PVC flap
CSCsu70011	PPP	ipv6 static route pointing to multilink (flexwan) disappears after sso
CSCee63182	QoS	Router crashes while implementing rate-limit
CSCek75808	QoS	MF: Crash observed at qos_show_policymap_interface_all
CSCsl94263	QoS	Router crash at stile_update_fast_flag due to random-detect dscp-base
CSCsm97014	QoS	Connectivity breaks for QOS + header compression on virtual templates
CSCsr05501	QoS	% NBAR Error: hwidb could not found shows up when reload
CSCsv85791	QoS	Flexwan+/PA-MC-2T3+ introduce 5+ seconds delay on egress
CSCed71294	Routing	Multicast multipath does not work in the vrf context
CSCee30355	Routing	Memory leak at ip_multicast_ctl
CSCef65457	Routing	EIGRP and RIP advertise null0 static routes after they are removed
CSCej49366	Routing	Removing default-metric under EIGRP deletes routes erroneously
CSCsb15164	Routing	Security holes while configuring a standard ACE with host address
CSCsd25753	Routing	BGP Aggregated supernet routes not Advertised properly
CSCse68877	Routing	CEF/BGP table MPLS label mismatch YW3 Non Multi-path
CSCsg68717	Routing	A weird behavior in maxpath configuration in ebgp+ibgp case
CSCsh34417	Routing	BGP Distance not updated following failover to a path with a greater dis
CSCsh54161	Routing	dune, Nov image goes unstable - creates eigrp routing loops
CSCsi70484	Routing	OSPF SPF running constantly if LSID conflicts & prefix filter used.
CSCsj13911	Routing	Cat3750:EIGRP does not receive reply for query between some Vlan
CSCsj42399	Routing	Redistributed static covered by network statement sets metric to 0
CSCsk11930	Routing	Not able to reconfigure the numbered ip extcommunity-list
CSCsk35688	Routing	Aggregate routes not processed if child routes are deleted pre-maturely
CSCsk80250	Routing	BGP has to handle the return value REXP_DONTKNOW of regexec_hybrid
CSCsk87526	Routing	T/B ipv6_rib_process_changeQ after shut cmd applied Int. running RIPng
CSCsl32318	Routing	OSPF: new fix for CSCsk36324 SPF loop
CSCsl48075	Routing	Floating static route behaves incorrectly in 6vPE
CSCsl49628	Routing	VRF is not getting deleted in 'sh vrf' output
CSCsl51616	Routing	v6-vrf-lite config doesn't sync properly with standby
CSCsm57494	Routing	BGP update is not sent after reloading opposite router
CSCsm91959	Routing	Code review: aggregation child routes can miss aggregation logic

Identifier	Technology	Description
CSCsm95129	Routing	"no ip next-hop-self eigrp" not working when redistribute from BGP
CSCsm96901	Routing	Unable to ping between vrfs through transparent bridge
CSCso39597	Routing	StbyRP crashed @ bgp_vpnv4_bulk_sync_mpls_lbl_binding during bulk sync
CSCso51519	Routing	Paths with same Nexthop selected as multipaths in some sequence
CSCso55151	Routing	ADJ not freeing memory under IPv6 ND stress test
CSCso90107	Routing	SNMP: bgpPeertable and cbgpPeertable shows only results for ipv4 peers
CSCsq24935	Routing	Switch crash due to unsupported bgp/ipv6 command
CSCsq43831	Routing	Stack overflow due to recursion in FIB
CSCsq97517	Routing	C2W2: Mago: CEF on RP is not in sync with SP after reboot.
CSCsr01403	Routing	cefswitching2.1:More time taken(12 mts) to converge after Adjacency flap
CSCsr11662	Routing	EIGRP active routes never go to SIA, queries not sent
CSCsr50704	Routing	dmzlink-bw programs wrong traffic share count in routing table
CSCsr51801	Routing	upon router reload some of the route-maps not permitting the prefixes.
CSCsr67361	Routing	I/O memory leaks when BGP neighbor points to a local address
CSCsr86174	Routing	aggregate-address under address-family does not appear in conf
CSCsr90248	Routing	"aggregate-address advertise-map" not updated dynamically
CSCsu06447	Routing	EIGRP:static route redistribution not working with distribution-list
CSCsu11161	Routing	Neighbor x.x.x.x default-originate issues seen in 12.2 code
CSCsu12040	Routing	PE with CsC configuration sends wrong labels to SPE
CSCsu63996	Routing	OSPF flaps after SSO switchover causes traffic loss after SSO switchover
CSCsu76993	Routing	EIGRP:Routes not tagged with match source redistribution-source
CSCsv01474	Routing	'ip rip advertise' command lost after interface flap/clear ip route
CSCsv05009	Routing	%OSPF-4-FLOOD_WAR: error during heavy flaps for type-5 and type-7 LSAs
CSCsv27607	Routing	BGP: Outbound route-map updating withdraw only one member
CSCsv85052	Routing	Crash observed when "ispf" is issued in vty with ip routing disabled
CSCsv89643	Routing	OSPF: MAC address of next hop unresolved on ptp eth by adjacency bringup
CSCsv97472	Routing	CSCso62166_dcq_issue_rn_walktree_timed_locking is changed
CSCsw24286	Routing	TE tunnel bandwidth command breaks isis topology
CSCsw24826	Routing	OSPF crash during type-9 maxage
CSCsw28893	Routing	Cost no longer showing with each eigrp route after IOS upgrade
CSCsw65441	Routing	ARP packets drops due to excessive ARP requests sourced from SVI
CSCsw65933	Routing	Prefix not learned from PE to CE
CSCsw79397	Routing	Device crashing at bgp_command_af_specific
CSCsx06457	Routing	BGP may modify routes it does not own
CSCsx15841	Routing	aggregate-address does not NVGEN upon switchover on cat6k
CSCsx17446	Routing	Tunnel route and a non-tunnel (IGP) route with same metric (TE metric)
CSCsx51596	Routing	TCAM ACL entry not correct after removing IP accounting

Identifier	Technology	Description
CSCsx99015	Routing	crash if OSPF redistributes another OSPF and interface bw changes
CSCsy15150	Routing	33SXH5: Traceback @ isis_router when default interface configured
CSCsy45838	Routing	show ip ospf border-router crashing router
CSCea11368	Security	CRL fetch using ldap fails if vrf configured in trustpoint
CSCeh75136	Security	TACACS+ rem_addr field empty after first SSH authen attempt fails
CSCsc91824	Security	SSH from router disconnects vty session if there is no matching cipher
CSCsv20285	Security	Whitney: Authentication to the CA server failed using ION.
CSCsx15430	Security	Verbose name lookup calls in IP context causes PKI to block due to pager
CSCsx17447	Security	IOS not including HOST header in HTTP CRL request
CSCsy16177	Security	scp:copy to router over sshv2 fails with invalid checksum error
CSCsy22311	Security	SCP b/w IOS routers fails while the client is receiving file from server
CSCsc67488	WAN	ARP Req from Frame Relay causes %IP-4-ZERO_ADDR: Zero MAC address Error
CSCso62193	WAN	Standby resets due to parser return error "no frame-relay vc-bundle"

Caveats Resolved in Release 12.2(33)SXH4

Resolved Infrastructure Caveats

- [CSCse85652](#)—Resolved in 12.2(33)SXH4

Symptom: The Cisco IOS HTTP server and the Cisco IOS HTTPS server provide web server functionality to be used by other Cisco IOS features that require it to function. For example, embedded device managers available for some Cisco IOS devices need the Cisco IOS HTTP server or the Cisco IOS HTTPS server to be enabled as a prerequisite.

One of the functionalities provided by the Cisco IOS HTTP server and the Cisco IOS HTTPS server is the WEB_EXEC module, which is the HTTP-based IOS EXEC Server. The WEB_EXEC module allows for both “show” and “configure” commands to be executed on the device through requests sent over the HTTP protocol.

Both the Cisco IOS HTTP server and the Cisco IOS HTTPS server use the locally configured enable password (configured by using the **enable password** or **enable secret** commands) as the default authentication mechanism for any request received. Other mechanisms can also be configured to authenticate requests to the HTTP or HTTPS interface. Some of those mechanisms are the local user database, an external RADIUS server or an external TACACS+ server.

If an enable password is not present in the device configuration, and no other mechanism has been configured to authenticate requests to the HTTP interface, the Cisco IOS HTTP server and the Cisco IOS HTTPS server may execute any command received without requiring authentication. Any commands up to and including commands that require privilege level 15 might then be executed on the device. Privilege level 15 is the highest privilege level on Cisco IOS devices.

Conditions: For a Cisco IOS device to be affected by this issue all of the following conditions must be met:

- An enable password is not present in the device configuration
- Either the Cisco IOS HTTP server or the Cisco IOS HTTPS server is enabled

- No other authentication mechanism has been configured for access to the Cisco IOS HTTP server or Cisco IOS HTTPS server. Such mechanisms might include the local user database, RADIUS (Remote Authentication Dial In User Service), or TACACS+ (Terminal Access Controller Access-Control System)

The Cisco IOS HTTP server is enabled by default on some Cisco IOS releases.

Workaround: Any of the following workarounds can be implemented:

- Enabling authentication of requests to the Cisco IOS HTTP Server or the Cisco IOS HTTPS server by configuring an enable password

Customers requiring the functionality provided by the Cisco IOS HTTP server or the Cisco IOS HTTPS server must configure an authentication mechanism for any requests received. One option is to use the **enable password** or **enable secret** commands to configure an enable password. The enable password is the default authentication mechanism used by both the Cisco IOS HTTP server and the Cisco IOS HTTPS server if no other method has been configured.

In order to configure an enable password by using the **enable secret** command, add the following line to the device configuration:

```
enable secret mypassword
```

Replace *mypassword* with a strong password of your choosing. For guidance on selecting strong passwords, please refer to your site security policy. The document entitled “Cisco IOS Password Encryption Facts” explains the differences between using the **enable secret** and the **enable password** commands to configure an enable password. This document is available at the following link:

http://www.cisco.com/en/US/tech/tk59/technologies_tech_note09186a00809d38a7.shtml

- Enabling authentication of requests to the Cisco IOS HTTP Server or the Cisco IOS HTTPS server by configuring an authentication mechanism other than the default

Configure an authentication mechanism for access to the Cisco IOS HTTP server or the Cisco IOS HTTPS server other than the default. Such authentication mechanism can be the local user database, an external RADIUS server, an external TACACS+ server or a previously defined AAA (Authentication, Authorization and Accounting) method. As the procedure to enable an authentication mechanism for the Cisco IOS HTTP server and the Cisco IOS HTTPS server varies across Cisco IOS releases and considering other additional factors, no example will be provided. Customers looking for information about how to configure an authentication mechanism for the Cisco IOS HTTP server and for the Cisco IOS HTTPS server are encouraged to read the document entitled “AAA Control of the IOS HTTP Server”, which is available at the following link:

http://www.cisco.com/en/US/tech/tk59/technologies_tech_note09186a008069bdc5.shtml

- Disabling the Cisco IOS HTTP Server and/or the Cisco IOS HTTPS server functionality

Customers who do not require the functionality provided by the Cisco IOS HTTP server or the Cisco IOS HTTPS server can disable it by adding the following commands to the device configuration:

```
no ip http server no ip http secure-server
```

The second command might return an error message if the Cisco IOS version installed and running on the device does not support the HTTPS server feature. This error message is harmless and can safely be ignored.

Please be aware that disabling the Cisco IOS HTTP server or the Cisco IOS HTTPS server may impact other features that rely on it. As an example, disabling the Cisco IOS HTTP server or the Cisco IOS HTTPS server will disable access to any embedded device manager installed on the device.

Further Problem Description: In addition to the explicit workarounds detailed above it is highly recommended that customers limit access to Cisco IOS HTTP server and the Cisco IOS HTTPS server to only trusted management hosts. Information on how to restrict access to the Cisco IOS HTTP server and the Cisco IOS HTTPS server based on IP addresses is available at the following link:

<http://www.cisco.com/en/US/docs/ios-xml/ios/https/configuration/12-4/nm-http-web.html#GUID-BB57C0D5-71DB-47C5-9C11-8146773D1127>

Customers are also advised to review the “Management Plane” section of the document entitled “Cisco Guide to Harden Cisco IOS Devices” for additional recommendations to secure management connections to Cisco IOS devices. This document is available at the following link:

http://www.cisco.com/en/US/tech/tk648/tk361/technologies_tech_note09186a0080120f48.shtml

Other Resolved Caveats in Release 12.2(33)SXH4

Identifier	Technology	Description
CSCef97900	AAA	AAAA-3-DROPACCTLOWMEM warning message somewhat misleading
CSCin45879	AAA	Router reloaded with radius reorder & dead server & server-private
CSCsl29214	AAA	AAA server change leads to bus error crash after "show run" is issued
CSCsl47365	AAA	TACACS+ authorization should ignore unknown attribute
CSCsu21040	AAA	Enable authentication prompts for username/password instead of just pass
CSCsu42152	AAA	authorization fails if fallback method is "if-authenticated"
CSCek37984	Cisco IOS	Inconsistent BERT behaviour observed on TE1 SPA
CSCek40773	Cisco IOS	CE-CE connectivity broken on MPLS VPN with GRE tunnel in VPN core
CSCek71010	Cisco IOS	TB seen at bgp_oer_notify_pep bgp_oer_remove_path bgp_bestpath_old
CSCse12518	Cisco IOS	MET optimized update can cause blackholing and duplicates
CSCsh57238	Cisco IOS	SXF6:sh int cmd on 6148 cards display zero o/p drops even with qos drops
CSCsj04201	Cisco IOS	%MRIB_PROXY-2-MRIB_RP_FAILED_GET_IPC: RP failed allocating IPC buffer
CSCsj06641	Cisco IOS	LI: Traceback found in creating entry in cTap2StreamTable
CSCsj32493	Cisco IOS	IPSEC: Incorrect IPsec connection info in InvalidSPI testing
CSCsj51113	Cisco IOS	crash in ether_cfm_tm_send
CSCsj90758	Cisco IOS	UUT with BGP/DMVPN crashes after restarting iprouting.iosproc
CSCsk19866	Cisco IOS	Unable to boot boomerang image on sup720
CSCsk32209	Cisco IOS	Crash seen on a stand-alone router while generating RSA keys
CSCsk34832	Cisco IOS	Memory leak in HTTP CORE PID 174
CSCsk73838	Cisco IOS	After fabric timeout is seen, line card did not recover using earl patch
CSCsk78390	Cisco IOS	Naxos crashes while trying to fpd upgrade granikos

Identifier	Technology	Description
CSCsk89852	Cisco IOS	VS2: MEC (LACP) members flap when native subinterface is configured
CSCsk94870	Cisco IOS	VS2: TB @ ether_extract_addr
CSCsl02190	Cisco IOS	ICMPv6 to all node multicast address fail .
CSCsl18525	Cisco IOS	Standby-SP doesn't have mfib table
CSCsl27957	Cisco IOS	%EC-SP-5-CANNOT_BUNDLE2 is seen after inserting WS-SVC-FWM-1
CSCsl32940	Cisco IOS	Router crashes while reloading Naxos
CSCsl37513	Cisco IOS	SYS-2-MOD_TEMPSENSORFAIL:Module w/ X6148A-GE-45AF and CatOS
CSCsl39691	Cisco IOS	Config Sync:Bulk-sync failure due to Servicing Incompatibility after SSO
CSCsl71704	Cisco IOS	VS2:RACL not applied on MEC after disabling netflow & chng flowmask
CSCsm08087	Cisco IOS	Arp unresolved after sh/nosh of egress int ;route-map applied at ingress
CSCsm08971	Cisco IOS	SEA:Soft reload occurs everytime after issue show cmd's and T/B with mz
CSCsm11898	Cisco IOS	IOS:SLB: Incorrect NAT Translation when Nat client is enabled
CSCsm19550	Cisco IOS	sup720 rx intr should check tx descriptor exhaustion
CSCsm22385	Cisco IOS	V4 VPN traffic stops after toggling agg. label between vpn-cam and tcam
CSCsm26063	Cisco IOS	C2W2:Active RP Crash on sh/no sh of intf with ipv6 address configured
CSCsm28287	Cisco IOS	Active RP crash on shutdown of GRE tunnel followed by switchover
CSCsm40606	Cisco IOS	WS-X6724 SFP get's reboots again and again with TestSynchedFab Failed
CSCsm43962	Cisco IOS	Cat6k L2TP packet looped through blocked port
CSCsm48287	Cisco IOS	Drop counters for VPLS VC not incrementing
CSCsm64424	Cisco IOS	C2W1: Copy command generates spurious authorization requests
CSCsm65386	Cisco IOS	WS-X6516A-GBIC card resets on SSO.
CSCsm66602	Cisco IOS	SIP 400 loses VPLS VC entry on shutting down the MPLS TE tunnel
CSCsm75286	Cisco IOS	bgp route-map doesn't work correctly when deleted part of sequences
CSCsm79344	Cisco IOS	Bogus "TCAM MASK entry capacity exceeded" message
CSCsm82472	Cisco IOS	DAI: L2-Portchannel formed for member's DAI trust mismatch
CSCsm84267	Cisco IOS	Tracebacks & %CPU_MONITOR-SP-6-NOT_HEARD: messages with NAT.
CSCsm85936	Cisco IOS	UUT cpu at 40% with bi-dir traffic across a single tunnel
CSCso00864	Cisco IOS	Standby sup crashed on configuring local-address command for cry map
CSCso05920	Cisco IOS	cpmCPUMemoryFree incorrect for Posix memory
CSCso18683	Cisco IOS	IP DSCP Re-circulation not working as expected after issu runversion.
CSCso27956	Cisco IOS	TCAM ASSERT FAILURE on LI stress with add/removal of lots of streams
CSCso28275	Cisco IOS	Traffic polarization within a MEC on VSS.
CSCso28791	Cisco IOS	MAC_MOVE-SP-4-NOTIF seen for L2TP packets over dot1q tunnel
CSCso29141	Cisco IOS	DFC installs drop index for MAC-address
CSCso29226	Cisco IOS	IP source guard is not supported on ether channel member
CSCso30038	Cisco IOS	A OIL is not registered properly in mroute table with static igmp group
CSCso32193	Cisco IOS	IPv6 software switched in Egress replication mode

Identifier	Technology	Description
CSCso35250	Cisco IOS	unexpected reload while communicating with CNS server
CSCso39818	Cisco IOS	Ingress Marking not working on SIP-600 on linecard reset/ toggle mlsqos
CSCso48665	Cisco IOS	vlan filter can't be removed totally
CSCso49344	Cisco IOS	Egress policing policy not programmed in SIP-600 after system reload.
CSCso57020	Cisco IOS	VSS: After sso, the RBH values on orphan PO flips w/o link/po flapping
CSCso57886	Cisco IOS	unrestricted while loop when looking for EOS flag in the packet
CSCso60528	Cisco IOS	C2W2: FWSM - Standby FWSM PO shows down and links go down eventually
CSCso66357	Cisco IOS	Classification on nbar fails on removing pmap from other pvc on ATM M2P
CSCso71955	Cisco IOS	Alignment errors with netflow on Interface, crash on 7600/6500
CSCso72178	Cisco IOS	W2:TestCapture,TestTrap & TestIPv6FibShortcut diag failed ondemand&boot
CSCso72541	Cisco IOS	%MFIB_STATS-DFC2-2-MFIB_STATS_LC_FAILED_GET_COUNTERS for Sip 600
CSCso74559	Cisco IOS	C2W2: Mago IOS "test Crash" create crashinfo file on bootflash only
CSCso85133	Cisco IOS	DOM tranceiver "voltage" values are always Zero in SUP4
CSCso86544	Cisco IOS	Afer SSO, new active SP crashes @ pm_vlan_get_portlist
CSCso88042	Cisco IOS	Wism module Allowed-Vlan statements lost on reload
CSCso88772	Cisco IOS	sp-inband tx capture causes primary SUP to hang
CSCso93708	Cisco IOS	IPsec-HA:RFclient timingout on7200 running 12.4(15)Tx, AdvSecurity fse
CSCso98143	Cisco IOS	Router crash at pm_platform_private_alloc_and_reserve_vlan
CSCsq04075	Cisco IOS	C2W2:DHCP Snooping entries not cleared after removing IP Source Guard
CSCsq04274	Cisco IOS	Memory leak observed on l2_vlan_stat_mem_allocate during vlans creation
CSCsq14259	Cisco IOS	TX Flowcontrol goes on when link negotiation is disabled
CSCsq15308	Cisco IOS	timer not stopped properly for eem policy scripts
CSCsq21051	Cisco IOS	W2: Heathland mode change doesn't work after the second SSO switchover
CSCsq26223	Cisco IOS	WS-X6348-RJ-45 Blackholing traffic/reset continously
CSCsq36972	Cisco IOS	Portchannel does not form. Log messages indicate misconfig.
CSCsq37376	Cisco IOS	Packet Buffer Capture May Crash a 6500 in IOS
CSCsq44850	Cisco IOS	c2w2 : TB seen at %PM-3-INTERNALERROR: Port Manager Internal Software Er
CSCsq46590	Cisco IOS	Packet loss during SSO failover on ECMP supervisor uplinks
CSCsq51231	Cisco IOS	ALIGN-3-SPURIOUS: Spurious memory access made @ idbman_get_port_swidb
CSCsq51249	Cisco IOS	Monitor session removal may affect traffic through WS-X6148A-RJ-45
CSCsq51378	Cisco IOS	ATM PA Interface shows up/up after force redundancy, no cables connected
CSCsq53085	Cisco IOS	VS: 15 seconds down time upon module reset
CSCsq56747	Cisco IOS	Active SP CPU 100% after SSO switchover with 080527 ION image
CSCsq59297	Cisco IOS	port-channel IDB gets mixed up
CSCsq61089	Cisco IOS	VS2: physical OIR of 6708 causes 16 seconds interruption
CSCsq63727	Cisco IOS	WS-X6748-GE-TX - input and output errors seen during auto negotiation
CSCsq67001	Cisco IOS	Standy switch reloaded by auto qos on MEC standby member port

Identifier	Technology	Description
CSCsq73317	Cisco IOS	MAB authorization failed with port-security
CSCsq77043	Cisco IOS	EEM long hostname prevents tcl cli_open from functioning
CSCsq77381	Cisco IOS	W2: Diag - TestL3Capture2 failed after LV-SSO
CSCsq78513	Cisco IOS	VSS: Etherchannel counters incorrect
CSCsq78956	Cisco IOS	strep of binary can cause mem corruption
CSCsq79253	Cisco IOS	Pinnacle interrupts not re-enabled after memory inconsistency detected
CSCsq80270	Cisco IOS	Cat 6k crashes randomly after IPSec SPA module is inserted.
CSCsq80891	Cisco IOS	VSS switches reload at the same time after VSL link failure
CSCsq81116	Cisco IOS	c2w2:Device crash @ oer_cc_free_message while unconfiguring
CSCsq81235	Cisco IOS	Cannot configure a vrf again when deleted using 'no ip vrf' command
CSCsq82663	Cisco IOS	SLB router CPU usage is high with GE interface
CSCsq82991	Cisco IOS	IPSG Pacl entry appears after the ISSU RV or SSO
CSCsq83219	Cisco IOS	Standby SP crashed at sp_reset_slcp after "redundancy reload peer"
CSCsq83789	Cisco IOS	LTL for unknow unicast is wrongly programmed for some L3 interfaces
CSCsq84116	Cisco IOS	Cisco 7604 with OC3, Flexwan crashes into ROMMON
CSCsq85139	Cisco IOS	VS2: Can not establish session to standby NAM
CSCsq85850	Cisco IOS	Opnext GLC-LH-SM :remote port stays up when local RX cable is removed
CSCsq89415	Cisco IOS	"no bert" indicates "abort request" instead of "stopped"
CSCsq91258	Cisco IOS	L2 entry purged from hardware when in use by L3 shortcut
CSCsq94136	Cisco IOS	Burst of traffic cause anti-replay check to fail
CSCsq94366	Cisco IOS	Mem leak in rrp_update_peer_info_on_rp
CSCsq97640	Cisco IOS	Resetting Standby Sup4 multiple times causes lincecard switchbus timeout
CSCsq98887	Cisco IOS	Packet drop on applying and removing ACL on tunnel interface with pim
CSCsr02723	Cisco IOS	MDEBUG:Spurious memory access detected at env_sensor_get_update
CSCsr02816	Cisco IOS	ISSU tracebacks seen on SP during runversion at MsgReceive.S:14
CSCsr06914	Cisco IOS	fm_slb_inbad_send():Invalid Flowmask errors upgrading to 12.2(33)SXH2a
CSCsr07565	Cisco IOS	TCAM didn't reprogram after removing dynamic ACE
CSCsr08985	Cisco IOS	CMM ports going to shutdown state on reload in Whitney 1
CSCsr09554	Cisco IOS	Move SIBYTE SB_RMON_OVRFL messages under debug
CSCsr13633	Cisco IOS	%PM-3-INTERNALERROR: Port Manager Internal Software E
CSCsr18656	Cisco IOS	BPDU bit is over written when 2nd PCL lookup is enabled.
CSCsr18924	Cisco IOS	kernel idle hook thread in IOS-Base taking 50% CPU
CSCsr20679	Cisco IOS	VSL PO as SPAN source and Orphan PO as SPAN destination not allowed
CSCsr26663	Cisco IOS	C2W2: GLBP 800 peers with default timers flap after SSO
CSCsr37131	Cisco IOS	buginf calls in l2trace when 'debug l2trace' is disabled
CSCsr45495	Cisco IOS	PBR with deny statements : TCAM running out of masks
CSCsr45851	Cisco IOS	ifOperStatus for Control Plane Interface is always down

Identifier	Technology	Description
CSCsr48938	Cisco IOS	UNBL:bootldr image can't boot on SupW
CSCsr49669	Cisco IOS	Match protocol arp doesnt work in whitney1 earlier it was working for Roc
CSCsr51799	Cisco IOS	pa-mc-8t1 interface down after stopping BERT prematurely
CSCsr55523	Cisco IOS	WCCP service group ID is zero in ACL TCAM Adjacency
CSCsr58773	Cisco IOS	VS2: After SSO, VSL member stuck in "w" state, and MEC errors
CSCsr63831	Cisco IOS	show platform hardware capacity fabric - incorrect % and time-SXH3
CSCsr66588	Cisco IOS	Netflow SLB aging parameter values are not synced to SP after reload
CSCsr72427	Cisco IOS	WS-X6148-45AF/WS-F6K-FE48-AF %ILPOWER-5-ILPOWER_MISCONFIG after reload
CSCsr75094	Cisco IOS	MDEBUG: Spurious Memory Access on SSO
CSCsr78910	Cisco IOS	time not updated in 'System returned to ROM by reload' in show version
CSCsr81962	Cisco IOS	C2W1: Monitor session servicemodule causes internal loop on SUP720-10GE
CSCsr82501	Cisco IOS	Change global function to static breaks install patch feature in SXH
CSCsr93467	Cisco IOS	c2w2:Traceback seen while doing "switch accept mode virtual "
CSCsr96283	Cisco IOS	High CPU due to add/del SPAN configs
CSCsr99933	Cisco IOS	FWLB: High purge rate causes CPU to increase by 15%
CSCsu03297	Cisco IOS	RE: Fabric force bus-mode does not work anymore
CSCsu03772	Cisco IOS	Dot1q native vlan tagging is not working with "switchpot nonegotiate"
CSCsu05800	Cisco IOS	C2W2: need to extend the wait time for bus sync after sso
CSCsu22349	Cisco IOS	Removing ACL or service policy from vrf interface drops traffic
CSCsu24825	Cisco IOS	SUP32 unstable to communicate with all neighbors after reload
CSCsu29117	Cisco IOS	PE send traffic back to EoMPLS tunnel after lsp path changed
CSCsu31651	Cisco IOS	VSS: Traffic dropped on non-bundled port if RBH=0
CSCsu33221	Cisco IOS	"Flood in diag inband driver" messages followed by silent reload.
CSCsu37481	Cisco IOS	Netflow Incorrect Octet value with packet-based sampling
CSCsu44534	Cisco IOS	Sup NSF/SSO causes 4 sec traffic loss over EC with uplink ports.
CSCsu45210	Cisco IOS	Upgrade 12.2SXF-> 12.2SXH with Port-Security causes standby boot loop
CSCsu46124	Cisco IOS	SVI ifInMulticastPkts ifOutMulticastPkts are always zero
CSCsu48150	Cisco IOS	Enhancement to Me_Kr register dumps from CSCsg21809
CSCsu49002	Cisco IOS	ciscoIpMRouteBps sometimes indicates wrongful value
CSCsu55635	Cisco IOS	Load values of PO members with Fixed algo get 0 during bootup on Standby
CSCsu57958	Cisco IOS	DHCP-Snooping not intercepting DHCP messages from the Server
CSCsu59556	Cisco IOS	Traceback seen @ fibidb_init
CSCsu63335	Cisco IOS	"Failed to find process pid" error message on 12.2(33)SXH3
CSCsu64581	Cisco IOS	Last port of T3/E3 SPA connected back to back does not ping
CSCsu68698	Cisco IOS	No syslogs and stack on console when SP crashes due RP boot timeout
CSCsu69177	Cisco IOS	C2W2: Traffic drop after SSO on SUP4 P router w/ IP and MPLS traffic
CSCsu72496	Cisco IOS	%PM-3-INTERNALERROR: Port Manager Internal Software Error

Identifier	Technology	Description
CSCsu72884	Cisco IOS	Modifying match criteria frm v6 to v4 doesnt change tcam label state
CSCsu73128	Cisco IOS	C2W2-ION-080922: Crash on Plain IPSec tunnel setup
CSCsu76070	Cisco IOS	duplicate packets when lawful intercept is enabled
CSCsu81785	Cisco IOS	6500 can no longer receive the ACL as filter ID from
CSCsu82768	Cisco IOS	Crash at pclc_g2_fw_offline_notification after SSO
CSCsu91714	Cisco IOS	IGMP-JOIN is lost from SUP to MSFC
CSCsu94880	Cisco IOS	Bus error crash at fm_format_inband_adj_data
CSCsu95605	Cisco IOS	Route-map with "match route-type local" not functioning properly
CSCsv30359	Cisco IOS	HSRP: CPU hog when no failover bound to crypto
CSCsv34415	Cisco IOS	Diag failure on power-cycle puts VSS switches in rommon
CSCsv43802	Cisco IOS	High CPU utilization triggers crash in diags.
CSCsq31981	Content	WCCP: redirection does not work with CEF and ip accounting
CSCsh45091	Infrastructure	Port fix for CSCed94684 for ws-c3750-24p
CSCsh63508	Infrastructure	disk0:/sys/cpmbit/base is busy, try again later msg on stby SP on SSO.
CSCsi88974	Infrastructure	LI: Malloc failure on setting MD src interface as Loopback interface
CSCsj06593	Infrastructure	CPU hog msgs for RFSS worker process and Async write process
CSCsj52992	Infrastructure	CPU hogs when configuring snmp-server host
CSCsj54606	Infrastructure	end of summer-time can be set earliar than start of summer time
CSCsk91176	Infrastructure	PXF crash causes IPC timeout to all linecards in the chassis
CSCsm01126	Infrastructure	PRE-B crashes while in progress to standby cold-config
CSCsm14366	Infrastructure	Empty crash file generated on wan module crash at boot-up
CSCsm32392	Infrastructure	memory corruption crash at nv_ifs_open and nv_ifs_close
CSCsm47417	Infrastructure	W2:seting ceExtSysBootImageList cause "wr mem" not working correctly
CSCsm78184	Infrastructure	Switchover failed with %C10KISSU-3-GET_MSG_MTU messages
CSCso21611	Infrastructure	Crash at internal idb counter increment function
CSCsq03621	Infrastructure	Timestamps in "show rmon events" wrap at 2^32-1 milliseconds (7+ weeks)
CSCsq16325	Infrastructure	Incomplete serial interface command creates interface
CSCsq34676	Infrastructure	Modular IOS: show process cpu sorted triggers unexpected reload
CSCsq35093	Infrastructure	XDR-6-XDRIPCNOTIFY: Message not sent to slot 1/0 (1) because of IPC
CSCsq60922	Infrastructure	Modular IOS:Router crashed with SNMP copy and with format in console
CSCsr50834	Infrastructure	CPU HOG after changing logging buffered up to 50MB
CSCsr60789	Infrastructure	W1.3: VSL crash after preemptive switchover in ifs_open_file_decrement
CSCsr64361	Infrastructure	Standby continously resetting due to SNMP RF client notification timeout
CSCsu37266	Infrastructure	Modular IOS: tcp.proc terminated due to signal SIGSEGV
CSCsi66366	IPServices	All transport protocols are displayed in running config for VTY
CSCsj83854	IPServices	Incorrect static nat entries programmed in nat table
CSCsm35794	IPServices	Ignoring Coup after changing HSRP active router's priority

Identifier	Technology	Description
CSCsm79082	IPServices	RP crash at dispatch_thread_pool when restarting tcp.proc
CSCsq60504	IPServices	Modular IOS Sup720: crashed with tcp timeout logs
CSCsq90529	IPServices	Issue with active ftp on the SXH1
CSCsq97870	IPServices	Router crash with 'show standby' if group deleted from 2nd terminal
CSCsr08771	IPServices	Crash seen @ dhcpd_pool_nvgen and dhcpd_copy_bootfile
CSCsr55990	IPServices	HSRP mac dynamic on routed pseudowire after reload on active router
CSCsu21716	IPServices	No unsolicited igmp report sent for mroute-proxy
CSCsg87930	LAN	i82543 driver should not increase input queue drop counter
CSCsr76818	LAN	input queue wedge on SP due to VTP packets
CSCsh33167	LegacyProtocols	Dlsw transparent cache holds MAC address for disconnected circuit
CSCsq79032	Management	Excessive remote registry invocation on 'waiting_on_switchover' registry
CSCsq84595	Management	high # of remote reg. invocation (35 rpc/sec) 'get_unidirectional_mode'
CSCsr93672	Management	Native vlan is not getting displayed in "show cdp neighbors" output
CSCuk57502	Management	CDP does not report IPv6 addresses for Modular IOS.
CSCsm70668	MPLS	OIR over E3:POS impacting complete Traffic with biscuit tunnel
CSCso21506	MPLS	Import Map under vrf blocks bgp aggregate prefix
CSCsq46044	MPLS	Error MFI_LABEL_BROKER-3-DELETE_MOI_FAIL and LSD_CLIENT-3-PCHUNK2
CSCsq78822	MPLS	Cannot clear specific LDP neighbor, when router-id not in bound address
CSCsq91960	MPLS	failed to delete vrf when it is 32 characters long
CSCsq93004	MPLS	Possible memory corruption with TE auto-tunnel primary and subinterface
CSCsr40433	MPLS	mpls te - explicit path with loose nhops - re-optimization failure
CSCsu62667	MPLS	LSP ID change after SSO due to failure in signalling recovered LSP
CSCsm77608	Multicast	IP Multicast packets are Process switched.
CSCsr09312	Multicast	crash when doing mrm stop
CSCsr36971	Multicast	Memory Leak @ PIM process
CSCsr49316	Multicast	Crash ipv6_static_route_find after configured & executed show ipv6 rpf x
CSCsu02051	Multicast	S,G expiry timer change is not allowed in Whitney1
CSCsu71983	Multicast	Memory Leak @ PIM process
CSCsq37078	PPP	Input errors incrementing on Multilink 5 in admin down state
CSCsg18894	QoS	Queue-limit command should be allowed in conjunction with priority
CSCsl62963	QoS	Router Crashes, Reconfigure a Policy -af_police_remove_coloraware
CSCsm00570	QoS	cwpa2 crashes at hqf_cwpa_pak_enqueue_local
CSCsm28515	QoS	Marking not happening on FlexWAN interface with SXH after oir/reload
CSCsu03813	QoS	Upgrading from rockies to w2 deletes the police action from pmap
CSCsg90755	Routing	Standby keeps reloading due to PRC mismatch in IPv4 MDT AF config sync
CSCsi68795	Routing	PE wrongly assigns local label to a vpnv4 confederation prefix
CSCsj39016	Routing	warn_assert failed: ../fib/fib_table.c:2947 tal_tree_get_item_count_nonf

Identifier	Technology	Description
CSCsj78403	Routing	clear ip bgp causes crash to RR client with conditional route injection
CSCsk86150	Routing	w/ BGP auto-summary enabled, networks are lost from BGP after EIGRP flap
CSCsk86476	Routing	OSPF fails in MTU-mismatch setup when mtu-ignore is configured
CSCsm26130	Routing	BGP with auto-summary not injecting locally orig. route into BGP table
CSCsm30569	Routing	CEF path fragmentation broken for static IPsec VTI
CSCsm50741	Routing	Removal of DCbitless LSA causes problems
CSCsm72604	Routing	OSPF remaining summary route when dual OSPF process redistributing
CSCso08786	Routing	Standby reloads due to config sync failure on inherit peer-policy cmd.
CSCso54167	Routing	BGP peer stuck with table version 0
CSCso80951	Routing	BGP peers with same policy fall into different update-group with SOO
CSCso93535	Routing	Upon removing a VRF, BGP route timers in other VRF's get reset
CSCsq05602	Routing	TE tunnels are down but still show in the forwarding table
CSCsq13938	Routing	reload on 'show ip bgp vpnv4' when import src delinked by BGP deconfig
CSCsq36206	Routing	MDT tunnels not getting created on 7206 Device
CSCsq38431	Routing	OSPF "summary address" is executed, even if subnet is becoming small
CSCsq49201	Routing	Password in BGP peer-session template not inherited
CSCsr67562	Routing	Support for running ispf with nodes having overload bit configured
CSCsr83639	Routing	Bus error crash when removing BGP configuration
CSCsr96042	Routing	ASR: IOSD crashes at bgp_vpn_import_walker while unconfiguring vrf
CSCsu03167	Routing	SXF15: IPv4/v6 BGP routes not cleared when source routes is gone
CSCsu24087	Routing	Cisco7609 crashes after "clear ip bgp neighbor x.x.x.x soft in"
CSCsu36709	Routing	Unable to boot IOS image on PE (vrf-enabled) router - software fault
CSCsu40881	Routing	Secondary EIGRP address on VRF not added/deleted properly to EIGRP topo
CSCeg49153	Security	PKI: crl checking takes too long to timeout if the server is down
CSCsd81870	Security	Teraterm + TTSSH2 does not work in SSH Ver.2
CSCsf17406	Security	Large CRLs can cause memory leaks
CSCsg48392	Security	Resuming SSH Session Fails After Disconnecting Another One (Not Console)
CSCso48959	Security	user not reported by "login on-success log" feature for SSH logins
CSCsq58748	Security	IPSEC: IKMP process can get blocked by some PKI OCSP requests
CSCsq60016	Security	Router crashes when entering a long RSA key string
CSCsr85093	Security	SXF15: SSH session fails with RSA signature verification failed after SSO
CSCsr86489	Security	C6k: SCP file copy causes RP crash during authorization of user
CSCsg32308	WAN	copy/paste of ntp-authentication-key statement is not possible
CSCsq18856	WAN	FR SVCs cannot be setup
CSCsq47900	WAN	OIR operation on POS interfaces with APS result in ALIGN error

Caveats Resolved in Release 12.2(33)SXH3a

Resolved Infrastructure Caveats

- [CSCse85652](#)—Resolved in 12.2(33)SXH3a

Symptom: The Cisco IOS HTTP server and the Cisco IOS HTTPS server provide web server functionality to be used by other Cisco IOS features that require it to function. For example, embedded device managers available for some Cisco IOS devices need the Cisco IOS HTTP server or the Cisco IOS HTTPS server to be enabled as a prerequisite.

One of the functionalities provided by the Cisco IOS HTTP server and the Cisco IOS HTTPS server is the WEB_EXEC module, which is the HTTP-based IOS EXEC Server. The WEB_EXEC module allows for both “show” and “configure” commands to be executed on the device through requests sent over the HTTP protocol.

Both the Cisco IOS HTTP server and the Cisco IOS HTTPS server use the locally configured enable password (configured by using the **enable password** or **enable secret** commands) as the default authentication mechanism for any request received. Other mechanisms can also be configured to authenticate requests to the HTTP or HTTPS interface. Some of those mechanisms are the local user database, an external RADIUS server or an external TACACS+ server.

If an enable password is not present in the device configuration, and no other mechanism has been configured to authenticate requests to the HTTP interface, the Cisco IOS HTTP server and the Cisco IOS HTTPS server may execute any command received without requiring authentication. Any commands up to and including commands that require privilege level 15 might then be executed on the device. Privilege level 15 is the highest privilege level on Cisco IOS devices.

Conditions: For a Cisco IOS device to be affected by this issue all of the following conditions must be met:

- An enable password is not present in the device configuration
- Either the Cisco IOS HTTP server or the Cisco IOS HTTPS server is enabled
- No other authentication mechanism has been configured for access to the Cisco IOS HTTP server or Cisco IOS HTTPS server. Such mechanisms might include the local user database, RADIUS (Remote Authentication Dial In User Service), or TACACS+ (Terminal Access Controller Access-Control System)

The Cisco IOS HTTP server is enabled by default on some Cisco IOS releases.

Workaround: Any of the following workarounds can be implemented:

- Enabling authentication of requests to the Cisco IOS HTTP Server or the Cisco IOS HTTPS server by configuring an enable password

Customers requiring the functionality provided by the Cisco IOS HTTP server or the Cisco IOS HTTPS server must configure an authentication mechanism for any requests received. One option is to use the **enable password** or **enable secret** commands to configure an enable password. The enable password is the default authentication mechanism used by both the Cisco IOS HTTP server and the Cisco IOS HTTPS server if no other method has been configured.

In order to configure an enable password by using the **enable secret** command, add the following line to the device configuration:

```
enable secret mypassword
```

Replace *mypassword* with a strong password of your choosing. For guidance on selecting strong passwords, please refer to your site security policy. The document entitled “Cisco IOS Password Encryption Facts” explains the differences between using the **enable secret** and the **enable**

password commands to configure an enable password. This document is available at the following link:

http://www.cisco.com/en/US/tech/tk59/technologies_tech_note09186a00809d38a7.shtml

- Enabling authentication of requests to the Cisco IOS HTTP Server or the Cisco IOS HTTPS server by configuring an authentication mechanism other than the default

Configure an authentication mechanism for access to the Cisco IOS HTTP server or the Cisco IOS HTTPS server other than the default. Such authentication mechanism can be the local user database, an external RADIUS server, an external TACACS+ server or a previously defined AAA (Authentication, Authorization and Accounting) method. As the procedure to enable an authentication mechanism for the Cisco IOS HTTP server and the Cisco IOS HTTPS server varies across Cisco IOS releases and considering other additional factors, no example will be provided. Customers looking for information about how to configure an authentication mechanism for the Cisco IOS HTTP server and for the Cisco IOS HTTPS server are encouraged to read the document entitled “AAA Control of the IOS HTTP Server”, which is available at the following link:

http://www.cisco.com/en/US/tech/tk59/technologies_tech_note09186a008069bdc5.shtml

- Disabling the Cisco IOS HTTP Server and/or the Cisco IOS HTTPS server functionality

Customers who do not require the functionality provided by the Cisco IOS HTTP server or the Cisco IOS HTTPS server can disable it by adding the following commands to the device configuration:

```
no ip http server no ip http secure-server
```

The second command might return an error message if the Cisco IOS version installed and running on the device does not support the HTTPS server feature. This error message is harmless and can safely be ignored.

Please be aware that disabling the Cisco IOS HTTP server or the Cisco IOS HTTPS server may impact other features that rely on it. As an example, disabling the Cisco IOS HTTP server or the Cisco IOS HTTPS server will disable access to any embedded device manager installed on the device.

Further Problem Description: In addition to the explicit workarounds detailed above it is highly recommended that customers limit access to Cisco IOS HTTP server and the Cisco IOS HTTPS server to only trusted management hosts. Information on how to restrict access to the Cisco IOS HTTP server and the Cisco IOS HTTPS server based on IP addresses is available at the following link:

<http://www.cisco.com/en/US/docs/ios-xml/ios/https/configuration/12-4/nm-http-web.html#GUID-BB57C0D5-71DB-47C5-9C11-8146773D1127>

Customers are also advised to review the “Management Plane” section of the document entitled “Cisco Guide to Harden Cisco IOS Devices” for additional recommendations to secure management connections to Cisco IOS devices. This document is available at the following link:

http://www.cisco.com/en/US/tech/tk648/tk361/technologies_tech_note09186a0080120f48.shtml

Other Resolved Caveats in Release 12.2(33)SXH3a

Identifier	Technology	Description
CSCsu03167	Routing	SXF15: IPv4/v6 BGP routes not cleared when source routes is gone

Caveats Resolved in Release 12.2(33)SXH3

Resolved IPServices Caveats

- [CSCek52673](#)—Resolved in 12.2(33)SXH3

A router that has DHCP server enabled could reload after receiving a malformed UDP packet.

Workaround: None

Resolved Security Caveats

- [CSCsi17158](#)—Resolved in 12.2(33)SXH3

Symptoms: Devices running Cisco IOS may reload with the error message “System returned to ROM by abort at PC 0x0” when processing SSHv2 sessions. A switch crashes. We have a script running that will continuously ssh-v2 into the 3560 then close the session normally. If the vty line that is being used by SSHv2 sessions to the device is cleared while the SSH session is being processed, the next time an ssh into the device is done, the device will crash.

Conditions: This problem is platform independent, but it has been seen on Cisco Catalyst 3560, Cisco Catalyst 3750 and Cisco Catalyst 4948 series switches. The issue is specific to SSH version 2, and its seen only when the box is under brute force attack. This crash is not seen under normal conditions.

Workaround: There are mitigations to this vulnerability: For Cisco IOS, the SSH server can be disabled by applying the command **crypto key zeroize rsa** while in configuration mode. The SSH server is enabled automatically upon generating an RSA key pair. Zeroing the RSA keys is the only way to completely disable the SSH server.

Access to the SSH server on Cisco IOS may also be disabled via removing SSH as a valid transport protocol. This can be done by reapplying the **transport input** command with ‘ssh’ removed from the list of permitted transports on VTY lines while in configuration mode. For example: **line vty 0 4 transport input telnet end**

If SSH server functionality is desired, access to the server can be restricted to specific source IP addresses or blocked entirely using Access Control Lists (ACLs) on the VTY lines as shown in the following URL:

http://www.cisco.com/en/US/docs/switches/lan/catalyst2950/software/release/12.1_9_ea1/configuration/guide/swacl.html

More information on configuring ACLs can be found on the Cisco public website:

http://www.cisco.com/en/US/products/sw/secursw/ps1018/products_tech_note09186a00800a5b9a.shtml

Resolved Unknown Caveats

- [CSCsk93241](#)—Resolved in 12.2(33)SXH3

Cisco IOS Software Multi Protocol Label Switching (MPLS) Forwarding Infrastructure (MFI) is vulnerable to a Denial of Service (DoS) attack from specially crafted packets. Only the MFI is affected by this vulnerability. Older Label Forwarding Information Base (LFIB) implementation, which is replaced by MFI, is not affected.

Cisco has released free software updates that address this vulnerability.

This advisory is posted at

<http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080924-mfi>

Other Resolved Caveats in Release 12.2(33)SXH3

Identifier	Technology	Description
CSCdu79630	AAA	Username on vty not displayed if accounting is not configured
CSCsg18288	AAA	Enable authentication ignores Tacacs+ configuration in rare situation
CSCsl10068	AAA	AAA api migration in login.c, exec.c .
CSCsl45701	AAA	TACACS+ per VRF authen failing: Address already in use
CSCsl57645	AAA	tacacs-server directed-request fails for enable authentication on 6500
CSCso87641	AAA	Tacacs unable to connect to server
CSCso95426	AAA	Exposure of Radius-Keys in debugs.
CSCsq98160	AAA	No communication between SW and AAA with IPBase image
CSCsr26098	AAA	SSH/Telnet failed with IPBase image on Sup32 with AAA server
CSCei33231	ATM	ATM PVC bundle protected group test failed with bumping exhausted
CSCek74474	ATM	no/default proto ip inarp cmd ineffective until ATM VC bounced.
CSCsh98378	ATM	Router crashes at atm_create_vp_db
CSCsi72854	ATM	Inconsistent IMA CLI after router reload .
CSCsk72676	ATM	Pvc not coming up after removing vc-class from it
CSCin67287	Cisco IOS	NxDS0 BERT capability on PA-MC-8TE1+
CSCsc24015	Cisco IOS	Parser loops infinitely for match route-type [ext
CSCsc85962	Cisco IOS	Replaying Main Mode packet causing IKE SA deletion
CSCsd69625	Cisco IOS	EZVPN:IOS C876 Client can't connect to ASA using digi certs and noXauth
CSCse31572	Cisco IOS	Bus error at crypto_ikmp_config_authenticated
CSCse53517	Cisco IOS	WiSM: Tracebacks seen after SSO switchover
CSCsg22830	Cisco IOS	Standby not coming up after sso switchover
CSCsg87747	Cisco IOS	RECV_PVID_ERR message received with bringing up etherchannel trunk
CSCsh61002	Cisco IOS	SPA-5X1GE: GE-port not transmitting after 'shut/no shut' and vica versa
CSCsi49150	Cisco IOS	%PM-SP-4-PORT_BOUNCED: Port Gi9/3 was bounced by Consistency Check IDBS
CSCsi63649	Cisco IOS	%SYS-3-TIMERNEG:Cannot start timer with negative offset,TTY Background
CSCsi85453	Cisco IOS	cfg-sync failed if switchport config is pasted on active & stby restart
CSCsi94738	Cisco IOS	8xCHT1/E1 SPA modules not in entAliasMappingIdentifier
CSCsj37398	Cisco IOS	Properly initialize the Tycho register AC_QOS_DEFAULT_EGRESS (0x334)
CSCsj43677	Cisco IOS	Active Sup720 crash when removing Standby supervisor
CSCsj49293	Cisco IOS	POS Interface Output Rate (200 mbps) > Line rate (155 Mbps)
CSCsj78820	Cisco IOS	MEM leak in Crypto IKMP process(crypto_ikmp_author_get_attributes)
CSCsj85897	Cisco IOS	SPA-TE1-Linkrec's out of sync between SPA and LC
CSCsj86153	Cisco IOS	Modular IOS CPU load oscillates even under constant load
CSCsj91738	Cisco IOS	Non-ip packet with mcast-mac addr cause high CPU with VPN-SPA VRF mode.
CSCsj94539	Cisco IOS	Spurious Alarms in PA-MC-8TE1+ may cause router crash
CSCsj98198	Cisco IOS	When we have only 1 flow in TT, flows are not exported to MC

Identifier	Technology	Description
CSCsj98492	Cisco IOS	Pak subblock handlers need to be part of packet library
CSCsk19817	Cisco IOS	shut/no shut causes pm failed get pm mp semaphore
CSCsk67457	Cisco IOS	BCP-MLP:Traffic stops flowing making one link shut on multilink
CSCsk77462	Cisco IOS	IETF Class attribute is missing in radius accounting record
CSCsk88273	Cisco IOS	Traceback seen @edisms on clearing counter on Active SP
CSCsk93366	Cisco IOS	lte_rp_get_lte_update_xdr_size/fib_upd_consume_rec_meets_upd_rec crash
CSCsl04386	Cisco IOS	%BIT-STDBY-4-OUTOFRANGE : Traceback on Bootup .
CSCsl06059	Cisco IOS	Router crash at route_map_vrf_af_change_nh
CSCsl11335	Cisco IOS	MVPN-MIB:Entries obtained from "ciscoMvpnBgpMdtUpdateTable" is incorrect
CSCsl11868	Cisco IOS	With IP CEF enabled ACL is not denying packets as intended. .
CSCsl17798	Cisco IOS	Etherchannel state inconsistent between active and standby
CSCsl28371	Cisco IOS	SPA-IPsec-2G VRF: L2 loop and broadcast storm may occur on default vlans
CSCsl34481	Cisco IOS	IPV6-MCAST:router crashes while unconfiguring ipv6 mcast routing
CSCsl35325	Cisco IOS	MRIB client remains after a linecard removal
CSCsl39710	Cisco IOS	cat6000 mac-address-table does not add entries for local fwsm mac . .
CSCsl40528	Cisco IOS	VS2: Port-channel fails to forward unicast packets after switchover .
CSCsl53494	Cisco IOS	C7600-SSC-400: Error message display incorrect product name
CSCsl53727	Cisco IOS	Add UDLD interface counters for debugging purpose
CSCsl61164	Cisco IOS	Router may crash @ipflow_fill_data_in_flowset when changing flow version
CSCsl69123	Cisco IOS	SIP-400:QoS:Police drops MPLSCP, CDPCP negotiation packets - SRA,SRB
CSCsl70667	Cisco IOS	12.2(33)SRB2: LC crash at fib_fib_feature_space_xdr_decode
CSCsl72912	Cisco IOS	VS2: WS-X6708 DFC crash in local_cb1(Segment violation)
CSCsl80682	Cisco IOS	SPA crashes if crypto acl changed
CSCsl89890	Cisco IOS	VS2: crash in psecure-process_timer
CSCsl93559	Cisco IOS	Unsupported ISL encap CLI option should be disabled on 6716
CSCsl94393	Cisco IOS	OPNEXT / Sup32 uplink port stays up when far-end port down.
CSCsl98238	Cisco IOS	QoS statistics-export only exports to directly-connected destinations
CSCsm04256	Cisco IOS	CPUHOG and crash after 'show memory detailed all statistics' issued
CSCsm24906	Cisco IOS	IPV6 neighbour discovery not working on SVI intf under VRF
CSCsm32363	Cisco IOS	Netflow SLB sw-installed entries not aging out
CSCsm37673	Cisco IOS	Traffic from SSLM service module not going over multi-module etherchanne
CSCsm54873	Cisco IOS	EEM some time are not triggered properly
CSCsm56279	Cisco IOS	C2W2: Important enhancements to "test swi vir ltl index" CLI
CSCsm59039	Cisco IOS	Message "ME_AR#0 WARNING: Cannot FLUSH Dic#0" seen for WS-X6708A-10 LC
CSCsm59384	Cisco IOS	DPD not deleting IKE SA's
CSCsm59926	Cisco IOS	RP receives 2 copies of each PIM register with MVPN
CSCsm59949	Cisco IOS	vtp3:with 4k vlan HA reload/sso causes the standby to reload continuously

Identifier	Technology	Description
CSCsm69112	Cisco IOS	Multicast output drop w/ IGMP snooping @ near line rate 1Gbps
CSCsm69827	Cisco IOS	%SYS-2-MALLOCFAIL:Process= "GraphIt" in SXH1_fc3
CSCsm70707	Cisco IOS	WS-X6748-SFP shutdown(Could not set appropriate Switching mode)
CSCsm70774	Cisco IOS	Router crashes at cfg_kron_plcy_sbmd_cmd.
CSCsm71537	Cisco IOS	divide by 0 crash in oer_br_update_iface_counters
CSCsm72807	Cisco IOS	DHCP packets can get corrupted in an SSO environment
CSCsm75020	Cisco IOS	EARL7 Additional ECC Error Handling enhancements
CSCsm76111	Cisco IOS	10G ports generate CRC errors when using CISCO-FINISAR transceivers
CSCsm77171	Cisco IOS	Router crash when "ip flow" enabled.
CSCsm77923	Cisco IOS	C6k: Invalid vlan iface order in config after new vlan iface addition
CSCsm82264	Cisco IOS	VS2: Entire VSS system goes down after restarting call-home process
CSCsm82958	Cisco IOS	radius sticky entry deleted even if the idle timer is not 0
CSCsm84257	Cisco IOS	crash in ipflow_periodic context due to watchdog timeout
CSCsm86027	Cisco IOS	B2B failover,ace_tunnel_compare:Invalid address_type, router crashed
CSCsm94421	Cisco IOS	Configuring STP cost in an etherchannel to the default has no effect
CSCsm99170	Cisco IOS	Memory Leak seen in fw_lcp process
CSCsm99690	Cisco IOS	Netflow: Crash with aggregation caches and export to MPLS VPN
CSCso00793	Cisco IOS	ITP-76: Flexwan Memory version "VI4DP647228EBK-MD" causes reload
CSCso05127	Cisco IOS	WS-X6708-10GE crashes following upgrade to 12.2(33)SXH1 and 12.2(33)SXH2
CSCso08224	Cisco IOS	WS-X6148-45AF port link takes 8 or more seconds to come up
CSCso13950	Cisco IOS	implementation of cmasModuleActionNotif in CSICO-MODULE-AUTO-SHUTDOWN-M
CSCso16973	Cisco IOS	VC in PE2 stays UP even after disabling ip cef globally
CSCso17569	Cisco IOS	VPN-SPA: WAN interface mtu incorrectly programmed on the SPA
CSCso19924	Cisco IOS	VPN SPA Module: Performance degradation on none-fragmented packets
CSCso20519	Cisco IOS	Cheronia: Fix SMB drive strength programming.
CSCso20978	Cisco IOS	EEM cron timer events save internal timer names to the config
CSCso22754	Cisco IOS	MAB/802.1X interop busted
CSCso31506	Cisco IOS	IPv6 AH Extension Headers Punted to Software on PFC-3B & 3C
CSCso37640	Cisco IOS	DHCP snooping ACL's are not getting programmed after switchover.
CSCso38151	Cisco IOS	Error/Traceback after power fail. %SPA-3-SW_ERROR: spa_get_card_info:
CSCso39444	Cisco IOS	The new Active supervisor will crash after SSO @ fib_path_list_lock_memo
CSCso39518	Cisco IOS	fh_policy_dir.proc process crash when activate OE patch
CSCso43539	Cisco IOS	power converter failure reported before power was on
CSCso44072	Cisco IOS	High CPU due to multicast traffic getting punted to software
CSCso46210	Cisco IOS	VS: NAM on Standby switch not able to configure SPAN session
CSCso50175	Cisco IOS	% ENT_API-4-NOPORT: Traceback seen after switchover
CSCso51417	Cisco IOS	Enabling Gigabit ports on RSP720 cause send/receive of BFD packets fail

Identifier	Technology	Description
CSCso52097	Cisco IOS	IPV6 :Missing second Netflow shortcut after route change
CSCso53741	Cisco IOS	VPNSPA does not handle duplicate IPSec SA correctly in nested tunnel
CSCso54131	Cisco IOS	After SSO BPDU are being dropped
CSCso55072	Cisco IOS	Crash occurs during execution of TCL code in ESM handler
CSCso56644	Cisco IOS	EEM2.3::%SYS-3-CPUHOG: EEM ED Interface
CSCso59288	Cisco IOS	On enabling oob, aging is changed to 3 times is not shown in cli output
CSCso62526	Cisco IOS	c7600 RSP720: stdby RSP relods upon no flow-sampler interface commad
CSCso65821	Cisco IOS	wrr-queue map configuration propagates to all ports on a 6408
CSCso68840	Cisco IOS	eou inactivity timer over rides reauth timer from ACS
CSCso71355	Cisco IOS	PVLAN - 6500 - Multicast flood broken from pvlan port to promiscuous
CSCso75657	Cisco IOS	Unable to configure cwan int in SSO - standby doesn't support cmd
CSCso82039	Cisco IOS	C2W2: Active console is getting locked for 2.5 mins during sso.
CSCso84567	Cisco IOS	6500 with WCCP and CoPP punts non-TCP packets into CoPP policy.
CSCso85859	Cisco IOS	RP crashes when using 'show memory detailed'
CSCso87348	Cisco IOS	Corruption in subflow code
CSCso87838	Cisco IOS	HSRP: with aggressive timers HSRP peer flaps when "wr mem"
CSCso89823	Cisco IOS	Pos interface "rxload" and "input bytes" counters incorrectly increment
CSCsq00884	Cisco IOS	"mls qos trust" cmd lost under port-channel interface when upgrading IOS
CSCsq03475	Cisco IOS	W2: Memory corruption caused by env object after being freed.
CSCsq04355	Cisco IOS	Fix in CSCso81632 is not complete
CSCsq04673	Cisco IOS	SIGSEGV in ios-base and syslog_pubinfo_enqueue
CSCsq09228	Cisco IOS	CHSTM1 SPA: Linkup/down traps not generated and snmp set not working
CSCsq19146	Cisco IOS	FPD creation for new pegasus rx (1.6) FPA image for Sip-1 CR
CSCsq20970	Cisco IOS	ATM option missing, while configuring T1 controller for mode atm
CSCsq33790	Cisco IOS	Switch crashes when authenticating a user with Filter-Id attribute
CSCsq34245	Cisco IOS	IPC Open Port Errors observed with SIP-400
CSCsq39079	Cisco IOS	SPA-IPSEC-2G Crash under load due to IKE session establishment
CSCsq46327	Cisco IOS	Ca6k SXH : 2 crypto maps in same redundant standby grp: RRI not deleted
CSCsq47140	Cisco IOS	67xx module may not come online
CSCsq47305	Cisco IOS	High CPU on SP when both VSL PO are source interface
CSCsq51286	Cisco IOS	Memory Leak Occuring in QM Process on RP when a port is shut/no shut
CSCsq53822	Cisco IOS	Monitor session removal may affect traffic through WS-X6148A-RJ-45
CSCsq60553	Cisco IOS	Create cwslc-rommon3.bin for cwpa2 to accomodate release Rommon (1.8)
CSCsq62351	Cisco IOS	C2W2:SUPW: GOLD EEM cannot crash switch immeddiately as recovery action
CSCsq63019	Cisco IOS	Router Crash when "Clear Crypto Sessions" is issued on EzVPN server
CSCsq63681	Cisco IOS	c7600 Router crashing due to freed pointer in cfib invoked by Netflow
CSCsq74300	Cisco IOS	Set interface change for CSCsk63775 needs to be backed out

Identifier	Technology	Description
CSCsq75704	Cisco IOS	FW2 FE PA Interface stays up/down with no conn and goes up/up after sso
CSCsq76749	Cisco IOS	System Crash when inserting 10G Cards
CSCsq77464	Cisco IOS	mls rate-limit unicast cef receive value re-written upon TCAM exception
CSCsq87431	Cisco IOS	tracebacks seen on issuing sh mls qos ip command
CSCsq87833	Cisco IOS	platform ipv6 acl ahp command rejected during bootstrap
CSCsq90487	Cisco IOS	ME6524 running modular IOS images require 512 MB DRAM in SP in SXH3
CSCsq94150	Cisco IOS	VSS system crash on show command during the initial conversion
CSCsr12976	Cisco IOS	High CPU in ION ios-base process
CSCsr28305	Cisco IOS	Packet drops on L2 portchannel on WS-X6708-10G
CSCek58956	Infrastructure	Need process_ok_to_reschedule check in process_may_suspend
CSCsa97971	Infrastructure	IOS SLB TCP probe state toggles
CSCsb06920	Infrastructure	SYS-3-MGDTIMER: Running timer -Process= SAA Event Processor
CSCsd37499	Infrastructure	%IFS-3-FSMAX: Failed to add ?, maximum filesystems 64 msg with Traceback
CSCsh96179	Infrastructure	IPSLA pathEcho probe doesn't complete for all hops
CSCsj52693	Infrastructure	ospf neighbor flap with fast hellos and 16 neighbors
CSCsk70446	Infrastructure	NRT: tracebacks @ data_inconsistency_error - 7200 for HTTP config .
CSCsk99687	Infrastructure	crash seen during ISSU runversion in ipc_open_port
CSCsl60092	Infrastructure	Active SP crashed @ipc_fragment_cleanup with VSL shut/no shut test
CSCsm49218	Infrastructure	Missing traceback for jump to zero exceptions
CSCsm77199	Infrastructure	DATA CORRUPTION-1-DATAINCONSISTENCY HTTP_FIND_FLASH_FILE
CSCsm89735	Infrastructure	Router crashes on giving show idb after sessions are down in PPPOE-ipv6
CSCso02960	Infrastructure	%RTT-4-DuplicateEvent causes trackbacks after upgrading to 12.2(33)SXH
CSCec51750	IPServices	Router reloads do to bus error. and illegal access to low address
CSCeh69721	IPServices	%SCHED-3-CORRUPT:Schedulerevent magic corrupted by TFTP Server
CSCsb85982	IPServices	Router reloads@ add_or_create_more_soc_buckets
CSCsi42225	IPServices	We need improvement for ip igmp limit command
CSCsk83505	IPServices	%L3_MGR-3-REQ_SEND:error packet allocation after Remote HL HW reset
CSCsk96976	IPServices	DHCP Option 66 adds more quotation marks around URL after reload .
CSCsl51945	IPServices	HSRPv6: Config Sync and stanby resets with standby 1 ipv6 <>
CSCsm59037	IPServices	no service dhcp command causes switch to reload
CSCsm70580	IPServices	c2w2:ciscoFtpClientMIB: ftp_fs.proc extra processes can deadlock & crash
CSCsm92206	IPServices	Router crashes when set the range of interfaces to default configs
CSCso68344	IPServices	Switch acting as DHCP server crashes on issuing no service dhcp command.
CSCso91230	IPServices	%LINK-2-INTVULN: errors with MLPPP and HWIC-4ESW
CSCsq14698	IPServices	crash when using nat with multicast traffic
CSCsq48201	IPServices	c7300:Bridge IRB-Router crash and traffic flow issue
CSCsq67478	IPServices	SSH session hangs

Identifier	Technology	Description
CSCsl54243	LAN	7600 SIP-400 crash after removing sub-ints; lc_deencap_dot1q_vlan
CSCeh97382	Management	Device reset when polling IKE/IPSEC MIB
CSCsk38681	Management	VS2: remote registry call messages ~ cdp2.iosproc:1
CSCsq79132	Management	Excessive remote registry invocation on 'proto_on_swidb' registry
CSCsj50412	MPLS	Improper handling of remote binding wrt route info
CSCsk42307	MPLS	MPLS-TE CBTS: Sending out OSPF hellos over master tunnel .
CSCso53377	MPLS	All TE Lsps does not recover after SSO switchover
CSCek75931	Multicast	LNS: %SYS-3-CPUHOG When sessions have multicast
CSCsk26429	Multicast	Router configured for IGMP Proxy may not send IGMP Join
CSCsl10316	Multicast	ipv6 pim join-prune-interval 10 sets the interval to 20 seconds .
CSCsl20158	Multicast	SNMP:msdpPeer counters should be able to compare with CLI counters.
CSCsl92316	Multicast	LNS: %SYS-3-CPUHOG when clear l2tp tunnel, sessions have multicast
CSCsm17426	Multicast	RP-bit not cleared on s,g; traffic outage for 4 minutes
CSCsm44620	Multicast	Shutdown interface present in PIM interface list
CSCsm48322	Multicast	IPv6 Multicast RP ignores embedded RP register messages
CSCsm53766	Multicast	Reload due to Address Error with multicast configuration
CSCsq09962	Multicast	7600 : crash at "pim_proxy_empty_rd"
CSCsq14151	Multicast	RPF of (S,G) is set to NULL, When (S, G, R) entry is covered to (S, G)
CSCse40966	PPP	MLP links down after SSO switchover if aaa new-model cfged
CSCek63203	QoS	CEOP:VH:Ctrl+C while display show policy int cause console freeze
CSCsm29181	QoS	Crash when NBAR applied to sub-interface
CSCsm49062	QoS	cwan2: show queueing interface reports double count for wfq drops
CSCek36995	Routing	0.0.0.0 default route increasing on rip DB with object tracking
CSCse65277	Routing	MU:default isis metric maximum returns parser error
CSCsf06946	Routing	Removing loopback interface causes continuous standby RP reloading
CSCsi87894	Routing	RIP advertise default route after 'no default-information originate'
CSCsi98730	Routing	CEF/BGP table MPLS label mismatch in IOS 12.4(6)T5
CSCsj21785	Routing	TE tunnel does not reoptimize after mtu change
CSCsj56281	Routing	BGP inherit peer-policy not working after router reload
CSCsk37659	Routing	Vrf route table does not get updated once pppox sessions are up.
CSCsl04835	Routing	BGP conditional route injection not removing routes from iBGP peers
CSCsl06336	Routing	removing 'maximum-paths import 6' causes duplicate paths in VRF table
CSCsl20856	Routing	standby HSRP flaps with ospf mib polling/aggressive timers/nostandby sso
CSCsl30331	Routing	Prefixes permitted despite the deny action on route-map continue
CSCsl72774	Routing	Memory leak in CEF consistency checker
CSCsl84712	Routing	Error- %OSPF-4-FLOOD_WAR: Process 123 re-originates LSA ID 10.55.122.148
CSCsl92283	Routing	Unable to add into routing table if static route use interface + gateway

Identifier	Technology	Description
CSCsm04442	Routing	Router crash at rip_find_sum_idb
CSCsm39159	Routing	ARP HA cpu hog on stby while bringing up stby with large arp tables
CSCsm43938	Routing	stby resets when large config/arp table to sync over to it
CSCsm45634	Routing	BGP VPNv4 route is not actived immediately after receving update
CSCsm47111	Routing	FIB: Accessing freed memory while dequeuing
CSCsm91801	Routing	ASBR not updating metric in LSA-5 redistributing from 2-nd OSPF process
CSCsm96785	Routing	"nsf cisco" under router ospf config does not work, but "nsf ietf" works
CSCso00383	Routing	MVPN: New style PE doesn't send RD Type 2 MDT update
CSCso27510	Routing	Removing SVI with IPv6 address with 'no int vlan' crashes the router
CSCso30199	Routing	ISIS topology broken after a force-switchover when ispf is enabled
CSCso62166	Routing	Crash @ bgp_netlist_validate when ibgp established with metric
CSCso63693	Routing	ISIS: Maximum circuit limit (255) has reached with passive-interface def
CSCso64274	Routing	0.0.0.0/0 redistributed entry not removed RIP DB after deleting command
CSCso73076	Routing	can not delete ACE enties in ACL
CSCso89675	Routing	Device crash @ ip2access_add_pbacl_item with largre PBACL configuration
CSCsq62703	Routing	Router crashed with TLB (load or instruction fetch) exception
CSCsq75944	Routing	crashes in ipflow_ager, ipflow_sub functions, ipflow_periodic
CSCeh48777	Security	tunnel interface fluctuates between UP/DOWN state during ipsec rekey
CSCir01449	Security	Sync damage of CSCin74155 fix
CSCsb58633	Security	SCP server gives files with invalid checksum on some router platforms
CSCsb80803	Security	SSH Process: SCHED-3-UNEXPECTEDEVENT error message
CSCse12154	Security	Bus error crash after executing secure copy (scp)
CSCsk75078	Security	rcv client_input_channel_req: channel 0: unknown channel
CSCsl61311	Security	New SSH sessions with RSA key sometimes fails after changing hostname
CSCsm57122	Security	Scp and ssh failing with certain ssh clients
CSCs190285	WAN	POS-APS: CWPA-3-NODISPATCH messages seen when configuring APS

Caveats Resolved in Release 12.2(33)SXH2a

Identifier	Technology	Description
CSCsl45701	AAA	TACACS+ per VRF authen failing: Address already in use
CSCso87641	AAA	Tacacs unable to connect to server
CSCsh61002	Cisco IOS	SPA-5X1GE: GE-port not transmitting after 'shut/no shut' and vica versa
CSCsm69827	Cisco IOS	%SYS-2-MALLOCFAIL:Process= "GraphIt" in SXH1_fc3
CSCso05127	Cisco IOS	WS-X6708-10GE crashes following upgrade to 12.2(33)SXH1 and 12.2(33)SXH2
CSCso53516	Cisco IOS	VSS: Incorrect fpoe programming causing unicast traffic blackhole

Caveats Resolved in Release 12.2(33)SXH2

Resolved Security Caveats

- [CSCsj85065](#)—Resolved in 12.2(33)SXH2

A Cisco IOS device may crash while processing an SSL packet. This can happen during the termination of an SSL-based session. The offending packet is not malformed and is normally received as part of the packet exchange.

Cisco has released free software updates that address this vulnerability. Aside from disabling affected services, there are no available workarounds to mitigate an exploit of this vulnerability.

This advisory is posted at

<http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080924-ssl>.

Resolved Unknown Caveats

- [CSCsg35077](#)—Resolved in 12.2(33)SXH2

Symptoms: A device that is running Cisco IOS software may crash during processing of an Internet Key Exchange (IKE) message.

Conditions: The device must have a valid and complete configuration for IPsec. IPsec VPN features in Cisco IOS software that use IKE include Site-to-Site VPN tunnels, EzVPN (server and remote), DMVPN, IPsec over GRE, and GET VPN.

Workaround: Customers that do not require IPsec functionality on their devices can use the **no crypto isakmp enable** command in global configuration mode to disable the processing of IKE messages and eliminate device exposure.

If IPsec is configured, this bug may be mitigated by applying access control lists that limit the hosts or IP networks that are allowed to establish IPsec sessions with affected devices. This assumes that IPsec peers are known. This workaround may not be feasible for remote access VPN gateways where the source IP addresses of VPN clients are not known in advance. ISAKMP uses port UDP/500 and can also use UDP/848 (the GDOI port) when GDOI is in use.

Further Problem Description: This bug is triggered deep into the IKE negotiation, and an exchange of messages between IKE peers is necessary.

If IPsec is not configured, it is not possible to reach the point in the IKE negotiation where the bug exists.

Other Resolved Caveats in Release 12.2(33)SXH2

Identifier	Technology	Description
CSCee66606	AAA	per-group deadtime is nvgend as 60x user input
CSCee89849	AAA	Router reloaded at vtemplate_build_command_strings
CSCsc98046	AAA	TACACS Accounting isn't sending stop time in the stop packet.
CSCsd48175	AAA	AAA/TACACS not failing over to second server
CSCsg14301	AAA	AAA/TACACS spurious memory accesses in tplus_handle_req_timeout
CSCsj88665	Access	Bus error with PA-MC-2T3+ when deleting channel-group
CSCsl41784	Access	ION: ARP Input memory leak with "mobile ip arp"
CSCsd84347	ATM	PVC stops sending OAM loopback if AIS/RDI received
CSCsj84931	ATM	CEOP: after OIR with atm local switching and ima, router crashes

Identifier	Technology	Description
CSCeb69473	Cisco IOS	connect '/terminal-type' command memory corruption
CSCeh08262	Cisco IOS	Show tech SP output should honor redirect applied
CSCek53174	Cisco IOS	dhep snooping cannot scale beyond 225 bindings
CSCek66116	Cisco IOS	B2B: IKEA trans 0x17; opcode 0x53; param 0x41 msg displayed forever
CSCek71816	Cisco IOS	CE-CE ping fail after restore ASBR-PE vrf
CSCek78874	Cisco IOS	KMI:Out of order deletes cause sync issues
CSCsb87956	Cisco IOS	loop in the state IKE_CONFIG_MODE
CSCsh17328	Cisco IOS	WS-SVC-WISM-1-K9 reports 0.0 in entPhysicalVendorType
CSCsh84657	Cisco IOS	STP Loopguard: Ability to disable loopguard for Po270 and higher for FWM
CSCsh97395	Cisco IOS	IDSM: Monitor config was removed after RPR switchover
CSCsi52382	Cisco IOS	radius attribute 5 nas-port not sent in access-request for RA VPN users
CSCsi97434	Cisco IOS	A router may crash when ipsec is established
CSCsj48453	Cisco IOS	AW: CAT6k does not forward multicast traffic to WISM in L3 mode
CSCsj68951	Cisco IOS	Diag Minor Error: TestVslStatus by shut down one side Sup4 uplink
CSCsj87584	Cisco IOS	call-home inventory full needs show ipdrom switch all for VSS
CSCsj91961	Cisco IOS	Ifnums of channels for E3 dont match on active and stdby
CSCsk16240	Cisco IOS	C2W1: active not responding msgs seen om reload with 41patches
CSCsk21354	Cisco IOS	PAT : Missing second Netflow shortcut after route change.
CSCsk27081	Cisco IOS	ifHCInOctets and ifHCOutOctets on GE-WAN interfaces wrap up at 2^32
CSCsk32872	Cisco IOS	Wrong API usage, can lead to crash .
CSCsk33740	Cisco IOS	replay window size of 1024 causes IPSec Policy Check and Replay Failure
CSCsk41134	Cisco IOS	ISAKMP SA neg not successful for in tunnel mode w/ RSA-SIG
CSCsk44233	Cisco IOS	While raising the interrupt level, bgp_route_map_inform tries to suspend
CSCsk58040	Cisco IOS	WS-X6148A-GE-45AF retains previous modules MACs after OIR
CSCsk80552	Cisco IOS	Shut and no shut of interface causes the delay in forming rp mapping
CSCsk82370	Cisco IOS	RP crash and tracebacks in crypto related process
CSCsk83089	Cisco IOS	Increase maximum aggregate policer > 10Gbps
CSCsk84925	Cisco IOS	ipv4:SSM mroute not created due to ip mr-cache on IIF, traffic hits MSFC
CSCsk97144	Cisco IOS	wait for remote process DiagCard7/-1creation times out with 1018 ION
CSCsl06577	Cisco IOS	Linking bootflash to bootdisk failed after pcmcia_driver.proc restart
CSCsl12827	Cisco IOS	Handling Transit IpSec in VRF mode
CSCsl18765	Cisco IOS	6500-7600 : SPAN of EoMPLS port causes packet reflection or loop
CSCsl19708	Cisco IOS	Naxos : Disable Telesto Internal TERMINATION For Reference Clock, PB RAM
CSCsl27236	Cisco IOS	%SYS-3-CPUHOG: Task is running for (126000)msecs, causes RP crash .
CSCsl32344	Cisco IOS	Group of 4 ports on 6708 stops passing traffic
CSCsl34515	Cisco IOS	VS2:after SSO with preemption, port security is broken
CSCsl43540	Cisco IOS	VS2:snmp mac notification for port channel on DFC linecard doesn't work

Identifier	Technology	Description
CSCsI51380	Cisco IOS	Sup720 and Sup32 TCAM & SSRAM Consistency Checkers refinement
CSCsI51395	Cisco IOS	slot_earl_icc_shim_addr:device crash with hw-module reset
CSCsI52092	Cisco IOS	DHCP db agent considers port-channel interface (poX) as invalid
CSCsI53037	Cisco IOS	Mail action does not separate headers from body
CSCsI53845	Cisco IOS	sup720/SXH: dummy packet send over inband when sw netflow is used
CSCsI58673	Cisco IOS	EEM Prevents VTY telnet to MCP router
CSCsI58924	Cisco IOS	Standby SP crashed due to TestAclDeny failure on bootup/switchover
CSCsI59553	Cisco IOS	SIP-400: bursty traffic causes packet drop even in low rates
CSCsI63311	Cisco IOS	6500 May Experience High CPU due to NAT traffic
CSCsI70016	Cisco IOS	WS-X6516A-GBIC card in switch 2 goes down frequently in vs1
CSCsI70404	Cisco IOS	Memory leak on SUP - CMFI Process
CSCsI71339	Cisco IOS	Prevent ssa interrupts from corrupting sfp i2c accesses
CSCsI72752	Cisco IOS	VS2: after preempted switchover, interface states are out of sync
CSCsI74456	Cisco IOS	VPN-SPA : TCAM not programmed on POS sub-interface after a reload
CSCsI74976	Cisco IOS	Punted MPLS-tagged traffic causes control plane instabilities
CSCsI75136	Cisco IOS	Cat6k with Sup32 failed to boot up after power cycle.
CSCsI75719	Cisco IOS	sxf13 show int tunnel with blank display
CSCsI75836	Cisco IOS	VS2: MCAST LTL T/B's observed, when removing VLAN / SVI used for mcast
CSCsI76647	Cisco IOS	VPN SPA Cannot clear SA using conn-id with CLI
CSCsI79219	Cisco IOS	mvpn : bidir shadow entries not installed
CSCsI83211	Cisco IOS	Sup32 running ION image fails to bootup after a power-cycle.
CSCsI84317	Cisco IOS	Active crashes on applying acl to EoMPLS subif on SIP-600
CSCsI89069	Cisco IOS	Zamboni crashed at illegal event/state combination in CfgMonInd, clear sa
CSCsI89176	Cisco IOS	Cat6k may crash when vlanTrunkPortEntry is polled via snmp
CSCsI89425	Cisco IOS	BFD sessions dont scale
CSCsI91085	Cisco IOS	system/iprouting.iosproc crash after activate 39 dummy/restart patches
CSCsI92286	Cisco IOS	60 second multicast traffic loss as VSS standby chassis initializes
CSCsI94301	Cisco IOS	VS2: Mac learning in linecard gets disabled by pre-emption switchover.
CSCsI97653	Cisco IOS	bcm2_5421_isr bcm2_num: 1 messages seen in the log
CSCsm01399	Cisco IOS	Bus idle recovery may cause 10GE interface to remain down
CSCsm04824	Cisco IOS	OER Top Talker Functionality broken on s3223
CSCsm05486	Cisco IOS	mtu mis program in adj thru tunnel interface after b2b failover
CSCsm08419	Cisco IOS	debounce timer issue on sup32 10GE uplink and 6708
CSCsm11717	Cisco IOS	VS2:On reloading standby chassis T/Bs on SP console for 1 minute
CSCsm13389	Cisco IOS	RRI is not called be if QM rekey timer expiry forces SA deletion
CSCsm15350	Cisco IOS	vpnsa crashed at assert failure in l2-mcpu.c on line
CSCsm20994	Cisco IOS	kron job daily reoccurrences fail after new year

Identifier	Technology	Description
CSCsm21126	Cisco IOS	C7600-SSC-400: Resync fabric interface on fabric error
CSCsm22935	Cisco IOS	Problem in c6k_power_get_ilpower_daughterboard_used_pwr
CSCsm24904	Cisco IOS	Bridge-mib timing out dot1dBasePortIfIndex
CSCsm26415	Cisco IOS	Traceback seen when show platform cfm issued for fwd_vlan 0
CSCsm27017	Cisco IOS	VS2: power configuration is not synced to standby
CSCsm30858	Cisco IOS	PIM register packets upmarked to TOS 6 by PTeam redirection
CSCsm32493	Cisco IOS	Backout of CSCsh94882
CSCsm33528	Cisco IOS	Rekey packet loss for pure ipsec
CSCsm34871	Cisco IOS	Need to support enhanced PoE feature
CSCsm35364	Cisco IOS	SPA-IPSEC-2G get reload automatically by RP
CSCsm44309	Cisco IOS	L2 Po - new member was not included in mapped ucast flood & mcast indices
CSCsm44413	Cisco IOS	RP not added into LTL index when bridge-group is configured
CSCsm46682	Cisco IOS	HL: VACL capture functionality not working with the latest sierra
CSCsm48564	Cisco IOS	Need to exclude RxErrors from being monitored by LinkErrorMonitoring HM
CSCsm49103	Cisco IOS	I/O Memory Leak when running show mls cef command
CSCsm49440	Cisco IOS	RRI: Need to support remote-peer option when source proxy == peer
CSCsm51299	Cisco IOS	Code divergence caused a need for a second fix for CSCsl27236.
CSCsm56293	Cisco IOS	Sup4:DFC only mode, create bus stall condition-the switch still crash
CSCsm59488	Cisco IOS	Fix backwards compatibility for multicast egress netflow cli
CSCsm70349	Cisco IOS	BPDU traffic over Eompls is not switched on 3C system
CSCsm81399	Cisco IOS	No Such Instance error from many SNMP objs for 1xOC48 POS/RPR SPA
CSCsm82169	Cisco IOS	VSS: heathland interfaces are err-disabled on standby chassis
CSCsm82382	Cisco IOS	7600 standby RP memory leaking cause CEF disable
CSCsm83893	Cisco IOS	W2: "sh mls cef adj mpls detai"l after SSO freeze RP cause T/B , reboot
CSCsm83948	Cisco IOS	CISCO7609 returns sysObjectId as ciscoProducts.402 (which is cisco7606)
CSCsm92183	Cisco IOS	e2w1: Heathland card is not coming up due to diag failure
CSCsm95456	Cisco IOS	Duplicate L3 packets with 6708 and DEC
CSCsm96243	Cisco IOS	Switch crashes on executing sh tcam interface acl with include option
CSCsm96610	Cisco IOS	OOB-MAC-SYNC is on, need to change internally the cam aging to 480 Sec
CSCsm97836	Cisco IOS	Memory leak VSL Manager
CSCsm98256	Cisco IOS	Berytos got power down due to TestMacNotification and TestFabricCh0Healt
CSCso02208	Cisco IOS	VS2: crash when provisioning LI stream
CSCso12903	Cisco IOS	RE MET address check missing while running MET patch on IO bus timeout
CSCso25489	Cisco IOS	CSCsg03804 - Time Based ACL Issue not fixed
CSCsl29993	Content	WCCP Should Mark Client 'NOT Usable' with Missing L2 Adjacency
CSCsl65335	Content	WCCP: reload following ACL update
CSCsm12247	Content	WCCP: hash assignment may be lost after service group change

Identifier	Technology	Description
CSCsm32473	Content	WCCP: system reload with path splitting and output redirection
CSCsm35350	Content	WCCP GRE return breaks IPsec traffic AND/OR creates phantom packet count
CSCsm53427	Content	WCCP: multicast + appliance shutdown leads to high CPU
CSCsa57468	Infrastructure	rttmon-mib does not return getnext value when queried via snmp
CSCse07265	Infrastructure	No syslog message generated for IP SLA timeout condition
CSCsj54596	Infrastructure	logging userinfo command no longer accepted
CSCsj83417	Infrastructure	BOOM: addto_mempool_pc_array() message seen with show memory command
CSCsk06492	Infrastructure	snmp-server drop vrf-traffic implementation in 12.2 SRB train
CSCsk13725	Infrastructure	GSR: rttmon-mib does not return getnext value when queried via snmp
CSCsk37278	Infrastructure	BFD clients flaps when boot string is removed from "show running" .
CSCsk75310	Infrastructure	UDP Echo: control message not sent out of correct interface.
CSCsl33908	Infrastructure	show ver truncates system's running image name to 64 chars
CSCsl58963	Infrastructure	Manual OIR of pcmcia flash card crashes dosfs proc in Sup720
CSCsl70722	Infrastructure	Router crash polling rttmon mib with active IP SLA probes
CSCsg60447	IPServices	7200: BVI stops receiving CLNS/ISIS packets
CSCsi78892	IPServices	Configuring bridge-group makes CPUHOG message.
CSCsj29841	IPServices	Port forwarding breaks NAT-overload on a 6509
CSCsj93195	IPServices	RP crashes at ipv4fib_les_switch_wrapper on configuring crypto map
CSCsk06539	IPServices	bus error while unconfiguring static SSM mappings via TFTP .
CSCsk39022	IPServices	Modular IOS: ip directed-broadcast not working
CSCsk39926	IPServices	Unable to route local FTP traffic over VRF with IOS image
CSCsl10348	IPServices	Crash writing to or from ftp/tftp server in modular IOS
CSCsl23788	IPServices	Dlsw+ peer waits in AB_PENDING or WAIT_WR status with modular IOS
CSCsk94676	LegacyProtocols	dls w with tbridge, COMMON_FIB-4-FIBIDBMISMATCH
CSCsk41552	Management	T/B %SCHED-3-THRASHING of cdp2.iosproc process_wait_for_event
CSCsj34456	MPLS	LDP change by CSCsi69278 causes inconsistent mplsLdpEntityIndex value .
CSCsk57114	MPLS	CPUHOG process = SNMP ENGINE, PWMIB, GetNext of cpwVcMplsNonTeMappin
CSCsl39233	MPLS	eBGP in VRF-lite not working in images without MPLS .
CSCsd14706	Multicast	PIMV2 router send PIMV1 RP-reachable messages loading receive router CPU
CSCsg95192	Multicast	no ip rp-address <ACL name> causes an address error
CSCsj88725	Multicast	Wrong (S,G) RPF after route change, no upstream join
CSCsl27840	PPP	Router may Crash / Hang, Module Reset @ Shut ATM member + MLPOA
CSCsi73132	QoS	Multicast DSCP value not copied to PIM-SM RP-register packet
CSCsk63794	QoS	FlexWAN WS-X6582-2PA + T3+ Serial PA may crash/reload
CSCea90941	Routing	IOS Ignores EIGRP Stub Command In Startup-Config at Initial Power On
CSCeg25475	Routing	Distribute-list configured in ipv4 acts in vpnv4 address-family
CSCse53019	Routing	redistribution not triggered when BGP as-path/community changes

Identifier	Technology	Description
CSCsg80259	Routing	BGP Routes do not re-populate following reload of Secondary Route Reflect
CSCsh12493	Routing	BGP overlapping VRF route not installed in RIB after add/del of VRF
CSCsh92749	Routing	ISIS: ADJ del triggers both LSP and SPF
CSCsi51431	Routing	JQL:SIERRA:SP HighCPU/LCboot up fail with largeACL cfg after sw reload
CSCsk34344	Routing	Wrong share-count 1:10 via confed-external BGP peers using dmzlink-bw
CSCsl07297	Routing	SXF11: BGP "no neighbor" command caused Address Error exception .
CSCsl47915	Routing	Redistribution of ospf in rip with prefix-list not working properly
CSCsl57457	Routing	ISIS NSF switchover failure - similar to CSCsl28278
CSCsl83415	Routing	Rtr crash in show cmd: new updgrp add enlarges Nbr bitfield size for Tbl
CSCsl94410	Routing	Back out the CSCsj17879 for all non ERF branch
CSCsm23764	Routing	CEF RF progression error if RRP reloads mid CEF sync
CSCsm27979	Routing	router may crash for "address error exception" doing sh ip route vrf
CSCsm64516	Routing	OSPF MD5 Key Does Not Accept Whitespace Character
CSCso22098	Routing	OSPF down on RPR+ switchover on core router
CSCin91851	Security	Support keyboard-interactive authentication method
CSCsj45031	Security	Cat6k unable to SCP files from Tectia ssh server
CSCsl98498	Security	Tunnel int is going down with mode ipip decapsulate-any
CSCsj68446	WAN	NTP will not sync - NTP packets received but ignored by NTP process .

Caveats Resolved in Release 12.2(33)SXH1

Resolved AAA Caveats

- [CSCsj91123](#)—Resolved in 12.2(33)SXH1

Symptoms: Router reloads after authentication attempt fails on console.

Conditions: Occurs while performing AAA accounting. The accounting structure was freed twice, which results in crash. Occurs when the **aaa accounting send stop-record authentication failure** command is configured, which sends a stop record for authentication failure.

Workaround: Remove the **aaa accounting send stop-record authentication failure** command.

Resolved Infrastructure Caveats

- [CSCsk14633](#)—Resolved in 12.2(33)SXH1

This is the Cisco Product Security Incident Response Team (PSIRT) response to a vulnerability that was reported on the Cisco NSP mailing list on August 17, 2007 regarding the crash and reload of devices running Cisco IOS after executing a command that uses, either directly or indirectly, a regular expression. The original post is available at the following link:

<http://puck.nether.net/pipermail/cisco-nsp/2007-August/043002.html>

The Cisco PSIRT posted a preliminary response on the same day and is available at the following link:

<http://puck.nether.net/pipermail/cisco-nsp/2007-August/043010.html>

Preliminary research pointed to a previously known issue that was documented as Cisco bug ID [CSCsb08386](#) (registered customers only) , and entitled “PRP crash by show ip bgp regexp”, which was already resolved. Further research indicates that the current issue is a different but related vulnerability.

There are no workarounds available for this vulnerability. Cisco will update this document in the event of any changes.

The full text of this response is available at

<http://tools.cisco.com/security/center/content/CiscoSecurityResponse/cisco-sr-20070912-regexp>

- [CSCsk33054](#)—Resolved in 12.2(33)SXH1

This is the Cisco Product Security Incident Response Team (PSIRT) response to a vulnerability that was reported on the Cisco NSP mailing list on August 17, 2007 regarding the crash and reload of devices running Cisco IOS after executing a command that uses, either directly or indirectly, a regular expression. The original post is available at the following link:

<http://puck.nether.net/pipermail/cisco-nsp/2007-August/043002.html>

The Cisco PSIRT posted a preliminary response on the same day and is available at the following link:

<http://puck.nether.net/pipermail/cisco-nsp/2007-August/043010.html>

Preliminary research pointed to a previously known issue that was documented as Cisco bug ID [CSCsb08386](#) (registered customers only) , and entitled “PRP crash by show ip bgp regexp”, which was already resolved. Further research indicates that the current issue is a different but related vulnerability.

There are no workarounds available for this vulnerability. Cisco will update this document in the event of any changes.

The full text of this response is available at

<http://tools.cisco.com/security/center/content/CiscoSecurityResponse/cisco-sr-20070912-regexp>

- [CSCsk61790](#)—Resolved in 12.2(33)SXH1

Symptoms: Syslog displays password when copying the configuration via FTP.

Conditions: This symptom occurs when copying via FTP. The Syslog message displays the password given by the user as part of syntax of FTP copy.

Workaround: There is no workaround.

Resolved Routing Caveats

- [CSCsi84089](#)—Resolved in 12.2(33)SXH1

Symptoms: A few seconds after OSPF adjacencies come up, a router crashes because of a bus error.

Conditions: This symptom is observed on a Cisco router that functions as an ISR that is configured for OSPF.

Workaround: Add area 0 in the OSPF VRF processes.

Alternate Workaround: Enter the **no capability transit** command in the OSPF VRF processes.

Resolved Unknown Caveats

- [CSCsi99869](#)—Resolved in 12.2(33)SXH1

Symptom: Bus error crash (signal 10) seen after the following error message:

```
%MCAST-SP-6-GC_LIMIT_EXCEEDED: MLD snooping was trying to allocate more Layer 2
entries than what allowed (7744)
```

Conditions: This has been observed on a Catalyst6500 running IOS version 12.2(18)SXF1.

Workaround: A workaround exist to disable ipv6 mld snooping via the command **no ipv6 mld snooping**.

There is no negative impact of implementing the workaround as long as there is no IPV6 multicast traffic in the network.

Other Resolved Caveats in Release 12.2(33)SXH1

Identifier	Technology	Description
CSCek58496	AAA	Mem alloc at aaa_test_setup_auth_req/aaa_test_setup_acct_req leaked
CSCsh59019	AAA	Avoiding AAA client hangs, if a protocol subsystem is not present.
CSCsi99473	AAA	TACACS authorization fails with 'request for nonexistent server' msg .
CSCsj34688	AAA	AAA: adding static route cfg does not trigger acct msg to tacacs server
CSCsj89305	AAA	RADIUS/NAS-IP address is sent out as 0.0.0.0
CSCsj97165	AAA	%AAA-3-BADMETHODERROR: Router crash @ aaa_get_new_acct_reg_type .
CSCsl33966	AAA	C6509 : attribute 32 nas-Id not sent for Auth (missed by CSCsf30451) .
CSCsm06740	AAA	Memory Leak in AAA accounting and Virtual Exec
CSCef67942	Access	AS leaking memory under IP input - regcomp
CSCsi00099	Access	Spurious Memory Access Error @ ct3sw_check_freedm_fifo
CSCsj37071	Access	PA-MC-E3 will not recover after workload stress
CSCek61180	ATM	crash @ write_to_url, doprintc_core, atm_remove_vc
CSCin90065	ATM	ATM pvc trap may not always be generated or generated continuously
CSCsb67229	ATM	Ip add config on p2p interface tries to reflect it on all p2p int .
CSCse13374	ATM	IMA ports on 7600 always initialized to default clocking on bootup .
CSCse98383	ATM	Bandwidth not changed on IMA group when one member link is made down .
CSCsj57084	ATM	Voice packets in LLQ experience latency
CSCdu70318	Cisco IOS	Feature Request: VRF-lite PBR
CSCdz55178	Cisco IOS	QoS profile name of more then 32 chars will crash the router .
CSCek34097	Cisco IOS	with about 100 subints configd rtr crashes at ipv6 multicast-rout
CSCek36017	Cisco IOS	Need show mac abbreviated equivalent command in IOS
CSCek52381	Cisco IOS	Killing tcp.proc leads to no thread information in LC
CSCek75082	Cisco IOS	Router crashes while unconfiguring channel-group
CSCek76062	Cisco IOS	Router crashed @ validmem_complete_interrupt .
CSCek78066	Cisco IOS	Whitney:CLI & MIB mismatch for aux-1 temperature Sensor SUP32
CSCek78633	Cisco IOS	SSO:ESM20:TB at %MFI-3-REDISTMGR: Redistribution Manager

Identifier	Technology	Description
CSCek79138	Cisco IOS	VLAN policy not applied to bridged pkts if SVI shutdown .
CSCin99430	Cisco IOS	snmp-server sparse is not working correctly for IF-MIB
CSCsa79984	Cisco IOS	CTRLC_ENBL should be cleared when line is reset
CSCsb29131	Cisco IOS	show crypto ipsec sa identity detail causes system to reload
CSCsc24830	Cisco IOS	Far end router reload causing traceback at dmlp_update_hw_stats
CSCsc98471	Cisco IOS	show diagnostic sanity fails to check software modularity boot string .
CSCsd88768	Cisco IOS	%SYS-2-BADSHARE: Bad refcount in datagram_done fix for PA-MCX-8TE1
CSCse45684	Cisco IOS	multicast (hsrp/ospf) coming from service modules is blackholed by vacl.
CSCse67736	Cisco IOS	Add support for XFP-ZR optics
CSCsf01190	Cisco IOS	Netflow export destination command dissapears from running config .
CSCsf97859	Cisco IOS	invalid shows in show hw-module subslot with SPA-OC192POS-LR
CSCsg09423	Cisco IOS	IPSEC SAs dont recover after rekey with 3000 IKE SAs and PKI (RSA-Sig) .
CSCsg15159	Cisco IOS	Traffic to Null0 accounted with Null as dest IF
CSCsg16417	Cisco IOS	show ip slb connections firewall cmd accepts not configured FW farm name
CSCsg19793	Cisco IOS	Psecure absolute aging on DFC causes MAC inconsistency w/ Central EARL
CSCsg21809	Cisco IOS	Add bridge asic status collection support .
CSCsg23226	Cisco IOS	service counters max age does not function correctly for value 6-9 sec
CSCsg29305	Cisco IOS	hw-module subslot reload crashes the router .
CSCsg36532	Cisco IOS	DMVPN Phase 2: Black hole traffic when spoke-spoke tunnel fails
CSCsg99914	Cisco IOS	sip-200 power-cycles after BGP flap (not responding to keepalive)
CSCsh17579	Cisco IOS	Transceiver TX Power displays erroneous TX level
CSCsh24450	Cisco IOS	Memory leak from IF-MGR DB elem chunk @ im_if_db_init
CSCsh24460	Cisco IOS	ipv6 ISIS ping through doesnt return 100% success rate
CSCsh31782	Cisco IOS	Bus error crash - show crypto isakmp sa
CSCsh34467	Cisco IOS	Standby constanly reset due to RF request with large configuration .
CSCsh49239	Cisco IOS	After redundancy failover Mcast packets drop for 60-90sec on SUP uplink
CSCsh64639	Cisco IOS	VS2: [dead threads] process takes a large chunk of CPU util
CSCsh69341	Cisco IOS	SLB: Incorrect feature execution in ssv
CSCsh80130	Cisco IOS	Add warning/comments to interfaces when Auto Lag is used for interface
CSCsh82046	Cisco IOS	SIERRA: sup4 standby crashes at sstrncpy during bootup.
CSCsh85531	Cisco IOS	E1 channels down after PE reload
CSCsh88532	Cisco IOS	Auto-LAG EtherChannel not configurable; doesn't trust QoS .
CSCsh91974	Cisco IOS	PIM CLI causes RP crash when issued under control-plane subconfig prompt
CSCsh97848	Cisco IOS	Sierra: LACP pdus should be untagged .
CSCsh99583	Cisco IOS	VTP's Local updater ID uses EOBC though up state SVIs exist
CSCsi00136	Cisco IOS	IKE does not process more than 2 NAT-D payload
CSCsi05265	Cisco IOS	SYS-2-GETBUF: Bad getbuffer -Process= LSDp Input Proc

Identifier	Technology	Description
CSCsi06759	Cisco IOS	SIP 200: SNMP-3-DVR_DUP_REGN_ERR
CSCsi09942	Cisco IOS	VTP3: Print warning message when the vlan name exceeds 20 characters
CSCsi11874	Cisco IOS	Sup720 DFC forwarding some packets to MSFC instead of hw switching
CSCsi12416	Cisco IOS	Native vlan traffic disruption in etherchannel standalone (I) mode
CSCsi23021	Cisco IOS	WiSM in Slot 13 cause Duplicate IP message and loss of access
CSCsi24069	Cisco IOS	Collect additional debug info for Modular IOS kernel crashes
CSCsi39631	Cisco IOS	Show mpls l2transport vc detail using incorrect packet counters
CSCsi42270	Cisco IOS	IOS-SLB Radius Server LB may not mark a real as failed
CSCsi48280	Cisco IOS	PRE3 Mcast: Switchover not shown from default to data MDT
CSCsi49436	Cisco IOS	Netflow API needs to be extended to provide peer AS information
CSCsi50028	Cisco IOS	dot1x port moves authorize->guest, radius attributes and zombie MAC held
CSCsi65363	Cisco IOS	Not able to run to t1 loopback when using a PA-MC-T3 with flexwan
CSCsi70426	Cisco IOS	Traceback seen when router received a craft EAP id-response frame
CSCsi71940	Cisco IOS	System crashed with auto-qos negative test with traffic .
CSCsi74194	Cisco IOS	18SXF: Egress SPAN may cause high CPU
CSCsi76842	Cisco IOS	Line protocol remains down on changing from frame-relay to hdlc/ppp.
CSCsi79991	Cisco IOS	VACL capture not supported for the GE-WAN or GigabitEthernet on SIP-400
CSCsi81885	Cisco IOS	Trunk negotiation fails when Po is configured with Min_links . .
CSCsi82337	Cisco IOS	Policy routing punts incoming packets to process with VRF select enabled
CSCsi87837	Cisco IOS	IF-MIB does not support gig interfaces on SPA-IPSEC-2G
CSCsi90816	Cisco IOS	show policy-map interface caused sup32 crash . .
CSCsi91324	Cisco IOS	MCAST packet drop when other interface goes down on DFC
CSCsi93273	Cisco IOS	Leak in Big buffer pool on SIP card with NetFlow-export version 9
CSCsi98587	Cisco IOS	Excessive MET refs and memleak after ipv4 stress, crash follows .
CSCsi99234	Cisco IOS	RP crash at validblock with %SYS-6-BLKINFO: Corrupted redzone blk
CSCsi99875	Cisco IOS	BOOM: spa_eeprom_read_bit on BOOTUP
CSCsi99991	Cisco IOS	When CMM is rebooted, FE goes into ErrDisabled state
CSCsj00385	Cisco IOS	logging event link-status default negates existing interface config
CSCsj01961	Cisco IOS	ifindex table size from nvram should be validated before malloc
CSCsj02971	Cisco IOS	12.2SRB - signed/unsigned error in code for 'show ip cache aggregation a
CSCsj03212	Cisco IOS	blade get into bad b2b state if it is not b2b ready
CSCsj04905	Cisco IOS	IOS-SLB: FWLB sticky config not get removed
CSCsj05519	Cisco IOS	Standby NSE crashed IDBINDEX_SYNC-3-IDBINDEX_ENTRY_LOOKUP
CSCsj08713	Cisco IOS	Disable bfd on SVI interfaces
CSCsj10375	Cisco IOS	802.1X: VLAN Changing on port causes link to go down
CSCsj10744	Cisco IOS	Input queue wedged with Inband Edit Packets on SIP-400
CSCsj11561	Cisco IOS	Inconsistent MTU for Adj. entries used by MLS Netflow and MLS CEF

Identifier	Technology	Description
CSCsj11771	Cisco IOS	VS2: transceiver_rp_oir_online takes ~6s during reg_invoke_oir_online
CSCsj13444	Cisco IOS	rsp720-10ge: PBR next-hop information lost on RPR switchover .
CSCsj14557	Cisco IOS	Bogus Port channel 345 is created on simultaneous boot sometimes
CSCsj14847	Cisco IOS	crypto connect command dropped after reload on unchannelized 2CT3+ .
CSCsj16292	Cisco IOS	DATACORRUPTION-1-DATAINCONSISTENCY: copy error
CSCsj17048	Cisco IOS	WS-X6708: show flow control shows send admin/oper state as desired
CSCsj17485	Cisco IOS	Router crashed on doing a show cry isa pro while deleting them
CSCsj18494	Cisco IOS	Leak +MN to pfc to avoid flooding due to tx span .
CSCsj27352	Cisco IOS	RX Priority q-limit is set to default after reload
CSCsj28026	Cisco IOS	WhitneyVS: Unable to mibwalk clcFdbVlanInfoTable . .
CSCsj28753	Cisco IOS	IF-MIB::ifHCOutUcastPkts is incorrect on ESM20G
CSCsj29657	Cisco IOS	Degradation in TPS - Whitney IOS image .
CSCsj32493	Cisco IOS	IPSEC: Incorrect IPsec connection info in InvalidSPI testing
CSCsj34267	Cisco IOS	SP crashes due to segmentation violation with 400 igmp groups/vrf
CSCsj34552	Cisco IOS	ip address of vlan interface not programmed into spa-ipsec-2g
CSCsj35776	Cisco IOS	Some of the VCs are INACTIVE after SPA OIR
CSCsj36689	Cisco IOS	Corruption in block allocated by svclc_config
CSCsj38796	Cisco IOS	LC/SP crash @ label_entry_get_inlabel
CSCsj42303	Cisco IOS	6K installs ffff.ffff.ffff in CAM table under very specific conditions
CSCsj48589	Cisco IOS	BGP route (injected by OER) remains in Routing table after path is clear
CSCsj51666	Cisco IOS	ip ssh ver 2 command missing in 12.2(25)EWA
CSCsj56703	Cisco IOS	SSO failover causes RSTP forwarding and physical interfaces blocking .
CSCsj58538	Cisco IOS	Lots of prowler/patriot interface go down for few second during sso swov
CSCsj61811	Cisco IOS	process restart pcmcia_driver.proc on SP crashes the SP
CSCsj64453	Cisco IOS	HSRP support in protocol policing
CSCsj66829	Cisco IOS	Switch crash with clear ip igmp snoop stat and show ip igmp snoop st
CSCsj66987	Cisco IOS	ifAlias for Subintf Reports the Previous Value if Description Deleted
CSCsj67096	Cisco IOS	Issue w/NATed traffic on PortChannel (WS-X6408 and WS-X6516) on Sup720
CSCsj72251	Cisco IOS	BOOTP replies dropped if DHCP snooping is enabled
CSCsj72438	Cisco IOS	Control plane instability and %EARL-DFC3-2-SWITCH_BUS_IDLE: Switching bu
CSCsj75636	Cisco IOS	Crash in SP observed when per-port igmp statistics cleared
CSCsj77885	Cisco IOS	%HA_EM-7-FMS_POLICY_MAX_ENTRIES message because of teminal length limit
CSCsj78751	Cisco IOS	ES20: shut & no shut on ZR XFP causes the port to stay down
CSCsj80655	Cisco IOS	timer value overflows when the specified val is larger than a long val
CSCsj81067	Cisco IOS	IPSec VPN SPA: OLD-CISCO-CHASSIS-MIB does not return cardType
CSCsj81502	Cisco IOS	show pagp clis are not displaying the correct information .
CSCsj83102	Cisco IOS	crash upon card type configuration on WS-X6582-2PA / PA-MC-8TE1+

Identifier	Technology	Description
CSCsj84641	Cisco IOS	some patches failed to commit during install commit of 41 patches.
CSCsj85930	Cisco IOS	t/b slot_earl_icc_shim_addr tm_send_message on changing to rpr
CSCsj86854	Cisco IOS	SPAN does not reset FPOE (to SP) when converting to distributed
CSCsj87584	Cisco IOS	call-home inventory full needs show ipdrom switch all for VSS
CSCsj88208	Cisco IOS	DOM not working for LR+ and ER+ Xenpaks
CSCsj88221	Cisco IOS	class-default should not police BPDUs
CSCsj89470	Cisco IOS	Bus Error crash in Netflow on 7200 running netflow and L2TP
CSCsj89905	Cisco IOS	EEM applet hangs if system prompt is changed
CSCsj90252	Cisco IOS	SYS-3-CPUHOG IP RIB Update seen on Active RP
CSCsj91795	Cisco IOS	Appl TCs are not monitored when 12.2SRB BR is used with 12.4(15)T1 MC .
CSCsj95733	Cisco IOS	Packet loss between sup4 uplink to 65xx modules
CSCsk02456	Cisco IOS	TBs found @ pm_assert_fail. .
CSCsk02962	Cisco IOS	Supervisor Reload after SSO switchover on Multicast MET reconstruction .
CSCsk03679	Cisco IOS	VS2: show mls nde intermittently causes ALIGN-3-SPURIOUS T/B's
CSCsk06769	Cisco IOS	shut on L2 int cause packets to loop back on T1 int causing traffic loss
CSCsk09155	Cisco IOS	spa-ipsec-2g remains in Initialization state
CSCsk18206	Cisco IOS	TCAM adjacency hardware programming problem with PBR and NAT .
CSCsk20346	Cisco IOS	P router crash due to no EOBC buffer and illegal access to low address
CSCsk23521	Cisco IOS	EARL-SPSTBY-2-SWITCH_BUS_IDLE is seen with SW switched traffic
CSCsk24272	Cisco IOS	SUP720-3B RP Crash due to I/O Buffer Leak by NDE w/ NAM 127.0.0.x Addr
CSCsk26973	Cisco IOS	Memory leak in nhrp_cache_delete for incomplete cache entries
CSCsk30146	Cisco IOS	Router crashed %DUMPER-3-PROCINFO: pid = 12315: (sbin/ios-base) SIGBUS
CSCsk33661	Cisco IOS	show platform hardware capacity should include LTL usage .
CSCsk33724	Cisco IOS	DOM does not work anymore for cwdm gbic/sfp
CSCsk33740	Cisco IOS	replay window size of 1024 causes IPsec Policy Check and Replay Failure
CSCsk34237	Cisco IOS	Egress multicast replication broken due to wecp .
CSCsk37675	Cisco IOS	IKE stuck after several hours of IKE SA rekey .
CSCsk38024	Cisco IOS	VS2: EtherChannel state on standby is incorrect due to out of order FEC
CSCsk41374	Cisco IOS	device crash seen when auth-proxy enabled on the LPIP vlan .
CSCsk43058	Cisco IOS	Port channel to WiSM controller suspended after upgrading to 12.2(33)SXH
CSCsk43673	Cisco IOS	C2W1: Network RF client takes too long to process switchover . .
CSCsk45585	Cisco IOS	Heathland: On bootup MPLS not supported on platform message
CSCsk55012	Cisco IOS	setting portDuplex from 'full' to 'full' may cause standby reset .
CSCsk55423	Cisco IOS	7600's SPD implementation allow COS 5 or above in Extended headroom
CSCsk58810	Cisco IOS	should NOT allow enable port-security on negotiating trunk interface .
CSCsk60874	Cisco IOS	show tech needs 'show diagnostic results' and 'show diagnostic events' .
CSCsk60912	Cisco IOS	MPLS forwarding table empty on standby RP .

Identifier	Technology	Description
CSCsk62017	Cisco IOS	multicast (hsrp/ospf) coming from service modules is blackholed by vacl.
CSCsk64860	Cisco IOS	Config rollback to data file causes system to stuck at delete file mode.
CSCsk65482	Cisco IOS	clear ip slb CLI is defined with wrong privilege level
CSCsk65860	Cisco IOS	IOS-SLB:Security ACL breaks Client traffic
CSCsk67801	Cisco IOS	WiSM:WiSM interfaces in manual LAG get shutdown at reload
CSCsk68656	Cisco IOS	AB76: MFI push issu client msg type 5020 V1 MTU differ btwn SRB1/SRC
CSCsk70087	Cisco IOS	Sup720 TLB exception created by fill_earl_vlan_stats_hdr .
CSCsk73627	Cisco IOS	WS-X6548-GE-TX powered down due to keep alive polling feature
CSCsk78396	Cisco IOS	Router may crash if SNMP walk on cefcModuleTable .
CSCsk80934	Cisco IOS	Add errmsg to clearly indicate if lc reset due to power convertor failur
CSCsk82459	Cisco IOS	VS2: continuous msg - Flooding detected in diag inband driver caused SSO
CSCsk82877	Cisco IOS	METROPOLIS #0 cnt=1 reg:[1B0]kic_kic_int 02
CSCsk83524	Cisco IOS	L3 physical interface input drop counter is incorrect .
CSCsk83646	Cisco IOS	BX10 ports don't link-up after Centaurus resets . .
CSCsk83683	Cisco IOS	VRF-Lite aware PBR feature does not work after reload/SSO swover
CSCsk84944	Cisco IOS	unidirectional Ethernet UDE is broken on WS-6704 after SW upgrade
CSCsk85987	Cisco IOS	VS2: After 2 x SSO, SVI was down and multicast join didn't work
CSCsk86381	Cisco IOS	KMI memory leak in 'IPSEC key engine' when delete p2 failed
CSCsk87262	Cisco IOS	Switch crashes when polling port security MIB for SIP or Flexwan
CSCsk88173	Cisco IOS	mac-address-table static with disable-snooping break on reboot
CSCsk88760	Cisco IOS	122SR:Routers crashes on unconfiguring vlan in the LACP mode
CSCsk89100	Cisco IOS	6196-RJ-21 Dropping all ingress frames with CRC counter incremented.
CSCsk89335	Cisco IOS	After SSO switchover, see 6K DC power supplies mismatched .
CSCsk91267	Cisco IOS	Module fails to come up with (FRU-power failed)
CSCsk93587	Cisco IOS	TestFabricCh0Health test failure with unidir traffic via Ch1 on Berytos
CSCsl04500	Cisco IOS	OBFL process causing 6708 high CPU
CSCsl04687	Cisco IOS	DFC3C pps counter does not work
CSCsl06110	Cisco IOS	DHCP snooping agent: parse failures when importing the DB
CSCsl08912	Cisco IOS	Vlan access list not working when have "xconnect vfi #" under the SVI
CSCsl13477	Cisco IOS	SSO not working with crypto maps terminating at same peer address .
CSCsl23758	Cisco IOS	WS-X6548-RJ-45: Wrong value of the output counter on show interface
CSCsl26981	Cisco IOS	PBACL config causes hostname change when you downgrade to Rockies image
CSCsl26998	Cisco IOS	Switch crashes on applying PBR with next-hop verify-availability
CSCsl41230	Cisco IOS	IPSec SPA breaks IPSec if interesting traffic uses TCP ports
CSCsl70148	Cisco IOS	PIM enabled p2p Crypto GRE Tunnels not installed in Hardware
CSCsl70634	Cisco IOS	67xx EC tx/rx traffic dependency resulting in low throughput
CSCsl94488	Cisco IOS	Smartports CLI missing in sup32 ipbase image

Identifier	Technology	Description
CSCsm17983	Cisco IOS	Memory corruption by l3_mgr_e7_fmask_init_platform
CSCsi05906	Content	WCCP:appliance failover does not update TCAM adjacency
CSCsi10700	Content	WCCP:copy TOS value from inner to outer GRE packet
CSCsi91658	Content	Wccp stops layer 2 redirection when dscp is present in the redirect acl
CSCsj09149	Content	WCCP: no redirection following change in configuration
CSCsj48440	Content	WCCP: L2 return traffic is software switched
CSCsk14208	Content	WCCP does not work after OIR or Reboot
CSCsl04908	Content	WCCP: shutdown of appliance i/f leads to c6k reload
CSCsb95806	Infrastructure	Incorrect 64bit counter on 1Gb MPLS interface via SNMP .
CSCsc33389	Infrastructure	When snmp-server host is deleted, the trap is not sent to other hosts
CSCsc84077	Infrastructure	IOS CLI will stop accepting octal by default
CSCsd52019	Infrastructure	cieIfStateChangeReason and locIfReason support broken.
CSCsf30779	Infrastructure	Add CLI for section keyword in show run output modifiers
CSCsh25151	Infrastructure	memory leak seen with reflexive ACL and NAT/PAT
CSCsh48919	Infrastructure	Embedded spaces in DOSFS dirs/file names cause crash in some platforms
CSCsh81291	Infrastructure	Exodus Mayflower C10K ISSU fails at loadversion
CSCsj37635	Infrastructure	Incorrect source IP address is used for IP SLA icmp-echo with VRF
CSCsj58223	Infrastructure	Bus Error after 'show memory' .
CSCsj80951	Infrastructure	*Neutrino* proc reported memory Freed/Holding is incorrect
CSCsj83924	Infrastructure	Porting command show history all to mainlines
CSCsj83966	Infrastructure	Syslog traps cause CPUHOG when lot of interface come up at same time. .
CSCsk10335	Infrastructure	Traceback @ ipc_send_message_blocked during bootup .
CSCsk27147	Infrastructure	SNMP stops responding while polling from CISCO-MEMORYPOOL-MIB
CSCsk38461	Infrastructure	Show platform hardware command getting rejected .
CSCsk67272	Infrastructure	CPU HOG while polling ciscoFrameRelayMIB .
CSCsl09867	Infrastructure	Exec-timeout not working at more prompt when using Modular IOS
CSCsl13216	Infrastructure	warm upgrade is not working .
CSCsl53110	Infrastructure	VSS: Stby rp crashes on boot
CSCeh56158	IPServices	NAT outside source translation fails for GRE packets .
CSCsg97662	IPServices	Cant disable skinny (tcp 2000) .
CSCsh92986	IPServices	Very long latency for RSH traffic going through FWSM .
CSCsi16903	IPServices	IGMPv3 mode 4 group report with {} source list gets translated to mode 6
CSCsi28444	IPServices	DHCP server has parse problems with x in bootfile
CSCsi42717	IPServices	saa_vrf_test_udpe & saa_vrf_test_itter generate an unexpected error mess
CSCsi57927	IPServices	FTP session hangs TCP in closewait after CLI times out . .
CSCsj07951	IPServices	Memory Corruption when Autoinstall over FR
CSCsj62846	IPServices	Need to differentiate IPv4 and IPv6 . .

Identifier	Technology	Description
CSCsj89544	IPServices	TCP retransmissions get dropped below IP layer. .
CSCsk07170	IPServices	MD5 validation error shows IPv4 address but should IPv6 address
CSCsk10604	IPServices	Syn pkts destined to VRF fail to match the default TCB in table
CSCsk29013	IPServices	IGMP groups in the vrf not rejoined after executing a cle ip mr vrf
CSCsk80935	IPServices	SXF12, SNMP response being broadcast .
CSCsk81396	IPServices	NAM process crash in 12.2SXF .
CSCsk82821	IPServices	The UUT not able to receive the Large ICMP message.
CSCsl00350	IPServices	ARP entry not created for nat translated IP .
CSCsl06431	IPServices	Modular IOS: Memory leak in udp.proc
CSCsc77148	LegacyProtocols	Router crash while issuing show ipx cache command. Cleanup SA warnings.
CSCsh34949	LegacyProtocols	DLSW router crash with Bus Error
CSCsj98895	LegacyProtocols	v2-single-tcp peer connection is established on a non config/prom peer
CSCsg05873	Management	Buffer leak with SNA Focalpoint PU consuming middle buffers with NMVTs
CSCsk36618	Management	Device crash with cdp traffic @ 200 pkts/sec and clear cdp table
CSCsi75566	MPLS	Packets dropped on FRR backup tunnel if protected intf is dot1q
CSCsi99825	MPLS	7613 crashed on SNMP ENgine
CSCsj55865	MPLS	Traceback seen @ lsd_rewrite_create and lsd_frr_co_req
CSCsk14113	MPLS	LDP change in advertise-tag for access list stop advertising some prefix
CSCsk57589	MPLS	TB:%LFD-3-INVINSTALLER & %BGP_MPLS-3-VPN_REWRITE(seen on bootup)
CSCec55244	Multicast	PIMv6: Spurious access at pim_ipv6_hello_addr_adv_size
CSCek26940	Multicast	Need to unhide interval for send-rp-discovery
CSCsh56720	Multicast	CPUHOG/Watchdog timeout when using igmp static group class-map cmd
CSCsi01481	Multicast	%PIM_PROT-3-SHUTDOWN_ERR seen at unconfig ipv6 pim rp-addr .
CSCsi97586	Multicast	MGX-RPM-XF-512 reset after customer deleted multicast vpn and vpn vrf
CSCsj16861	Multicast	Dynamically overwritten bidir RP doesn't get removed from HW
CSCsj64230	Multicast	bidir DF election should not be restarted on a downstream interface
CSCsk49073	Multicast	%DUMPER-3-PROCINFO ... SIGSEGV when running Extranet MVPN
CSCef54653	PPP	Members inactive in a multilink bundle except the first member. .
CSCse28421	PPP	%AAAA-3-BADSTR error when Multilink interface goes down .
CSCek49107	QoS	Router crashes @ traffic_shape_dequeue_shim .
CSCek78675	QoS	SIP200 crash at hqf_cwpa_pak_enqueue_local during qos test .
CSCse18146	QoS	SIP1-CT3: SIP1 crashed after switchover @giant_node_process .
CSCsg98040	QoS	QoS applied to int with dot1q trunk does not match MPLS EXP on 12.2S
CSCsk09651	QoS	Router may reload with shaping policy on MLPPPoFR . .
CSCec43841	Routing	EIGRP: IP next-hop incorrect on spokes when using no next-hop-self
CSCek33384	Routing	Tunnels stay down after cutover at MPLS head test cases
CSCek75079	Routing	Problem in type7 to type5 translation if summary-addr configured

Identifier	Technology	Description
CSCek76776	Routing	ip interface settings persistent after deleting/adding sub-interface
CSCek78315	Routing	Access to NULL ptr with debug ip ospf hello .
CSCek79264	Routing	static route tracked by track-object not installed into routing tabl .
CSCsa73179	Routing	Memory corruption/crash when 'no default-information orig' under RIP
CSCsc73725	Routing	EIGRP packet pacing should have lower minimum value
CSCsd34114	Routing	IPv6 Localpools allows more than one prefix per user
CSCse42362	Routing	EIGRP next hop not updated on spoke, in a dual hub/dual path dmvpn topo
CSCsf27220	Routing	Router crashes on traffic with NHRP
CSCsg12385	Routing	No IPv6 uRPF subblock control decode function
CSCsg16778	Routing	router may crash at bgp_update_nbrsoo after deleting BGP neighbor .
CSCsg25995	Routing	N/w configured are not seen in mbgp table with nbr nlri unicast multi
CSCsg63932	Routing	IPv6 Static issue with same path from two clients
CSCsg72029	Routing	setting M bit in RA supresses autoconfig bit
CSCsg94088	Routing	OSPF route map not matching community-list / ipv6 redistributing bgp
CSCsh20656	Routing	TCP header compression elicits upstream retransmissions from Fritz
CSCsh38140	Routing	CEF drops when using CEF LB paths and active link recovers from failure
CSCsh54797	Routing	high CPU in collection process after bringing up pppoe sessions twice .
CSCsh57509	Routing	RIPv2 does not delete redundant paths with different next hops .
CSCsh80008	Routing	BGP: soft reconfiguration inbound and neighbor weight has no effect
CSCsh82953	Routing	EIGRP pece routes missing extcomm attrs after redistribution to BGP .
CSCsh87744	Routing	IPv6 mcast: RPF fails even while MBGP has default route
CSCsh88825	Routing	bgp: advertisement-interval not nvgened for peer-groups
CSCsi09698	Routing	BGP adv connected prefixes suppressed by IP Event Dampening after reload
CSCsi15183	Routing	change MTU value causes %DUAL-3-INTERNAL in ipigrp2_add_item_dest
CSCsi17002	Routing	IPv6 PBR policy routes to non-attached destination
CSCsi25729	Routing	ISIS doesn't enable BFD except after micro reload
CSCsi27696	Routing	oldest ebgp bestpath not retained in eibgp multipath cases
CSCsi33147	Routing	OSPFv3: prefix lsa does not re-originate after interface comes up .
CSCsi41109	Routing	Traffic loss and High RP CPU with SPA OIR with a large configuration
CSCsi47635	Routing	deleted sub-interface shows up on next config sub-interface
CSCsi48304	Routing	Multi-source redistributing makes ospfv3 external db corrupt
CSCsi53353	Routing	BGP TTL Hack breaks ipv6 neighbor
CSCsi58303	Routing	eigrp resync peer graceful-restart repeatedly after reload .
CSCsi58867	Routing	CPUHOG After show ip route static or show ip route connected
CSCsi62017	Routing	%XDR-DFC3-6-XDRLCDISABLEREQUEST: Client XDR Interrupt Priority Client
CSCsi80057	Routing	RIP default-information originate with route-map not working correctly .
CSCsj00161	Routing	IPv6 may load balance between summary discard and reachability paths .

Identifier	Technology	Description
CSCsj04761	Routing	No space between 'any' and 'eq' after configuring ipv6 acl
CSCsj06265	Routing	Switch crashes when doing clear ip ospf process
CSCsj09838	Routing	RR some prefix might not be sent after bgp neighbor flaps .
CSCsj10185	Routing	CPU hog in ospfv3_clean_partial_spfQ and ospf_clean_partial_spfQ
CSCsj17820	Routing	Hub crashes during unconfiguration due to program counter error
CSCsj17950	Routing	ISIS redistributed static routes might not be advertised
CSCsj25841	Routing	default not sent using neighbor default-originate conditionally w/route
CSCsj25940	Routing	%SYS-2-NOTQ: unqueue didn't find 6433F698 in queue .
CSCsj32013	Routing	GSR crashing with bgp_vpnv4_purge_one_import .
CSCsj36133	Routing	Invalid header length BGP notification when sending withdraw
CSCsj37111	Routing	IPv4 inconsistencies & %FIB-4-FIBXDRINV upon reset LC
CSCsj53361	Routing	ISIS flaps after NSF/SSO of peer with 16 neighbor,5k routes and traffic.
CSCsj54395	Routing	router crash when iphc configured with SLIP encap
CSCsj64154	Routing	c7600 - %SIP200_MP-4-PAUSE: Non-master CPU is suspended for too long
CSCsj71306	Routing	mfibv4: HA: BGP MDT update is injected into standby . .
CSCsj72039	Routing	Prefix not in ISIS database if serial interface and passive
CSCsj80615	Routing	BGP not sending prefix with expected next hop to the peers . .
CSCsj85485	Routing	EIGRP NSF - MSFC switchover causes hello's to be sent over passive intf
CSCsj89636	Routing	isis convergance time delay with equal paths
CSCsj97484	Routing	32kEVC: ESM LC OIR crash causes RP to crash when LC comes up.
CSCsj99269	Routing	BGP: VPNv4 general scanner runtime close to 1 hour at boot time .
CSCsk21328	Routing	6504 crashes in IPV6
CSCsk26719	Routing	show ip access crash with per-user acl
CSCsk27077	Routing	router crash observed while clearing virtual access interface
CSCsk29853	Routing	ospf takes almost 10 minutes to flash Stale, self-originated LSAs
CSCsk33115	Routing	OSPF virtual-link fails to come up during IETF GR & RIB entries deleted
CSCsk35970	Routing	BGP Router/Scanner causes high CPU utilization when using BGP multipath
CSCsk35985	Routing	OSPFv3: router crashes for "show ipv6 ospf lsdb" after redist of routes
CSCsk36324	Routing	OSPF: spf calculation goes into loop causing high CPU .
CSCsk38877	Routing	PE_PUNT_UNRECOGNIZED should be an OUTPUT_FEATURE .
CSCsk46195	Routing	Arp entry does not age out with private vlans and no ip sticky-arp
CSCsk48182	Routing	BGP: Router crashes @ bgp_netlist_validate
CSCsk66339	Routing	ISIS fails remove native path from local RIB / del path from global RIB
CSCsk89546	Routing	RIB and FIB not updated after shut TE LB path
CSCsl13950	Routing	VS2:XDR_LC traceback seen on Standby-RP on bootup .
CSCsl18176	Routing	OSPF SPF calculation with TE metric absolute picks wrong egress .
CSCsl28278	Routing	OSPF-Route/CEF entry lost after SSO on the neighbor

Identifier	Technology	Description
CSCsl71540	Routing	Router crash after using cmd 'sh ip bgp x.x.x.x [bestpath
CSCsh72664	Security	DMVPN: OSPF neighbor flap and traceback @ tunnel_oqueue. .
CSCsj60938	Security	SCP with redirect option locks up console or VTY line .
CSCsj78065	Security	tunnel_trace CPUHOG in Net Background process
CSCsk00054	Security	mGRE fragmentation into tunnel broken
CSCei22295	WAN	Traceback is seen at fr_svc_tearardown_calls
CSCsc38968	WAN	Frame-relay EEK failure does not keep subinterface down
CSCsi70599	WAN	Standby reloads due to Config Sync: Line-by-Line sync verifying failure