



Cisco ASA 5500 Series Release Notes Version 7.0(6)

August 2006

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Introduction

The Cisco ASA 5500 series security appliance delivers unprecedented levels of defense against threats to the network with deeper web inspection and flow specific analysis, improved secure connectivity through end-point security posture validation and voice and video over VPN support. It also provides enhanced support for intelligent information networks through improved network integration, resiliency, and scalability. This release introduces significant enhancements to all major functional areas, including: firewalling and inspection services, VPN services, network integration, high-availability services, and management/monitoring.

For more information on all the new features, see [New Features, page 3](#).



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Additionally, the Cisco ASA 5500 series security appliance software supports Adaptive Security Device Manager. ASDM is a browser-based, Java applet used to configure and monitor the software on the security appliances. ASDM is loaded from the security appliance, then used to configure, monitor, and manage the device.

System Requirements

The sections that follow list the system requirements for operating a Cisco ASA 5500 series security appliance. This section includes the following topics:

- [Memory Requirements, page 2](#)
- [Determining the Software Version, page 2](#)
- [Upgrading to a New Software Release, page 2](#)

Memory Requirements

[Table 1](#) lists the DRAM memory requirements for the Cisco ASA 5500 series security appliance.

Table 1 *DRAM Memory Requirements*

ASA Model	DRAM Memory
ASA 5510	256 MB
ASA 5520	512 MB
ASA 5540	1 GB

All Cisco ASA 5500 series security appliances require a minimum of 64 MB of internal CompactFlash.

Determining the Software Version

Use the **show version** command to verify the software version of your Cisco ASA 5500 series security appliance.

Upgrading to a New Software Release

If you have a Cisco.com (CDC) login, you can obtain software from the following website:

<http://www.cisco.com/public/sw-center/index.shtml>

New Features

Version 7.0(6) includes several caveat resolutions

Important Notes

Important Notes in Release 7.0

This section lists important notes related to release 7.0(6).

Common Criteria EAL4+

For information on common criteria EAL4+, see the *Installation and Configuration for Common Criteria EAL4 Evaluated Cisco Adaptive Security Appliance, Version 7.0(6)* document.

FIPS 140-2

The Cisco ASA 5500 series security appliance is on the FIPS 140-2 Pre-Validation List.

Hostname and Domain Name Limitation

When using ASDM, the hostname and domain names combined should not be more than 63 characters long. If the hostname and domain names combined is more than 63 characters, you will get an error message.

WebVPN ACLS and DNS Hostname

When a deny weftype URL ACL (DNS-based) is defined, but the DNS-based URL is not reachable, a “DNS Error” popup is displayed on the browser. The ACL hitcounter is also not incremented.

If the URL ACL is defined by an IP instead of DNS name, then the traffic flow hitting the ACL will be recorded in the hitcounter and a “Connection Error” is displayed on the browser.

Proxy Server and ASA

If WebVPN is configured to use an HTTP(S)-proxy server to service all requests for browsing HTTP and/or HTTPS sites, the client/browser may expect the following behavior:

1. If the ASA cannot communicate with the HTTPS or HTTPS proxy server, a “connection error” is displayed on the client browser.
2. If the HTTP(S) proxy cannot resolve or reach the requested URL, it should send an appropriate error to the ASA, which in turn will display it to the client browser.

Only when the HTTP(S) proxy server notifies the ASA of the inaccessible URL, can the ASA notify the error to the client browser.

Mismatch PFS

The PFS setting on the VPN client and the security appliance must match.

ACS Radius Authorization Server

When certificate authentication is used in conjunction with Radius authorization, the ACS server sends a bogus Group=CISCOACS:0003b9c6/5a940131/username and is displayed in the vpn-session database.

Readme Document for the Conduits and Outbound List Conversion Tool 1.2

The Cisco ASA 5500 series security appliance Outbound/Conduit Conversion tool assists in converting configurations with **outbound** or **conduit** commands to similar configurations using ACLs. ACL-based configurations provide uniformity and leverage the powerful ACL feature set. ACL based configurations provide the following benefit:

- ACE Insertion capability - System configuration and management is greatly simplified by the ACE insertion capability that allows users to add, delete or modify individual ACEs.

User Upgrade Guide

- For a list of deprecated features, and user upgrade information, go to the following URL:
http://www.cisco.com/en/US/docs/security/asa/asa70/vpn3000_upgrade/upgrade/guide/migr_vpn.html

Features not Supported in Version 7.0

The following features are not supported in Version 7.0(6):

- PPPoE
- L2TP over IPSec
- PPTP

MIB Supported

For information on MIB Support, go to:

<http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml>

Downgrade to Previous Version

To downgrade to a previous version of the operating system software (software image), use the **downgrade** command in privileged EXEC mode. For more information and a complete description of the command syntax, see the *Cisco Security Appliance Command Reference*.

Caveats

The following sections describe the caveats for the 7.0(6) release.

For your convenience in locating caveats in Cisco's Bug Toolkit, the caveat titles listed in this section are drawn directly from the Bug Toolkit database. These caveat titles are not intended to be read as complete sentences because the title field length is limited. In the caveat titles, some truncation of wording or punctuation may be necessary to provide the most complete and concise description. The only modifications made to these titles are as follows:

- Commands are in **boldface** type.
- Product names and acronyms may be standardized.
- Spelling errors and typos may be corrected.

**Note**

If you are a registered cisco.com user, view Bug Toolkit on cisco.com at the following website:

http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl

To become a registered cisco.com user, go to the following website:

<http://tools.cisco.com/RPF/register/register.do>

Open Caveats - Release 7.0(6)

Table 2 Open Caveats

ID Number	Software Release 7.0(6)	
	Corrected	Caveat Title
CSCeh98117	No	Tunnel-group passwords in cleartext when viewed with more
CSCsc36891	No	Higher CPU utilization for url filtering in recent releases.
CSCsc98412	No	PIX console accounting doesn't appear in ACS Logged-In User report
CSCsd69625	No	EZVPN:IOS C876 Client can't connect to ASA using digi certs and noXauth
CSCsd99279	No	IKE: interop with Macintosh vpn client problem with transparent tunnel
CSCse06951	No	SNMP process stops working on PIX when the utilization is high
CSCse40999	No	SSH conns limited to 4 instead of 5
CSCse48144	No	cut-through proxy authentication misbehavior
CSCse67035	No	VPN filter deny outbound traffic if return is not permitted.
CSCse73922	No	Cmds excuted in SSH / Telnet sessions continue after session disconnects
CSCse74721	No	complete IPSEC SA deleted upon receiving delete for old SPI's
CSCse86968	No	Standby unit sends accounting records for replicated DACL commands
CSCse88062	No	Standby pix crashes following replication
CSCse98719	No	Connection fails with the CA cert of 4096 bits fails with Error #72eh
CSCsf05931	No	AAA: group-lock does not handle tunnel-group names with spaces
CSCsf06947	No	Large FTP transfer over L2L tunnel between PIX and Netscreen breaking

Resolved Caveats - Release 7.0(6)

Table 3 Resolved Caveats

ID Number	Software Release 7.0(6)	
	Corrected	Caveat Title
CSCee00612	Yes	F1 floods network if Syslog is not available
CSCei47678	Yes	SNMP packet size standards in RFC3417 not fully supported.
CSCek40279	Yes	Increase in CPU utilization when OSPF is enabled
CSCsd03664	Yes	Reload w/ Thread Name:Session Manager w/ high volume of L2L VPN traffic
CSCsd47976	Yes	Traceback on nameif command on unused intf with 8000 static commands
CSCsd59936	Yes	Registering to the RP for PIM fails if fragmented in more then 12 packs
CSCsd82355	Yes	Malformed syslog packets may be generated.
CSCsd85345	Yes	Traceback may occur in fover_parse on 7.0.4
CSCsd89983	Yes	Access-list entered at line 1 is ineffective until access-group is rede
CSCsd90505	Yes	traceback with assertion in file "vf_api.c", line 264
CSCsd92296	Yes	DHCP relay failed after failover
CSCsd93207	Yes	Show failover indicates different uptimes on devices in failover pair
CSCsd93380	Yes	Packets for VPN-12l peer get dropped instead of encrypted
CSCsd94835	Yes	Proxy may queue too many packets when url filtering client is down
CSCsd94875	Yes	Traceback in VPN/IPSec CLI code when clear crypto ipsec sa counter
CSCsd95170	Yes	PIX 7.0(4)10 : reporting incorrect context CPU usage
CSCsd97077	Yes	ASA/PIX - crash from SiVus SIP tester inside to outside w/ inspect/fixup
CSCsd97134	Yes	PIX/ASA ignores OSPF DBDs during adajency building
CSCsd98071	Yes	conns fail after two successful authentications to virtual telnet IP
CSCsd98435	Yes	DHCPD pool does not allow to set ip add on interface once it is removed
CSCsd99200	Yes	Traceback in 7.1.2 caused by strict http inspection
CSCsd99709	Yes	PIX gets high cpu when type q to interrupt output of show conf
CSCse00173	Yes	PIX 515 fails to synch via serial based failover with VPN config
CSCse00303	Yes	Traceback during active/active config replication with 4 syslog servers
CSCse00756	Yes	URL filtering using Websense locks up downloads.
CSCse00996	Yes	tcp normalizer drop to-the-box traffic not conforming to RFC793 (MSS)
CSCse01293	Yes	Traceback in the arp_forward_thread
CSCse02354	Yes	PIX crash by dispatch unit
CSCse02703	Yes	Passwords in startup config may be changed without user intervention
CSCse02722	Yes	SSL Handshake failure with self signed cert
CSCse03299	Yes	VPN clients behind same PAT device using IPSEC/TCP & NAT-T fails IKE neg
CSCse04610	Yes	EzVPN: assert Thread Name: IKE Daemon (Old pc 0x00501f6d ebp 0x03401418)
CSCse06536	Yes	ASA 7.1 : ASR not forwarding fragmented IP packets between contexts

Table 3 *Resolved Caveats (continued)*

ID Number	Software Release 7.0(6)	
	Corrected	Caveat Title
CSCse07242	Yes	Crash in pix_flash_config_thread
CSCse08300	Yes	Show block shows inuse and current values greater than max
CSCse08731	Yes	FIPS reload on failed ACL Checksum after clear config all
CSCse09591	Yes	ASA5540 crashes in IPsec message handler
CSCse10714	Yes	Shun behavior change in 7.x
CSCse11010	Yes	VPN:tback IKE Daemon (Old pc 0x001a9ee5 ebp 0x023d8dd8) 515 w/VAC +
CSCse11384	Yes	ASA crash in dhcp_daemon
CSCse14214	Yes	Malformed ICMPv6 NA packet causes PIX to crash and reload
CSCse14296	Yes	Trustpoint not found if ASA not enrolled with the trustpoint
CSCse14402	Yes	EzVPN:5505 Phase 2 SAs fail to establish causing tunnel to drop
CSCse15977	Yes	ASA/PIX reboot if 2 admin sessions are working on the same capture
CSCse19020	Yes	PPTP Pass-through not working due to inspection
CSCse20501	Yes	Passive FTP to Multinet server fails
CSCse22150	Yes	Traceback during config synch and console at More
CSCse22853	Yes	Active unit crash in accept/http when disabling DHCP relay
CSCse23164	Yes	PIX crash
CSCse23554	Yes	Memory leak within event_smtpmgr:es_SmtpSndMSG function
CSCse23751	Yes	Nested crash dump doesn't stop
CSCse27184	Yes	basic attribute is not checked in all mode config attributes...
CSCse29840	Yes	AdmissionConfirm received without an AdmissionRequest, ACF dropped
CSCse30049	Yes	SSH conns to the box not removed after a Failover
CSCse30061	Yes	PIX/ASA VPN decompress error when decrypting packet with IP compression
CSCse32309	Yes	PIX/ASA: Timeout of secondary flow causes crash in thread Checkheaps
CSCse33143	Yes	Dynamic ACL created under with command access-list <name> d ...
CSCse34179	Yes	MFW-R: traceback in 'clear cfg all' during a performance test.
CSCse35566	Yes	ASA 7.0.5 Traceback in Dispatch unit on clear xlate
CSCse37787	Yes	ASA: Standby crashed after becoming Active with VPN connections
CSCse38039	Yes	ASA drops small ICMP length packets with IPsec/UDP
CSCse40332	Yes	ASA multiple mode rollback of config failed for admin and other VC
CSCse40583	Yes	PIX 7 should not reply to the IP network address
CSCse40671	Yes	RTSP w/PAT, PIX set client_ports to NULL
CSCse45308	Yes	Static nailed rule does not match conn destined for that address
CSCse45450	Yes	PIX/ASA Crash in aaa thread
CSCse45694	Yes	Standby: Traceback in Thread Name: IKE Daemon with dACL
CSCse46292	Yes	Traceback in obj-f1/bld_pkt:_AddOctetString+17 in snmp thread

Table 3 Resolved Caveats (continued)

Software Release 7.0(6)		
ID Number	Corrected	Caveat Title
CSCse48193	Yes	ASA vulnerable to cross-site scripting when using WebVPN
CSCse50716	Yes	PIX 7.0.5.1 URL Filtering Traceback Thread Name: Dispatch Unit
CSCse50804	Yes	OSPF stuck in EXCHANGE in certain assymetric routing scenarios
CSCse53294	Yes	ASA Crash- when an SSH connection is made and "conf t" is issued
CSCse53344	Yes	IKE: vpn-tunnel-protocol attribute is not checked if the value is 0
CSCse54749	Yes	210007 LU allocate xlate failed syslog generated by overlapping nat cfg
CSCse58985	Yes	sh uauth shows 32 in-progress and prevents SSH to ASA using LOCAL db
CSCse61315	Yes	SSMIO-4GE SFP interfaces G1/1 - G1/3 don't operate
CSCse62914	Yes	Standby device Traceback in Thread Name: tcp_thread
CSCse66235	Yes	Memory exhausts with logging flash-bufferwrap and high syslog level
CSCse70993	Yes	Traceback observed in Thread Name: ci/console
CSCse75523	Yes	Received ARP request collision when issuing write standby
CSCse76115	Yes	Cascade delimiter not inserted with correct priority for dynamic crypto.
CSCse77122	Yes	FTP-data connection not replicated back to primary after failover
CSCse77680	Yes	P2 in progress test broken - could cause unexpected rekey.
CSCse77855	Yes	buffer leak upon IPSEC spoofing.
CSCse78065	Yes	# sign in config not replicated to Standby unit
CSCse78299	Yes	Primary/Secondary units become Active state when failover link failed
CSCse80001	Yes	Traceback in IKE daemon while trying to post event (syslog)
CSCse81384	Yes	traffic delay when dynamic arp entry times out
CSCse81633	Yes	ASA 4GE-SSM Gig ports silently drop IGMP joins
CSCse83905	Yes	dhcprelay stops working if FW interface ip address is modified
CSCse88873	Yes	IPV6: TCP SYN-ACK with layer 2 padding dropped
CSCse94241	Yes	Reload with Thread Name:vpnlb_thread when taking over as failover active
CSCse96289	Yes	Traceback with Thread Name: Dispatch Unit
CSCsf00368	Yes	Crashinfo file may incorrectly show 0% free memory

Related Documentation

For additional information on the Cisco ASA 5500 series security appliance, refer to the following URL on Cisco.com:

http://www.cisco.com/en/US/products/ps6120/tsd_products_support_series_home.html

Software Configuration Tips on the Cisco TAC Home Page

The Cisco Technical Assistance Center has many helpful pages. If you have a CDC account you can visit the following websites for assistance:

TAC Troubleshooting, Sample Configurations, Hardware Info, Software Installations and more:

<http://www.cisco.com/en/US/products/hw/vpndevc/ps2030/>

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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