

Configuration_Command_Differences

The following table lists the differences among FWSM and ASA software configuration commands.

Feature/Command	FWSM Description	ASA Description
Connection timeouts for all protocols set connection timeout idle	The idle keyword was introduced in FWSM release 3.2(1). This command closes idle connections of all protocols after the specified period of time.	The idle keyword is not supported in ASA software. The ASA software has the tcp keyword, which is used to close TCP connections after a specified time.
Connection rate limit set connection conn-rate-limit	This command was introduced in FWSM release 4.0(1). It allows users to rate limit TCP and/or UDP connections to a value specified in the CLI.	This command is not present in ASA software.
AAA authentication challenge aaa authentication challenge disable	This command was introduced in FWSM release 3.1(1). This command disables authentication challenge for ftp, telnet, http, and https.	This command is not supported in ASA software.
AAA authentication clear conn aaa authentication clear-conn	This command was introduced in FWSM release 3.2(1). This command forces active connections to close immediately after user authentication times out or when the authentication session is cleared with the clear uauth command.	This command is not supported in ASA software.
Virtual SSH [no] virtual ssh	This command was introduced in FWSM release 3.2(1). This command allows direct authentication using SSH.	This command is not supported in ASA software.
Interactive password prompts with RADIUS for authentication auth-prompt reject [invalid-credentials expired-pwd]	This command was introduced in FWSM release 1.1. The invalid-credentials and expired-pwd options were added in FWSM release 3.2(1). This command, with the new options, allows users to specify the strings during authentication rejection sdue to invalid credentials or expired passwords.	This command is supported in ASA software, but the invalid-credentials and expired-pwd options are not supported.
DHCP relay trusted interface (option 82) dhcprelay information trusted dhcprelay information trust-all	This command was introduced in FWSM command 4.0. This command allows users to preserve option 82 and forward a packet by identifying an interface as a trusted interface, ensuring that DHCP snooping and IP source guard features on the switch work along with the FWSM. The trust-all keyword enables the command for interfaces, as opposed to the trusted keyword, which enables the command for a single interface.	This command is not supported in ASA software.
http-map port-misuse	The command was introduced in FWSM release 3.1(1). This command restricts HTTP traffic by specifying a restricted application category. The port-misuse command is used in http map configuration mode, that is accessible using the http-map command.	This command is not supported in ASA software.

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<p>logging deny conn-queue-full</p>	<p>This command was introduced in FWSM release 3.1(1). When traffic is so heavy that the logging queue fills up, the FWSM might discard messages. This command prevents the creation of new transit connections through the FWSM to avoid discarding messages.</p>	<p>This command is not supported in ASA software.</p>
<p>CPU Threshold [no] cpu threshold rising</p>	<p>This command was introduced in FWSM release 3.2(1). When SNMP is enabled, traps are sent when the CPU levels reach a certain configurable mark.</p>	<p>This command is not supported in ASA software.</p>
<p>EtherType Access Lists and denying IPv4 and ARPs</p>	<p>In TFW mode with an ethertype access list configured to "deny all," both IPv4 and ARP cannot be denied on a FWSM device.</p>	<p>In TFW mode with an ethertype access list configured to "deny all," all ethertypes are denied, including IPv4 and ARP.</p>
<p>Direct Login or Logout using Virtual HTTP for User Authentication virtual http ip_address [host hostname]</p>	<p>Direct authentication including login and logout are supported using the virtual http command.</p>	<p>ASA software supports the login aspect of direct authentication but not logout. Because logout is not supported, direct authentication is not supported. ASA software does support cascading authentication with the virtual http command.</p>
<p>Route Monitoring route-monitor</p>	<p>The route-monitoring feature is supported. If multiple static routes are configured, the feature can detect if a network goes down and the next best route is used.</p>	<p>This feature is supported in ASA software using the sla monitor command. In this feature the ASA software supports more command options than FWSM software.</p>
<p>Old maps for inspections [no] ftp-map [no] gtpmap [no] h225-map [no] http-map [no] mgcp-map [no] sip-map [no] snmp-map</p>	<p>FWSM software still supports the old style xxx-map commands.</p>	<p>ASA software converted to the new style policy-map' and policy-match commands in release 7.2.</p>
<p>RIP rip</p>	<p>FWSM software still supports the old style single line rip configuration command.</p>	<p>ASA software converted to the new style multiline rip configuration command in</p>

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		release 7.2
TCP normalizer knob [no] control-point tcp-normalizer	FWSM software supports a limited TCP normalizer. This feature can be turned on or off using a knob.	ASA software does not have a knob to turn off the TCP normalizer.
Rate limits access-list-commit allocate-acl-partition size [no] resource acl-partition [no] resource partition [no] resource rule rule	Due to Hard NPs, FWSM has fixed rule limits and many commands to handle the limits.	ASA software does not have fixed rate limits, so it does not have these commands.
Xlates for all traffic [no] xlate-bypass	FWSM software always creates xlates for all traffic, including to-the-box traffic. This command was introduced to work around the xlate creation.	ASA software does not create xlates for all traffic, so it does not have these commands.
ACL optimization [no] access-list optimization enable	This command enables the access list optimization rules, which are optimized and downloaded to the Hard NPs. The command also reduces the number of ACEs for for each group.	This command is not supported in ASA software.
sysopt uauth allow-http-cache	This command is related to the direct authentication part of the virtual http command. When an authentication session times out and when a user connects again without this command, the user is prompted again for a username and password. If this command is used, then the web browser is allowed to supply the username and password from its cache.	This command is not present in ASA software.
sysopt np completion-unit	This command was introduced in FWSM release 3.2(5). This command allows users to enable the hardware completion unit in the accelerated path network processors (NPs), which ensures that packets are forwarded out in the same order in which they were received in the ingress queues of the NPs.	This command is not present in ASA software.
sysopt connection tcp sack-permitted	This command was introduced in FWSM release 3.1(12). The no form of the command allows users to clear the sack permitted option exchanged during the TCP three-way handshake. The sack option is enabled by	This command is implemented using the tcp-options selective-ack clear / allow command under tcp-map . The default is to

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	default.	allow the sack option, as done in FWSM.
sysopt connection tcp window-scale	This command was introduced in FWSM release 3.1. Thi no form of the command allows users to clear the window-scale TCP option. The option is allowed by default.	This command is implemented using the tcp-options window-scale {clear / allow} command under tcp-map. The default is to allow the window-scale option, as done in FWSM.
Disaster Recovery boot device module slot string	This is a SUP command that allows for disaster recovery of FWSM software by specifying different compact flash partitions.	In ASA software disaster recovery is performed using ROMMOM and a console connection.
SNMP trap commands snmp-server enable traps cpu threshold snmp-server enable traps cpu threshold rising snmp-server enable traps entity redun-switchover snmp-server enable traps entity alarm-asserted snmp-server enable traps entity alarm-cleared snmp-server enable traps nat snmp-server enable traps nat packet-discard snmp-server enable traps rate-limit-reached snmp-server enable traps resource snmp-server enable traps resource limit-reached	These commands and the related traps were introduced in FWSM release 3.2(1).	These commands and the related traps are not supported in ASA software.
Service Reset [no] service reset no-connection	This command was introduced in FWSM release 4.0. This command configures the FWSM to send a RST for a TCP packet, for which the FWSM does not have any connection history.	ASA software achieves the same behavior using the service resetinbound command.
[no] aaa schedule round-robin	This command has no documentation, although it appears to have been introduced	This command is not present in ASA software.

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	<p>in FWSM release 3.1 to resolve an AAA bug, which states the following: "The problem is, we see a lot of stale https connections on the groupq, which is not allowing the other connections like telnet and ftp to pass though. This will result in a latency in echoing back the characters typed on the telnet client. To get away from this problem, we are creating a CLI aaa schedule round-robin which will schedule the groupq and allow other connections to be processed smoothly, if there are any stale https connections. Use the no form of this command to make the groupq to be processed in FIFO format (which is the default)."</p>	
<p>Resource limits</p> <p>limit-resource ipsec <i>value / value%</i></p> <p>limit-resource mac-addresses <i>value / value%</i></p> <p>limit-resource rate fixups <i>value</i></p> <p>limit-resource rate <i>resource value%</i></p>	<p>The limit resource command supports rate limit % as the resources have upper limits. It also supports limiting MAC addresses and IPSec management tunnels.</p>	<p>ASA software does not have upper limits on resources, so it does not support % rate limits for resources. ASA software also does not support limiting MAC addresses and IPSec tunnels.</p>
<p>URL-Server</p> <p>url-server <i>ifc name vendor websense host local_ip protocol tcp connections num_conns</i></p> <p>url-server / <i>ifc name vendor websense host local_ip protocol udp context-name</i></p>	<p>In FWSM release 4.0 in multiple context mode, this command can be sent to the websense server using the context-name keyword. Also, the connections keyword can be used to specify the number of simultaneous TCP connections without the protocol keyword.</p>	<p>ASA software does not support the context-name keyword. Also, it requires the protocol keyword, followed by TCP for configuring the number of simultaneous connections.</p>