EventTracker

Actionable Security Intelligence

How to – Configure ASA 5500-X Series Firewall to send logs to EventTracker

EventTracker

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Abstract

This guide helps you in configuring ASA 5500-X Series Firewall to send logs to EventTracker.

Audience

Administrators, who are assigned the task to monitor and manage events using EventTracker.

Scope

The configurations detailed in this guide are consistent with EventTracker version 9.x and later, and **ASA 5500-X Series firewall**.

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Overview

Cisco hosts security firewall appliances like ASA (Adaptive Security Appliance). Initially PIX was widely used and later Cisco introduced ASA.

Cisco ASA can be widely used at home/small office/large enterprises.

Cisco ASA inherited many PIX features inculcating distinguished security interface levels. It is a combination of firewall, antivirus, intrusion prevention and virtual private network (VPN) defending against massive attacks in the network.

Prerequisites

- EventTracker Agent v9.x should be installed.
- Cisco ASA 5500-X Series firewall should be installed.

Configure ASA 5500-X Series firewall to send logs to EventTracker via CLI

- 1. Connect to your firewall using an SSH or Telnet client.
- 2. Login using administrative credentials for the firewall.
- 3. Type in the below commands in the CLI,

ASA> enable

ASA# configure terminal ASA(config)# logging enable ASA(config)# logging trap informational ASA(config)# logging host <Interface_Name> <EventTracker_Agent_IP> (e.g. ASA(config)# logging host inside 192.168.1.52) ASA(config)# exit ASA# write

Figure 1

4. Now, verify the syslog messages in EventTracker.



Configure ASA 5500-X Series firewall to send logs to EventTracker via ASDM.

1. Enable Logging

 Choose Configuration > Device Management > Logging > Logging Setup and check mark the Enable logging option as shown in the below image.

(E)	isco ASDM 6.2 for ASA - 10.78.177.11	
File	View Tools Wizards Window Helj	9
6	Home 🆧 Configuration 📴 Monitorine	g 🔜 Save 🔇 Refresh 🔇 Back 🔘 Forward 🦻 Help
+1	Device Management	Configuration > Device Management > Logging > Logging Setup
Device Us	Management Access System Image/Configuration Logging Logging Setup System Lists Event Lists Event Lists Event Lists Systog Servers Systog Setup Systog Setup	Enable logging Enable logging on the failover standby unit Send debug messages as syslogs Send syslogs in EMBLEM format Logging to Internal Buffer Specify the size of the internal buffer to which syslogs will be saved. When the buffer fills up, it will be overwritten. Buffer Size: 4096 bytes You can choose to save the buffer contents before the buffer is overwritten.
	NetFlow NetFlow Certricate Management Certricate Management Amagement Amagement Amagement Amagement Advanced Advanced Advanced How MITTP Redirect	ASDM Logging Specify the size of the queue for syslogs intended for viewing in ASDM. Queue Size: 100

Figure 2

2. Logging to a Syslog Server

You can send all the syslog messages to a dedicated syslog server. Perform these steps by using ASDM:

• Choose Configuration > Device Management > Logging > Syslog Servers and click Add to add a syslog server. The Add Syslog Server window appears.

Interface	IP Address	Protocol/Port	EMBLEM	Secure
-----------	------------	---------------	--------	--------





- Enter the following details as given below.
 - > Interface: Specify an interface name from the dropdown.
 - > IP Address: Enter the IP address of the EventTracker Manager.
 - Protocol: UDP
 - Port: 514
- Then, click OK.

nterface:	inside	<u> </u>
Address:	172.16.11.10	D
rotocol:	C TCP	UDP
ort:	514	
-	cages in Cisco F	MRI EM format (LIDP or
Log mes	adges in claco c	mound (our of



NOTE: Make sure that you have reachability to the syslog server from the Cisco ASA.

• The configured syslog server is seen as shown here. Modifications can be done when you select this server, then click Edit.

	P Frederick	Protocopport	EPRENEM	Secure
	172.16.11.100	U09/514	No	162
number of messages that	t are allowed to be queued when a syslog	server is busy. Lize 0 to indicate unlimited of	gueue stre.	
number of messages that	t are allowed to be queued when a syslog	server is busy. Use 0 to indicate unlimited of	gunue stre.	

Figure 5



NOTE: Check the **Allow user traffic to pass when TCP syslog server is down** option. Otherwise, the new user sessions are denied through the ASA. This is applicable only when the transport protocol between the ASA and the syslog server is TCP. By default, new network access sessions are denied by the Cisco ASA when a syslog server is down for any reason.

3. Set Log Severity

• Choose **Configuration** > **Device Management** > **Logging** > **Logging Filters** and select the logging destination (**Syslog Server**). Then, click **Edit** to modify the settings.

figuration > Device Management > Loggi	na > Logaina filters		
Configure systeg filters for logging destinations.			
Logging Destination	Sysicgs From All Event, Clesses	Syskogs From Specific Event Classes	Edit
Internal Buffer	- Duabled		
SMMP Trap	Disabled		
E-Mail	Deabled		
Console	Disabled		
Teinet and S3H Sessions	- Disabled		
ASCM	Disabled		
Syslog Servers	Disabled		



• You can send the syslog messages based on the severity. Here, **Informational** must be selected as show in example.

	and others			
slogs from All Event C	asses			
Filter on severity	Informational 💌			
C Use event list	user-auth-syslog * New			
C Disable logging fro	m all event classes			
Contraction of the state of the	In an over classes			
slogs from Specific Eve	ant Classes			
		Event Class	Severity	
Event Class: auth	Ψ.			
Event Class: auth	Add >>		1	
Event Class: auth Description: User A	Add >>		8	

Figure 7



Then, click **OK**.