

**Integration Guide** 

# Integrating Extreme Network Access Control (NAC)

EventTracker v9.x and above

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### Abstract

This guide provides instructions to configure Extreme Network Access Control to forward Extreme Network Access Control logs via syslog. After EventTracker is configured to collect and parse these logs, dashboard, and reports can be configured to monitor Extreme Network Access Control logs.

#### Scope

The configurations detailed in this guide are consistent with EventTracker version v 9.x or above and Extreme Management Center version 7.1.

#### Audience

Administrators who are assigned the task to monitor Extreme Network Access Control events using EventTracker.



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## 1. Overview

Extreme Networks Network Access Control (NAC) is a complete standard-based, multi-vendor, interoperable, pre-connect, and post-connect Network Access Control solution for wired and wireless LAN and VPN users. The Extreme Control engine is monitored by Extreme Management Center which provides the analytics for the network.

Log configuration can be achieved via syslog. It will send events like authentication events, user logon events, ethernet connectivity events. With this events EventTracker generate detail reports for user logon activities, ethernet connectivity status, and user authentication activities. Its graphical representation shows login success by username, authentication success by username, ethernet link status, etc.

## 2. Prerequisites

• Admin access to Extreme Network Access Control(NAC).

## 3. Configuring Extreme Network Access Control

### 3.1 Enable syslog/ Remote Logging.

- 1. Log in to the Extreme Network Access Control (NAC) web interface with Admin privileges.
- 2. Navigate to Alarms tab, right-click on the alarm or select the Menu icon (=) to display several additional functions.
- 3. Click on Edit Alarm Definition.

Clear Selected Alarm(s)
Clear Selected Alarm(s) w/ Reason
Clear All Alarms
Edit Alarm Definition
Alarm History
Device View
Search Maps

4. Select to open the alarm in the <u>Alarm Configuration window</u>, from which you can edit the criteria which triggers the alarm. The **Create Custom Criteria Alarm Definition** window opens.

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Create	Custom Criteria Alarm Definition	×
Name:		
Seventy:	👁 Set from source	-
Enabled:	0	
Criteria	Actions Other Options	
Cus	tom Criteria	
Г	🙆 Add 🔫 🛞 Edit 🥹 Pannesse	
	vlatch Oris	
2		
Add	litional Criteria	
54	lett Groups	
		incel

- 5. The severity of the alarm displays in the Severity field. Use the drop-down list to change the alarm severity. The Enabled check box indicates if the custom criteria has been enabled.
  - Select the **Criteria** tab to open the **Custom Criteria** window, where you can Add, Edit or Remove specific criteria details the alarm.

Use the Additional Criteria field to add new criteria. Select the **Select Groups** button to open the Alarm Group Section window.

• Select the **Actions** tab to Add, Edit, Remove actions to the alarm definition. Select the Add button to open the Action drop-down list:

Edit Custom	Criteria Alarm Definition: AP Out of Service	×
Severity: 🔻 Cr		w
Enabled: 🞯		
Criteria Act	ions Other Options	
Q Add +	💥 Edita. 👙 Remove - Test	The second se
Email.	kebon	
Systog	Action.	-
Trap A	etian	
Custor	n Action	
Task A	(00h.,	
Extern	al Workflow Action	
🗑 Enable Alarm	n Action Umit	
Max Count:		
Reset Interval:	1 🗘 Days 💌	
	C	Cancel



- 6. Select Syslog action from the drop-down list.
  - Syslog Server: Enter EventTracker IP address.
  - Port: Enter syslog server port number 514.
  - Click **Enable** to provide custom log format.

Time \$time Device \$device: alarmName="\$alarmName", alarmSource="\$alarmSource", alarmSourceName="\$alarmSourceName", alarmSubcomponent="\$alarmSubcomponent", severity="\$severity", type="\$type", trigger="\$trigger", server="\$server", Time="\$time", message="\$message", eventType="\$eventType", eventSeverity="\$eventSeverity", eventCategory="\$eventCategory", eventTitle="\$eventTitle", eventUser="\$eventUser", eventClient="\$eventClient", deviceIP="\$deviceIP", deviceIpCtx="\$deviceIpCtx", deviceNickName="\$deviceNickName", deviceBootProm="\$deviceBootProm", deviceStatus="\$deviceStatus", snmp="\$snmp", sysName="\$sysName", sysLocation="\$sysLocation", sysUpTime="\$sysUpTime", chassisId="\$chassisId", chassisType="\$chassisType", trapName="\$trapName", trapEnterprise="\$trapEnterprise", trapOid="\$trapOid", trapArgs="\$trapArgs"

Note: We can receive all type of Extreme NAC event logs to EventTracker with above format.

7. Click Save changes.

### 4. EventTracker Knowledge Pack

After logs are received by EventTracker manager, Knowledge Packs can be configured into EventTracker.

The following Knowledge Packs are available in EventTracker to support Extreme Network Access Control.

#### 4.1 Categories

- Extreme Network Access Control: User logon activities This saved search provides information related to user login success and user logout events.
- Extreme Network Access Control: Ethernet port status This saved search provides information related to ethernet link goes up and down status.
- Extreme Network Access Control: User authentication activities This saved search provides information related to user try to authenticate for login into Extreme Network Access Control.

#### 4.2 Reports

• Extreme Network Access Control - User login and logout – This report is a summary of users try to login and logout into Extreme Network Access Control and it give success status. It contains key field such as log datetime, username, IP address, and logon status.

LogTime	Computer	User Name	Console Type	Server IP address	Client IP Address	Status
07/12/2021 05:43:25 PM	EXTREME_ACCESS_CONTROL- SYSLOG	kenneth	арр	10.100.0.4	10.100.0.131	Login
07/12/2021 05:43:25 PM	EXTREME ACCESS CONTROL		ssh	10.100.0.4	10.20.0.11	logout
07/12/2021 05:43:25 PM	EXTREME_ACCESS_CONTROL- SYSLOG	admin	xml	10.100.0.4	10.100.0.18	logout
07/12/2021 05:43:25 PM	EXTREME ACCESS CONTROL		ssh	10.100.0.4	10.100.0.121	Login
07/12/2021 05:43:25 PM	EXTREME_ACCESS_CONTROL- SYSLOG	maxx	ssh	10.100.0.4	10.100.0.121	logout

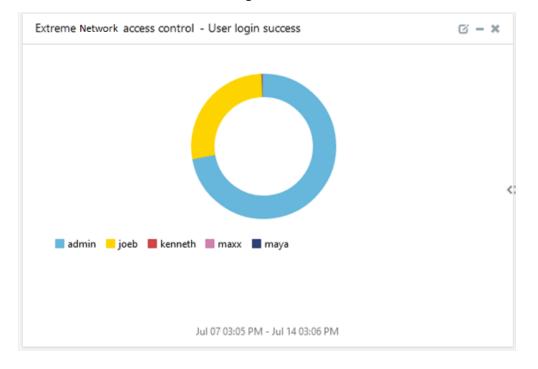
• Extreme Network Access Control - User authentication success – This report is a summary of users trying to authenticate for Extreme Network Access Control and it gives success status or failure status. It contains key fields such as username and IP address.

LogTime	Computer	User Name	Client IP Address
07/12/2021 07:50:33 PM	EXTREME_ACCESS_CONTROL-SYSLOG	maya	10.100.0.131
07/12/2021 07:50:33 PM	EXTREME_ACCESS_CONTROL-SYSLOG	admin	10.20.0.12
07/12/2021 07:50:33 PM	EXTREME_ACCESS_CONTROL-SYSLOG	kenneth	10.20.0.12
07/12/2021 07:50:33 PM	EXTREME_ACCESS_CONTROL-SYSLOG	joeb	10.100.0.121

• Extreme Network Access Control – Ethernet link status – This report is a summary of link port connectivity status goes up or down status. It contains key fields such as ethernet connected port number, ethernet port name, status, and IP address.

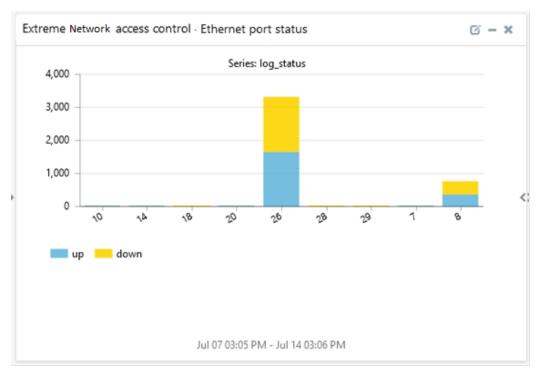
LogTime	Computer	Interface Name	Interface Port	Port Status	IP Address
07/12/2021 07:50:35 PM	EXTREME_ACCESS_CONTROL- SYSLOG	ge	28	Down	10.100.0.10
07/12/2021 07:50:35 PM	EXTREME_ACCESS_CONTROL- SYSLOG	ge	15	Up	10.100.0.11
07/12/2021 07:50:35 PM	EXTREME_ACCESS_CONTROL- SYSLOG	ge	10	Down	10.100.0.21
07/12/2021 07:50:35 PM	EXTREME_ACCESS_CONTROL- SYSLOG	ge	12	Up	10.100.0.14
07/12/2021 07:50:35 PM	EXTREME_ACCESS_CONTROL- SYSLOG	ge	26	Down	10.100.0.1

### 4.3 Dashboards

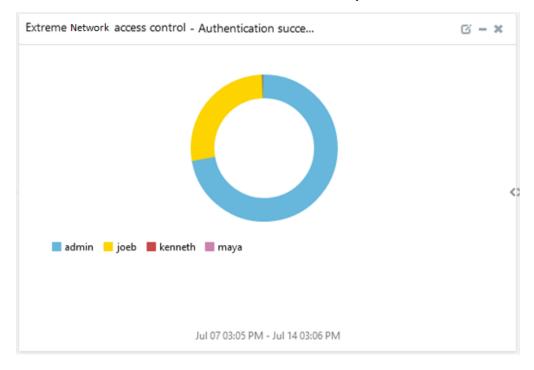


• Extreme Network Access Control - User login success

#### • Extreme Network Access Control - Ethernet port status

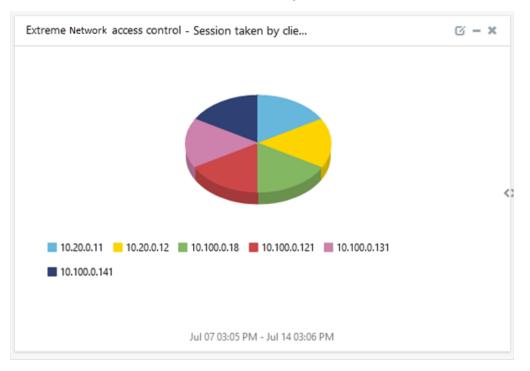






• Extreme Network Access Control - Authentication success by username

#### • Extreme Network Access Control - Session taken by client IP



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## 5. Importing Extreme Network Access Control Knowledge Pack

## into EventTracker

**NOTE**: Import knowledge pack items in the following sequence:

- Categories
- Token Template
- Knowledge Objects
- Flex Reports
- Dashboard
- 1. Launch the EventTracker Control Panel.
- 2. Double click Export-Import Utility.



🐁 Export Import Utility			
Export Import			
Provide the path and file name of the Categories file. Use the '' butt     Click the Import button.			
Options			
Category			

3. Click the **Import** tab.

#### 5.1 Categories

- 1. After you have opened **Export Import Utility** via **EventTracker Control Panel**, click the **Category** option, and then click Browse .
- Navigate to the Knowledge Pack folder and select the file with extension ".iscat", e.g.,
   "Categories\_Extreme Network Access Control .iscat" and then click on the Import button.



Export Import Utility	_		×
Provide the path and file na     Click the Import button.     Options         Category         Filters         Alerts         Systems and Groups         Token Value         Reports	me of the Categories file. Use the '' button to browse and locate the import file.		
Behavior Correlation	Import	Close	9

EventTracker displays a success message:



#### 5.2 Token Template

For importing **Token Template**, navigate to **EventTracker manager** web interface.

1. Click **Parsing Rules** under the **Admin** option in the EventTracker manager web interface.

	🔎 Admir	n → Tools →
ers	🧭 Parsing Rules	<b>†</b> /
lt Contain:	s set of rules which tell what kin	d of data you want
Configuration	Systems	

2. Click the **Template** tab and then click the **Import Configuration** button.

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Parsing Rule	s			
Parsing Rule	Template			
Groups			$\oplus$	Group :
Default			<b>^</b>	
Azure Intune			1	Templa
	<b>A</b> 7.	Admin /	Parsing Rule	25
		_	5 1 ∓	
	Active		~	

 Click Browse and navigate to the Knowledge Packs folder (type %et\_install\_path%\Knowledge Packs in navigation bar) where ".ettd", e.g., "Token Templates\_Extreme Network Access Control .ettd file is located. Wait for few seconds, as templates will be loaded. After you see the templates, click desired template, and click Import button.

Import	
Select file Note: Please selec	t file of type *.ettd (eventtracker template dashlets).

#### 5.3 Reports

1. In EventTracker Control Panel, select **Export/ Import utility** and select the **Import tab**. Then, click **Reports** option, and Choose **New (\*.etcrx)**:



2. Click the Import button	me of Schedule Report file. Use the '' button to browse and locate the import fi	ile.	
Options Category	olate, first import template and proceed with exportimport utility.		
<ul> <li>Filters</li> <li>Alerts</li> </ul>	O Legacy (* issch)		
<ul> <li>Systems and Groups</li> <li>Token Value</li> </ul>	*jssch		
<ul> <li>Reports</li> <li>Behavior Correlation</li> </ul>			

2. Once you have selected **New (\*.etcrx)**, a new pop-up window appears. Click on the **Select File** button and navigate to the file path with a file having the extension ".etcrx", e.g., Reports\_Extreme Network Access Control.etcrx.

문을 Reports Import						
Note : If report(s) contains template,	first import template and procee	d with report import proce	SS.			
Select file *.etcrx						Select file
Available reports						
Title		Frequency Show a		Q Q		
	Title Sites	Groups	Systems	Frequency	Runtime	Туре

3. Wait while reports are being populated in below tables. Now, select all the relevant reports and then click **Import t** button:

Note: Set run time option is not applicab	le for Defined Reports and Hourly Reports	
Set run time for report(s) from	AM • at interval of _ minutes	Set 🛈
Replace	to Replace	
		Note: Make sure that Site(s), Group(s) and System(s) selections are valid.

4. EventTracker displays a success message:



Export Import Utility	×
Selected reports configurations are imported successfully	
ОК	

### 5.4 Knowledge Object

1. Click **Knowledge objects** under the **Admin** option in the EventTracker manager page.

		🔎 Admin <del>-</del>	Tools 🕶 📀
🚍 Active Watch Lists	💭 Event Filters	😥 Parsing Rules	🏫 / Da
Alerts	Eventvault	Report Settings	_
Behavior Correlation Rules	FAQ Tile Configuration	Systems	
🗞 Behavior Correlation Settings	Group Management	QQ Users	
Casebook Configuration	Q IP Lookup Configuration	r Weights	Systems since the last 24 hou
କଳ୍ପି Category	·፴· Knowledge Objects	Windows Agent Config	_
Diagnostics	Danager Manager		

2. Click on the **import object** icon:

Admin / Knowledge Objects
Objects 🕂 Ҭ 🏦 🌣
Import Objects

3. A pop-up box appears, click Browse in that and navigate to knowledge packs folder (type %et\_install\_path%\Knowledge Packs in navigation bar) with the extension ".etko", e.g., KO\_Extreme Network Access Control .etko and then click Upload.

Import		٦
KO_ <product name="">.etko</product>	Browse Upload	

4. List of available knowledge object will appear. Select the relevant files and click on **Import** button.

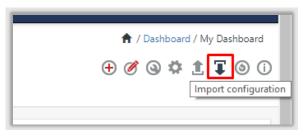


#### 5.5 Dashboard

- 1. Login to **EventTracker**.
- 2. Navigate to **Dashboard**  $\rightarrow$  **My Dashboard**.



3. In My Dashboard, Click on Import Button:



- 4. Select the browse button and navigate to Knowledge Pack folder (type %et\_install\_path%\Knowledge Packs in navigation bar) where .etwd, e.g., Dashboards\_Extreme Network Access Control .etwd is saved and click on Upload button.
- 5. Wait while EventTracker populates all the available dashboards. Now, choose **Select All** and click on **Import** Button.



mport				
Note: If dashlet configured using p	ersisted report, first import	t the report and proceed w	ith importing dashlet	
Available widgets ☑ Select All				
			Ir	nport Close

## 6. Verifying Extreme Network Access Control Knowledge Pack in

## EventTracker

#### 6.1 Categories

- 1. Login to EventTracker.
- 2. Click Admin dropdown, and then click Categories.
- 3. In **Category Tree** to view imported categories, scroll down and expand **Extreme Network Access Control** group folder to view the imported categories.

Category		
Category Tree Search		
Extreme Network Access Control     Extreme Access Control Engine: User logon activities     Extreme Network Access Control: Ethernet port status     Extreme Network Access Control: User Authentication activities	^	

#### 6.2 Token Value

- 1. In the EventTracker web interface, click the Admin dropdown, and then click Template.
- 2. In the **Template** tab, click on the **Extreme Network Access Control** group folder to view the imported Token Values.

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Parsing Rule	S		
Parsing Rule	Template		
Groups		0	Ð 👬
Extreme Network	Acce	Ø	^

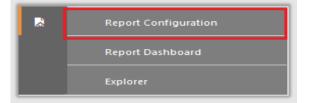
#### 6.3 Knowledge Objects

- 1. In the **EventTracker** web interface, click the **Admin** dropdown, and then click **Knowledge Objects.**
- 2. In the **Knowledge Object** tree, expand the **Extreme Network Access Control** group folder to view the imported Knowledge objects.

Knowledge Objects		
Search objects	Q	Q
Groups	+ 0	1
Extreme Network Access Control		^
Extreme Network Access Control	Ø	Ē

#### 6.4 Reports

1. In the EventTracker web interface, click the Reports menu, and then select the Report Configuration.



- 2. In **Reports Configuration** pane, select the **Defined** option.
- 3. Click on the Extreme Network Access Control group folder to view the imported reports.

Report Configuration	
O Scheduled O Queued O Defined	
Report Groups	+ <b>#</b>
Extreme Network Acce	i 🖉 ^

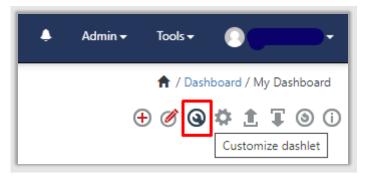
#### 6.5 Dashboard

1. In the EventTracker web interface, Click on Home Button and select **My Dashboard**.



	Home
Dashb	My Dashboard
k	Threats
	Incidents

2. Select **Customize daslets** (a) and type **Ubiquiti** in the search bar.



Customize dashlets			×
Extreme			Q
Extreme Network Access Contr			
			Add Delete Close



#### **About Netsurion**

Flexibility and security within the IT environment are two of the most important factors driving business today. Netsurion's cybersecurity platforms enable companies to deliver on both. Netsurion's approach of combining purpose-built technology and an ISO-certified security operations center gives customers the ultimate flexibility to adapt and grow, all while maintaining a secure environment.

Netsurion's <u>EventTracker</u> cyber threat protection platform provides SIEM, end protection, vulnerability scanning, intrusion detection and more; all delivered as a managed or co-managed service. Netsurion's <u>BranchSDO</u> delivers purpose-built technology with optional levels of managed services to multilocation businesses that optimize network security, agility, resilience, and compliance for branch locations. Whether you need technology with a guiding hand or a complete outsourcing solution, Netsurion has the model to help drive your business forward. To learn more visit <u>netsurion.com</u> or follow us on Twitter or LinkedIn. Netsurion is #19 among MSSP Alert's 2020 Top 250 MSSPs.

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