

## Integration Guide

# Integrating ntopng with EventTracker

EventTracker v9.2 and later

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April 30, 2021

## Abstract

This guide helps you in configuring ntopng with EventTracker to receive ntopng events. In this guide, you will find the detailed procedures required for monitoring Ntopng.

## Scope

The configuration details in this guide are consistent with EventTracker version 9.2 and later, ntopng v4.2.

## Audience

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

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# 1. Overview

ntopng is the next-generation version of the original ntop. It is a passive network monitoring tool focused on flows and statistics that can be obtained from the traffic captured by the server.

EventTracker integrates with ntopng using syslog. ntopng sends events information like alerts, web traffic activities, etc. EventTracker generates a detail reports for ,suspicious traffic activities, web traffic activities, etc. Its graphical representation shows web traffic activities source IP address, destination IP address, top accessed URL, etc.

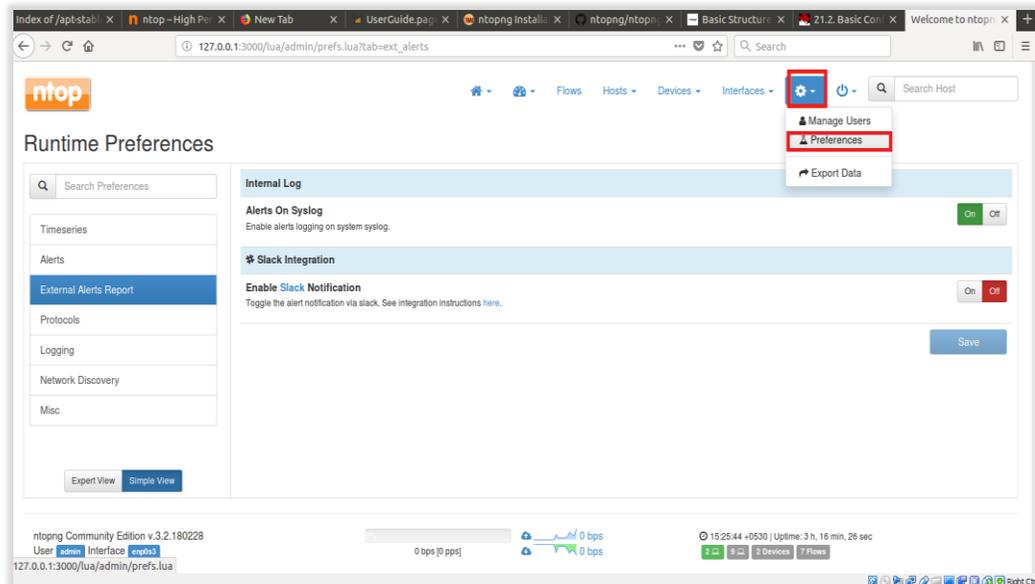
EventTracker triggers alerts in the event when suspicious traffic is detected by ntopng.

# 2. Prerequisites

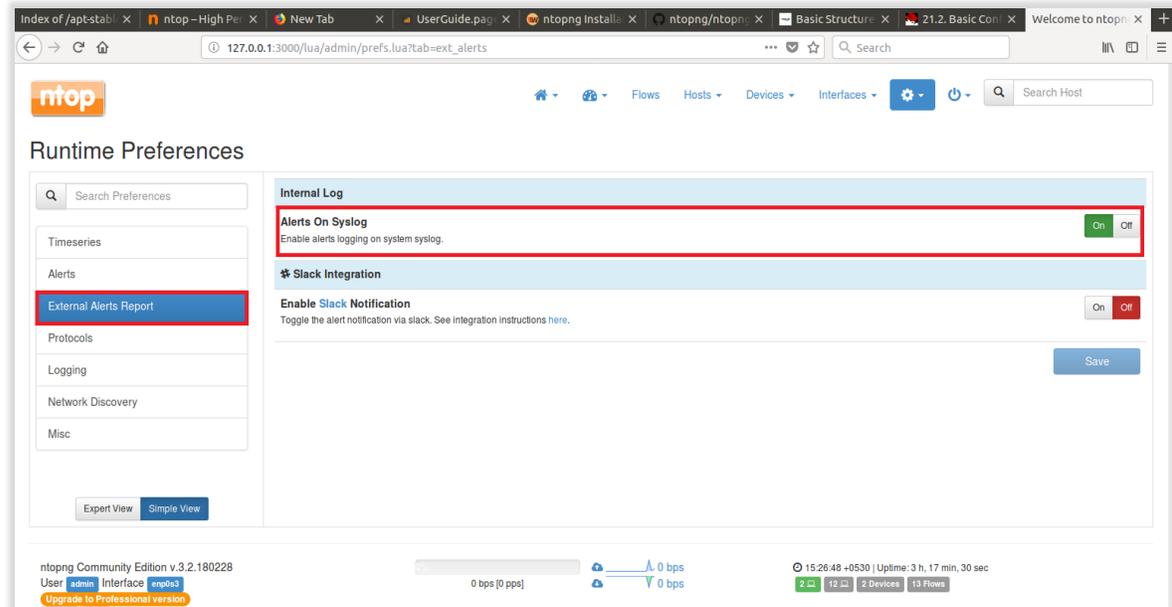
- Admin access to ntopng web interface.
- Collect EventTracker IP address for log integration.
- Allow syslog server port 514 if any firewall exists between ntopng and EventTracker.

# 3. Integrating ntopng events to EventTracker server

1. Edit the rsyslog.conf file using the following command.  
**vi /etc/rsyslog.conf**
2. In the rsyslog.conf file scroll to the bottom and add the following line.  
**If \$programname == 'ntopng' then @eventtracker\_ip:514**
3. Launch ntopng Web Interface.
4. Hover over setting and select **Preferences**.



5. On the left-hand pane, select **External Alerts Report**.
6. Enable **Alerts on Syslog** option.



## 4. EventTracker Knowledge Pack

Once logs are received into EventTracker; alerts, reports can be configured into EventTracker.

The following knowledge packs are available in EventTracker to support Windows.

### 4.1 Categories

**Ntopng: Alert** – This category provides information related to suspicious traffic activities like syn flood attack, syn flood victim, etc.

**Ntopng: Web traffic activities** – This category provides information related to web traffic activities accessed by user.

### 4.2 Alerts

**Ntopng: Alert** – This alert is generated whenever suspicious traffic activities are detected by Ntopng.

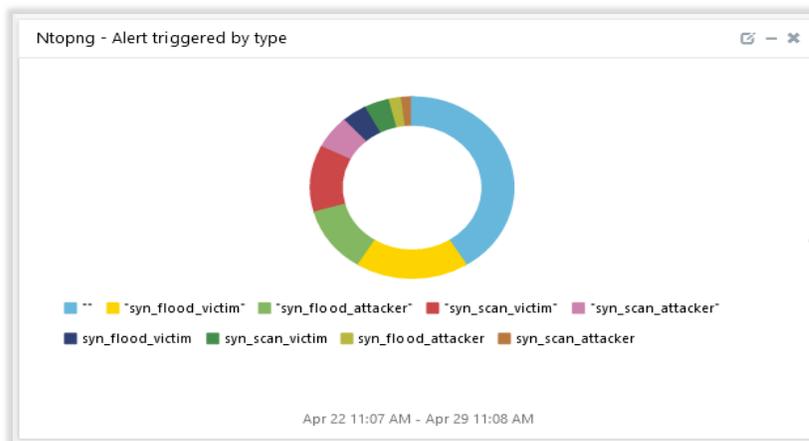
### 4.3 Reports

**ntopng - Web traffic activities** – This report provides information related to user accessed web traffic activities. It contains the field information like, source IP, source port, destination IP, destination port, URL, total bytes count bidirectional client and server, etc.

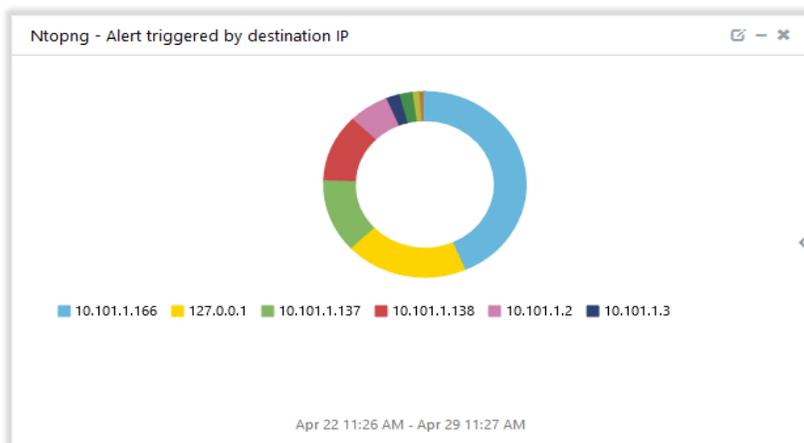


## 4.4 Dashboards

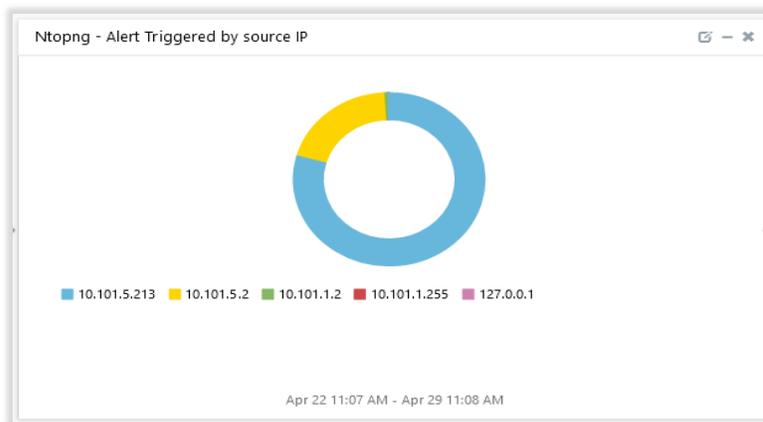
- ntopng - Alert triggered by type



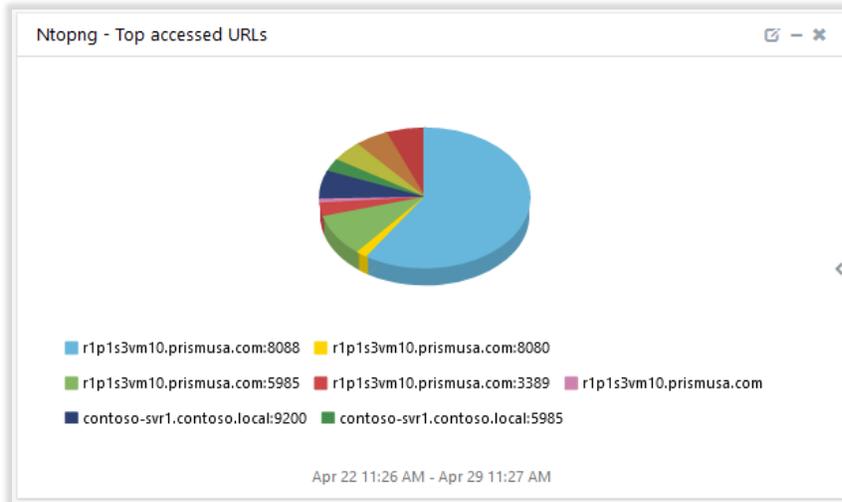
- ntopng - Alert triggered by destination IP



- ntopng - Alert triggered by server IP



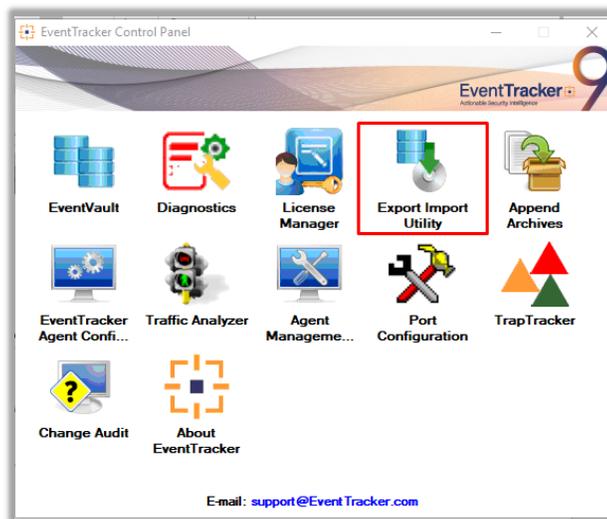
- ntopng - Top accessed URLs



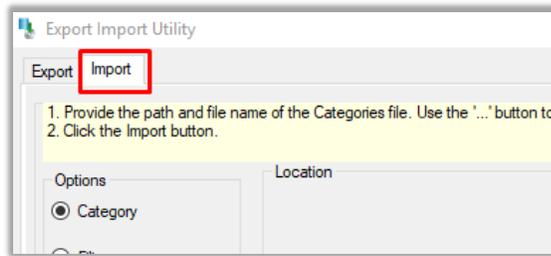
## 5. Importing Knowledge Pack into EventTracker

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

- Categories
  - Alerts
  - Token Template/Parsing Rule
  - Flex Reports
  - Knowledge Objects
  - Dashboards
1. Launch the **EventTracker Control Panel**.
  2. Double click **Export-Import Utility**.



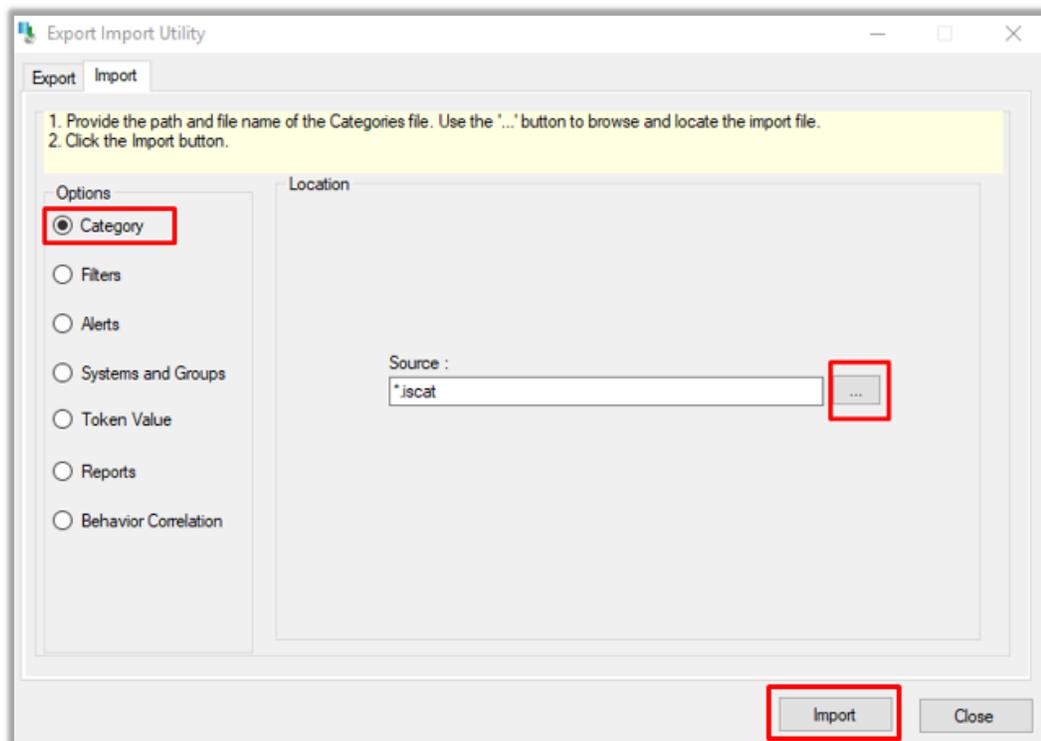
Export-Import Utility window opens.



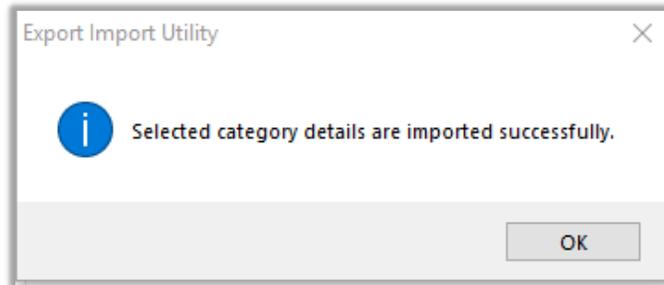
3. Click the **Import** tab.

## 5.1 Categories

1. In **Export-Import Utility** window, select the **Category** option, and click **Browse**
2. Navigate to the knowledge pack folder and select the file with the extension **".iscat"**, like **Categories\_Ntopng.iscat** and click **Import**.

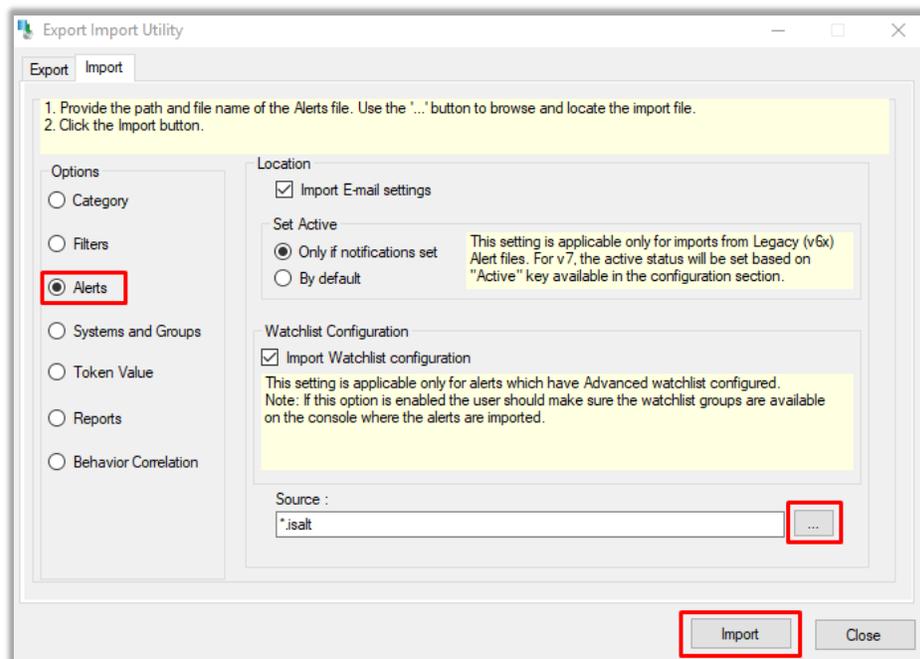


EventTracker displays a success message.

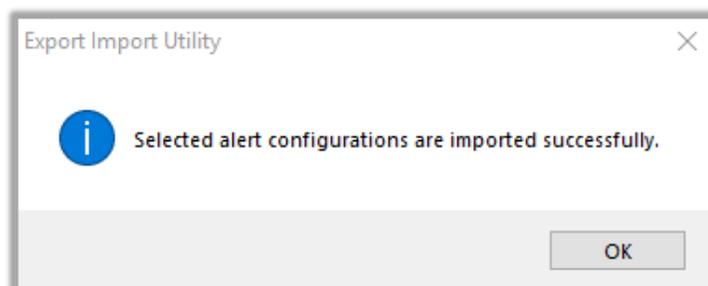


## 5.2 Alerts

1. In **Export-Import Utility** window , select the **Alert** option and click **Browse**.
2. Navigate to the knowledge pack folder and select the file with the extension **“.isalt”**, e.g., **“Alerts\_Ntopng.isalt”** and click **Import**.



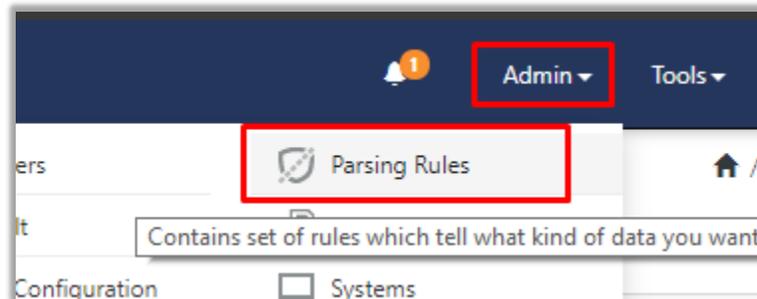
EventTracker displays a success message.



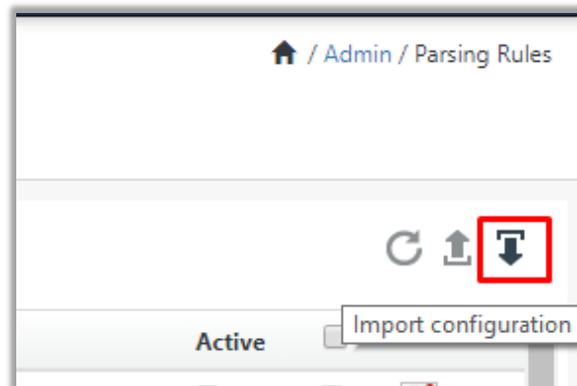
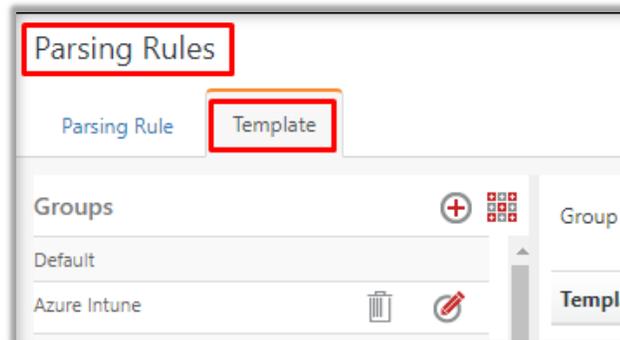
## 5.3 Token Template

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

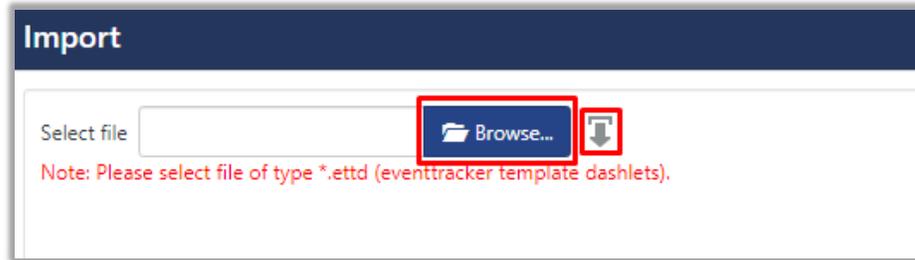
1. Click **Parsing Rules** under the **Admin** option in the EventTracker manager web interface.



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

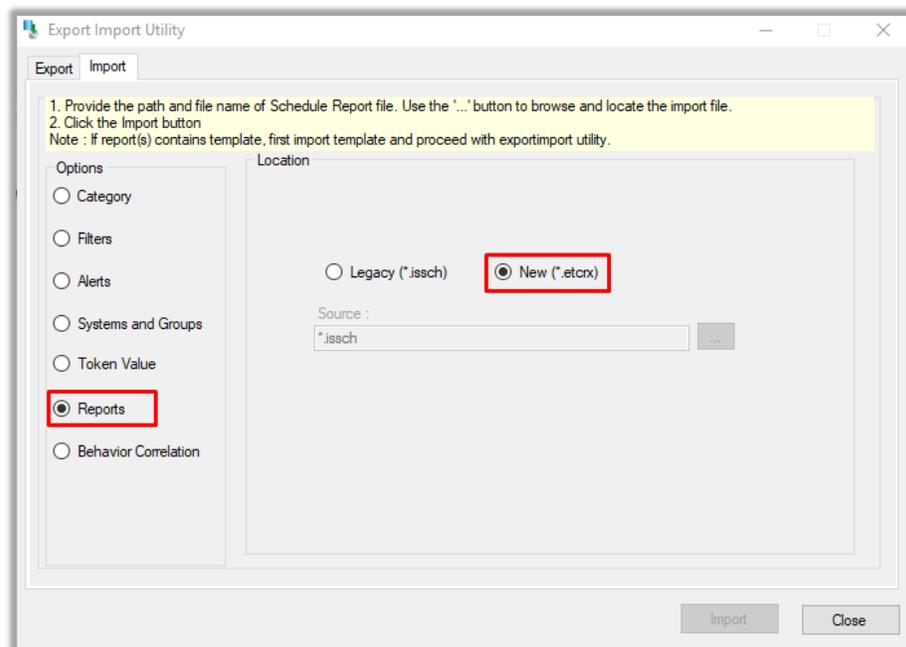


3. Click the **Browse** button and navigate to the knowledge packs folder (type **C:\Program Files (x86)\Prism Microsystems\EventTracker\Knowledge Packs** in the navigation bar) where **“.ettd”**, e.g., **“Templates\_Ntopng.ettd”** file is located. Wait for a few seconds, as templates will be loaded. Once you see the templates, click desired templates, and click **Import** button:

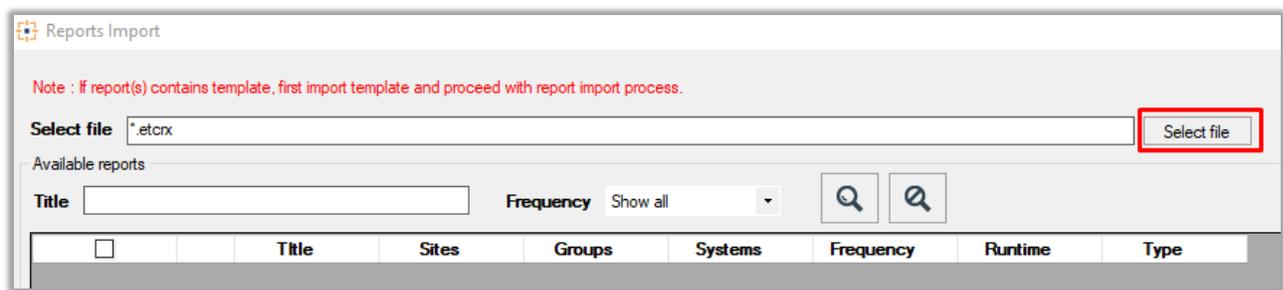


## 5.4 Flex Reports

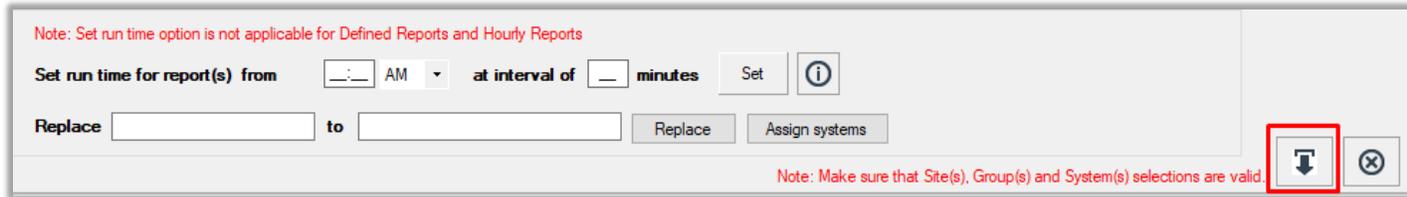
1. In **Export-Import Utility** window, select the **Import** tab. Click the **Reports** option, and choose **New (\*.etcrx)**.



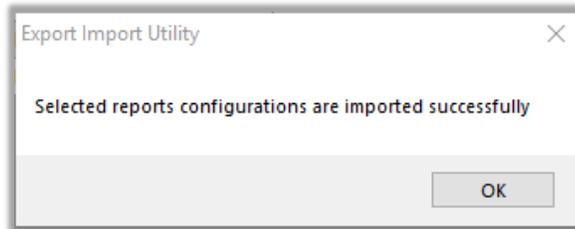
2. A new pop-up window appears. Click the **Select File** button and navigate to the knowledge pack folder and select file with the extension **“.etcrx”**, e.g., **“Reports\_Ntopng.etcrx”**.



3. Wait while reports populate. Select all the relevant reports and click **Import**

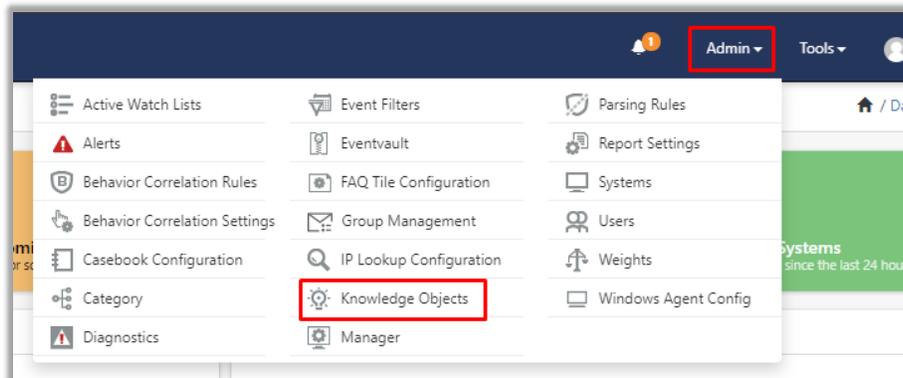


EventTracker displays a success message.

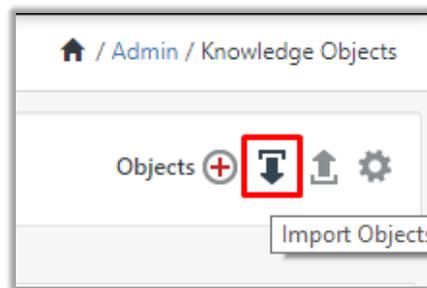


## 5.5 Knowledge Objects

1. Click **Knowledge objects** under the **Admin** option in the EventTracker web interface.



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

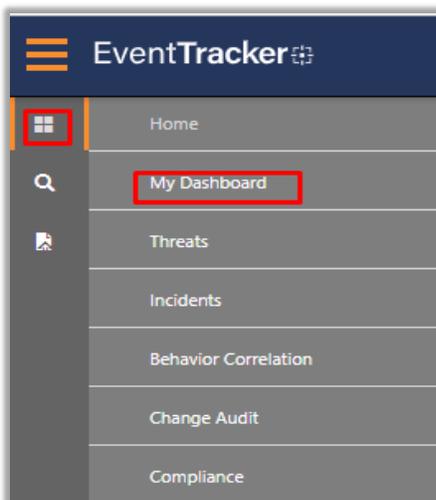


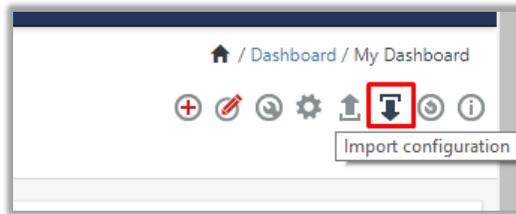
3. A pop-up box appears, click **Browse** and navigate to the knowledge packs folder (type “**C:\Program Files (x86)\Prism Microsystems\EventTracker\Knowledge Packs**” in the navigation bar) with the extension “.etko”, e.g., “**KO\_Ntopng.etko**” and click **Upload**.

4. Wait while EventTracker populates all the relevant knowledge objects. Once the objects are displayed, select the required ones, and click **Import**.

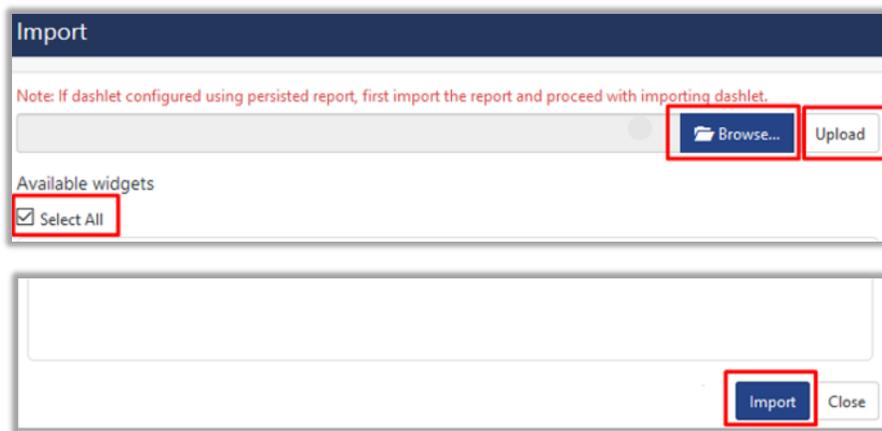
## 5.6 Dashboards

1. Login to the **EventTracker web interface**.
2. Navigate to **Dashboard → My Dashboard**.
3. In **My Dashboard**, Click the **Import** button.





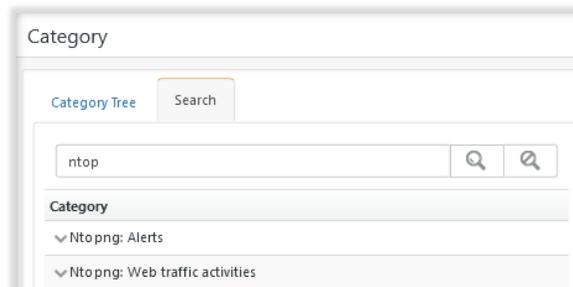
4. Click **Browse** and navigate to the knowledge pack folder (type “C:\Program Files (x86)\Prism Microsystems\EventTracker\Knowledge Packs” in the navigation bar) where “.etwd”, e.g., “Dashboard\_Ntopng.etwd” is saved and click **Upload**.
5. Wait while EventTracker populates all the available dashboards. Enable **Select All** and click **Import**.



## 6. Verifying Knowledge Pack in EventTracker

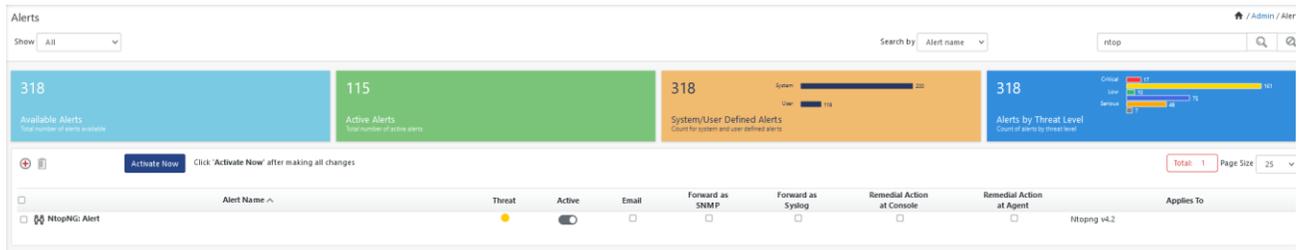
### 6.1 Categories

1. Login to the **EventTracker web interface**.
2. Click **Admin** dropdown and click **Categories**.
3. In **Category Tree** to view imported categories, click the **Search** tab and enter **ntopng** in the search.



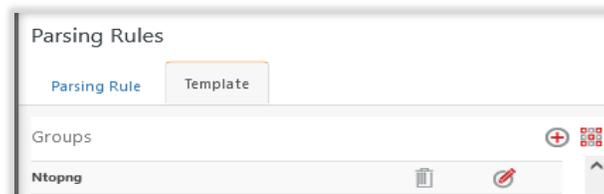
## 6.2 Alerts

1. In the **EventTracker** web interface, click the **Admin** dropdown, and then click **Alerts**.
2. In search box enter **ntopng** and click **Search**.  
EventTracker displays an alert related to Ntopng.



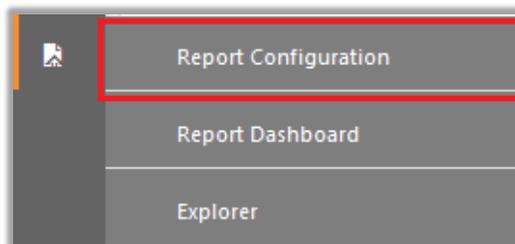
## 6.3 Token Template

1. In the EventTracker web interface, click the Admin dropdown, and then click **Parsing Rules**.
2. In the **Template** tab, click on the **ntopng** group folder to view the imported Token.

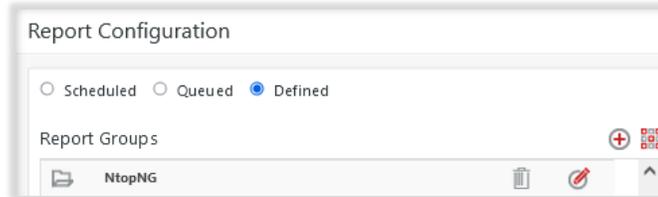


## 6.4 Flex Reports

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

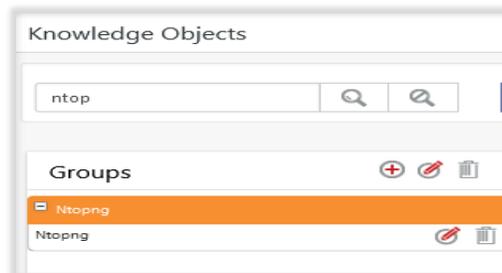


2. In the **Reports Configuration** pane, select the **Defined** option.
3. Click on the **ntopng** group folder to view the imported reports.



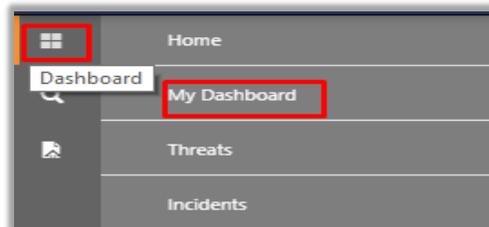
## 6.5 Knowledge Objects

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

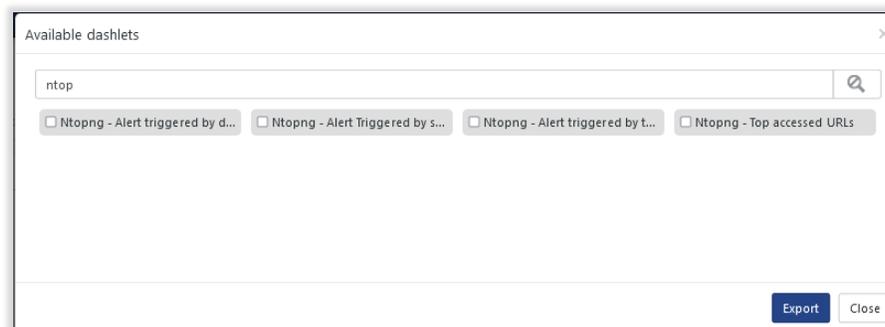


## 6.6 Dashboards

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



2. In the **ntopng** dashboard you see the following screen.



## 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 [EventTracker](#) cyber threat protection platform provides SIEM, endpoint protection, vulnerability scanning, intrusion detection and more; all delivered as a managed or co-managed service.

Netsurion's [BranchSDO](#) delivers purpose-built technology with optional levels of managed services to multi-location 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 [netsurion.com](https://www.netsurion.com) or follow us on [Twitter](#) or [LinkedIn](#). Netsurion is #19 among [MSSP Alert's 2020 Top 250 MSSPs](#).

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