

Integrate Brocade Switch

EventTracker V9.x or above

Abstract

This guide provides instructions to configure Brocade Switch to send the syslog to EventTracker Enterprise. Once the syslog is being configured to send to EventTracker manager, alerts and reports can be configured into EventTracker.

Scope

The configurations detailed in this guide are consistent with EventTracker Enterprise version 9.x and later, Brocade Switch.

Audience

Administrators who are responsible for monitoring Brocade Switch which is running using EventTracker manager.

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Brocade Switch

Brocade Switches provides a range of fixed form-factor enterprise-class switches to deliver innovative access, aggregation, and core network solutions. It provides open flow support in hybrid port mode, enabling a gradual transition to Software-Defined Networking (SDN) without disruption.

Prerequisites

- **EventTracker v9.x** should be installed.
- A **Brocade Switch** running with network access.

Configuring Brocade Switches to send a syslog to EventTracker Manager.

Enable the Syslog Service

To collect events, you must configure a syslog on your Brocade appliance to forward events to the EventTracker manager.

1. **Log in** to your appliance as an **admin user**.
2. To configure an address to forward syslog events, type the following **command**:
`syslogdipadd <IP address>`
Where *<IP address>* is the IP address of the **EventTracker manager**.
3. To verify the address, type the following **command**: `syslogdipshow`.

```
switch:admin> syslogdipadd 10.1.2.1
switch:admin> syslogdipshow
syslog.IP.address.1 10.1.2.1
```

Figure 1

Brocade Switch Knowledge Pack:

Alerts

- **Brocade Switch: Port down**- This EventTracker alert triggers whenever the port is down.

Flex Reports

- **Brocade Switch - Port activities-** This report provides information related to port activities, port numbers, port status (Port down, on-line, off-line, blocked, up, etc.)

LogTime	Computer	Port No.	Status
05/21/2019 01:19:02 PM	BBROCADE	1/1/136	on-line
05/21/2019 01:19:02 PM	BBROCADE	8	Down
05/21/2019 01:19:02 PM	BBROCADE	39	Down
05/21/2019 01:19:02 PM	BBROCADE	39	on-line
05/21/2019 01:19:02 PM	BBROCADE	39	up
05/21/2019 01:19:03 PM	BBROCADE	39	up
05/21/2019 01:19:03 PM	BBROCADE	8	Blocked
05/21/2019 01:19:03 PM	BBROCADE	39	Blocked
05/21/2019 01:19:03 PM	BBROCADE	1/1/136	Down
05/21/2019 01:19:03 PM	BBROCADE	8	on-line
05/21/2019 01:19:03 PM	BBROCADE	3	on-line
05/21/2019 01:19:03 PM	BBROCADE	8	Down
05/21/2019 01:19:03 PM	BBROCADE	1/1/136	Blocked

Figure 2

Sample Log:

```
Feb 27 10:27:09 10.22.55.87 Jan 3 18:03:45 10.22.55.87 00076 ports: port 8 is now on-line
Feb 27 10:27:07 10.22.55.87 Jan 3 18:03:43 10.22.55.87 00435 ports: port 8 is Blocked by STP
Feb 27 10:27:04 10.22.55.87 Jan 3 18:03:40 10.22.55.87 00077 ports: port 8 is now off-line
```

- **Brocade Switch - STP activities-** This report provides information related to STP status (Learning, forwarding, disabled, listening) and reasons.

LogTime	Computer	Vlan ID	Interface	Status	Reason
05/21/2019 01:19:02 PM	BBROCADE	1	1/1/36	LEARNING	FwdDlyExpiry
05/21/2019 01:19:02 PM	BBROCADE	1	1/1/36	DISABLED	PortDown
05/21/2019 01:19:02 PM	BBROCADE	1	1/1/36	FORWARDING	FwdDlyExpiry
05/21/2019 01:19:02 PM	BBROCADE	1	1/1/36	LISTENING	MakeFwding
05/21/2019 01:19:02 PM	BBROCADE	1	1/1/36	FORWARDING	PortDown
05/21/2019 01:19:03 PM	BBROCADE	1	1/1/36	DISABLED	PortDown
05/21/2019 01:19:03 PM	BBROCADE	1	1/1/36	FORWARDING	PortDown
05/21/2019 01:19:03 PM	BBROCADE	1	1/1/36	DISABLED	PortDown
05/21/2019 01:19:03 PM	BBROCADE	1	1/1/36	LISTENING	MakeFwding
05/21/2019 01:19:03 PM	BBROCADE	1	1/1/36	LEARNING	FwdDlyExpiry
05/21/2019 01:19:03 PM	BBROCADE	1	1/1/36	DISABLED	PortDown
05/21/2019 01:19:03 PM	BBROCADE	1	1/1/36	LISTENING	MakeFwding
05/21/2019 01:19:03 PM	BBROCADE	1	1/1/36	FORWARDING	FwdDlyExpiry
05/21/2019 01:19:03 PM	BBROCADE	1	1/1/36	FORWARDING	FwdDlyExpiry
05/21/2019 01:19:03 PM	BBROCADE	1	1/1/36	FORWARDING	FwdDlyExpiry
05/21/2019 01:19:03 PM	BBROCADE	1	1/1/36	FORWARDING	PortDown
05/21/2019 01:19:03 PM	BBROCADE	1	1/1/36	LISTENING	MakeFwding
05/21/2019 01:19:03 PM	BBROCADE	1	1/1/36	LEARNING	FwdDlyExpiry
05/21/2019 01:19:03 PM	BBROCADE	1	1/1/36	FORWARDING	FwdDlyExpiry

Figure 3

Sample Log:

```
Feb 27 10:26:30 10.22.55.87 Feb 22 05:02:43 ServerRoom1 STP: VLAN 1 Port 1/1/36 STP State -> FORWARDING
(PortDown)
```

Importing Brocade Switch knowledge pack into EventTracker

Find the specified knowledge pack in the following sequences-

- Alerts
- Template(s)
- Flex Reports
- Knowledge Objects

Alerts

1. Launch the EventTracker Control Panel.
2. Double click Export-Import Utility.

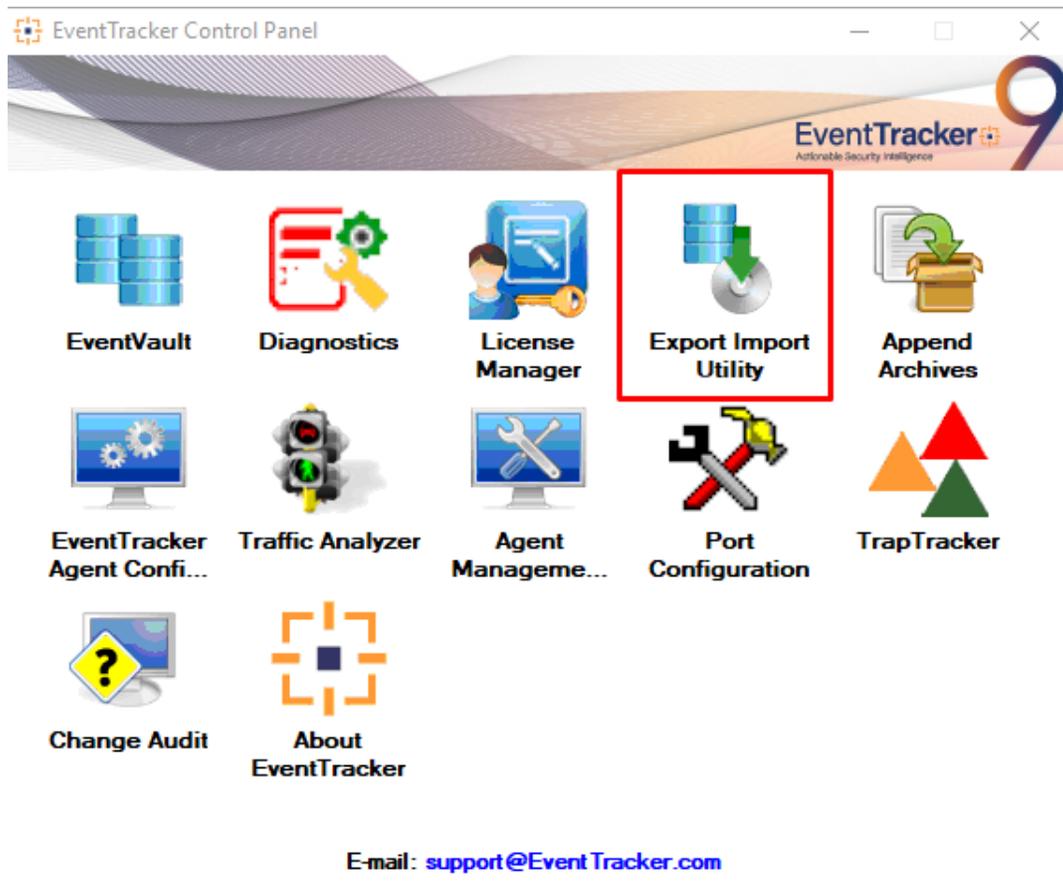


Figure 4

3. Click the **Import** tab.
4. Select the **Alert** option.
5. Click on **Browse** button and select the **file path**.
6. Click on **Import**.

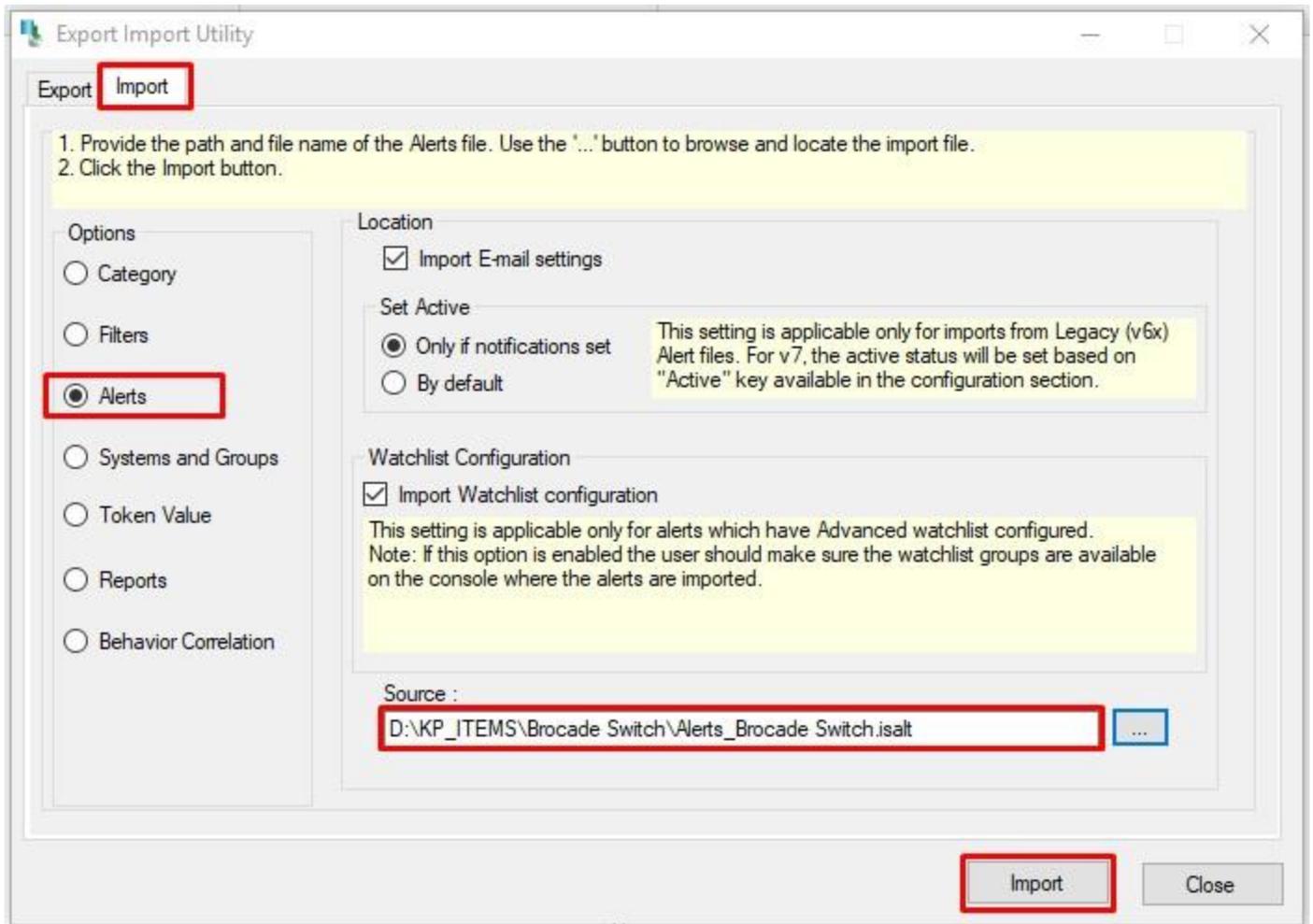


Figure 5

7. Alerts are now imported successfully.

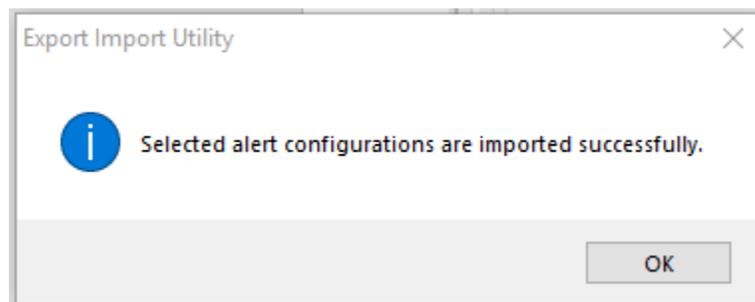


Figure 6

Template(s)

1. Login to EventTracker console.
2. Click on the **Admin** option in the **EventTracker manager page** and select **Parsing Rules**.

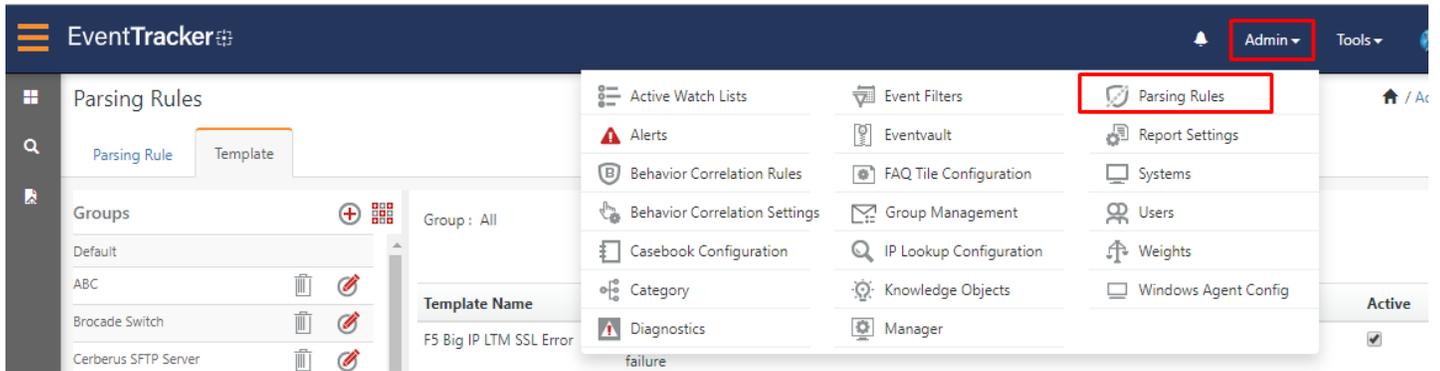


Figure 7

3. Select Template and click on the **import** icon.

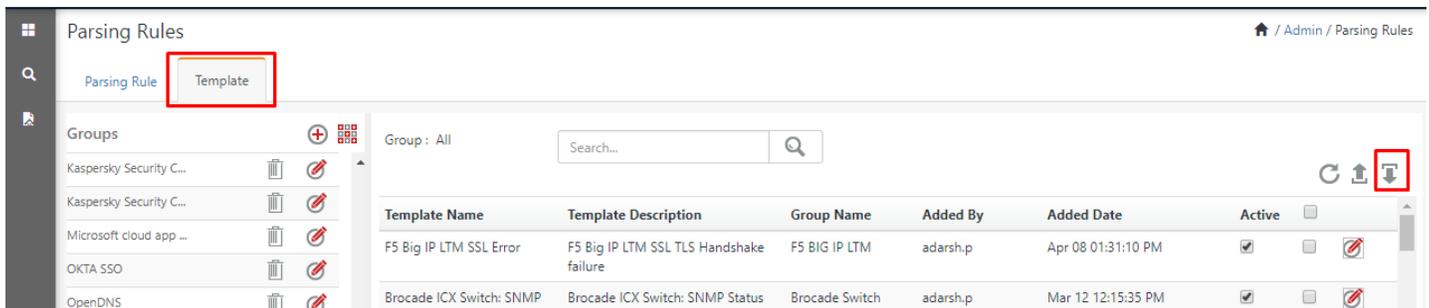


Figure 8

4. Browse Brocade Switch Template files.

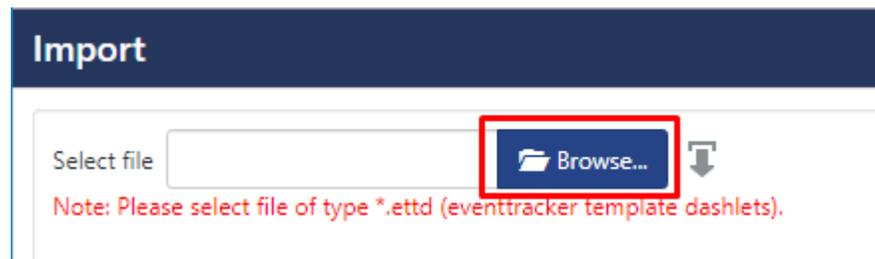


Figure 9

5. Select all **Brocade Switch** template names.
6. Click on the import button.

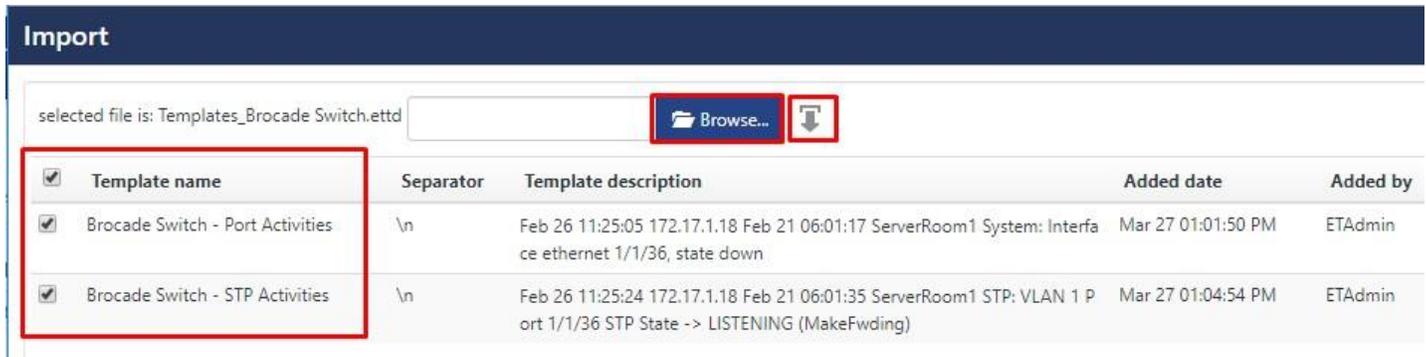


Figure 10

7. Template(s) imported successfully.

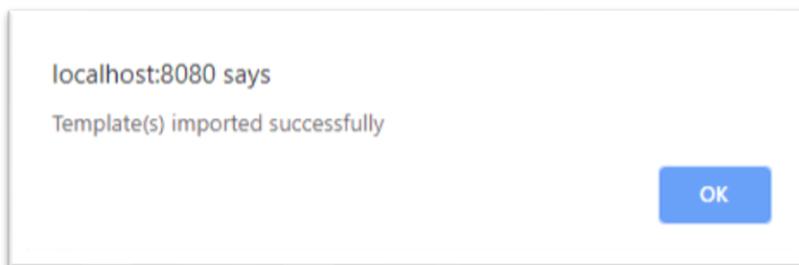


Figure 11

Flex Reports

On EventTracker **Control Panel**,

1. Click **Reports** option and select **new(.etcrx)** from the option.

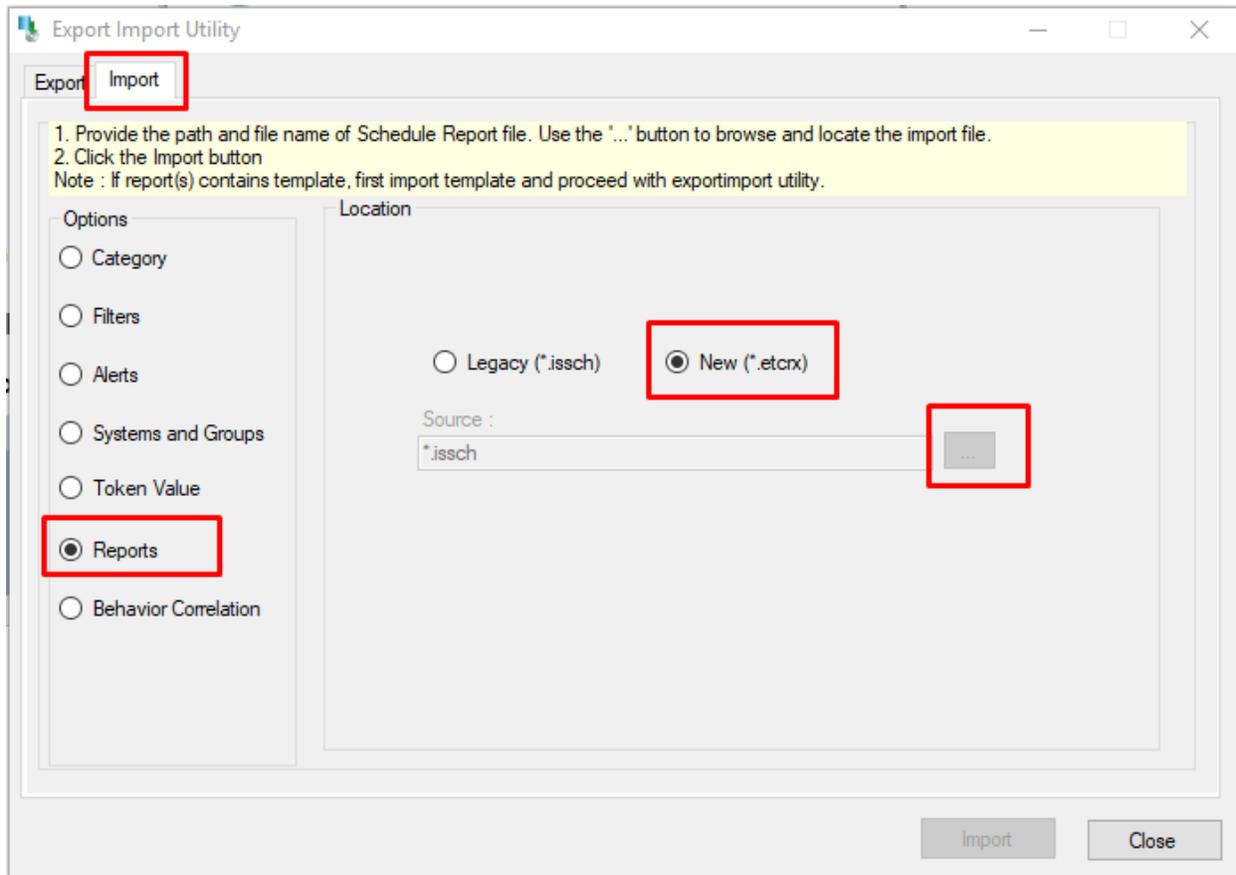


Figure 12

2. Locate the file named **Reports_Brocade Switch.etcrx** and select all the checkbox.

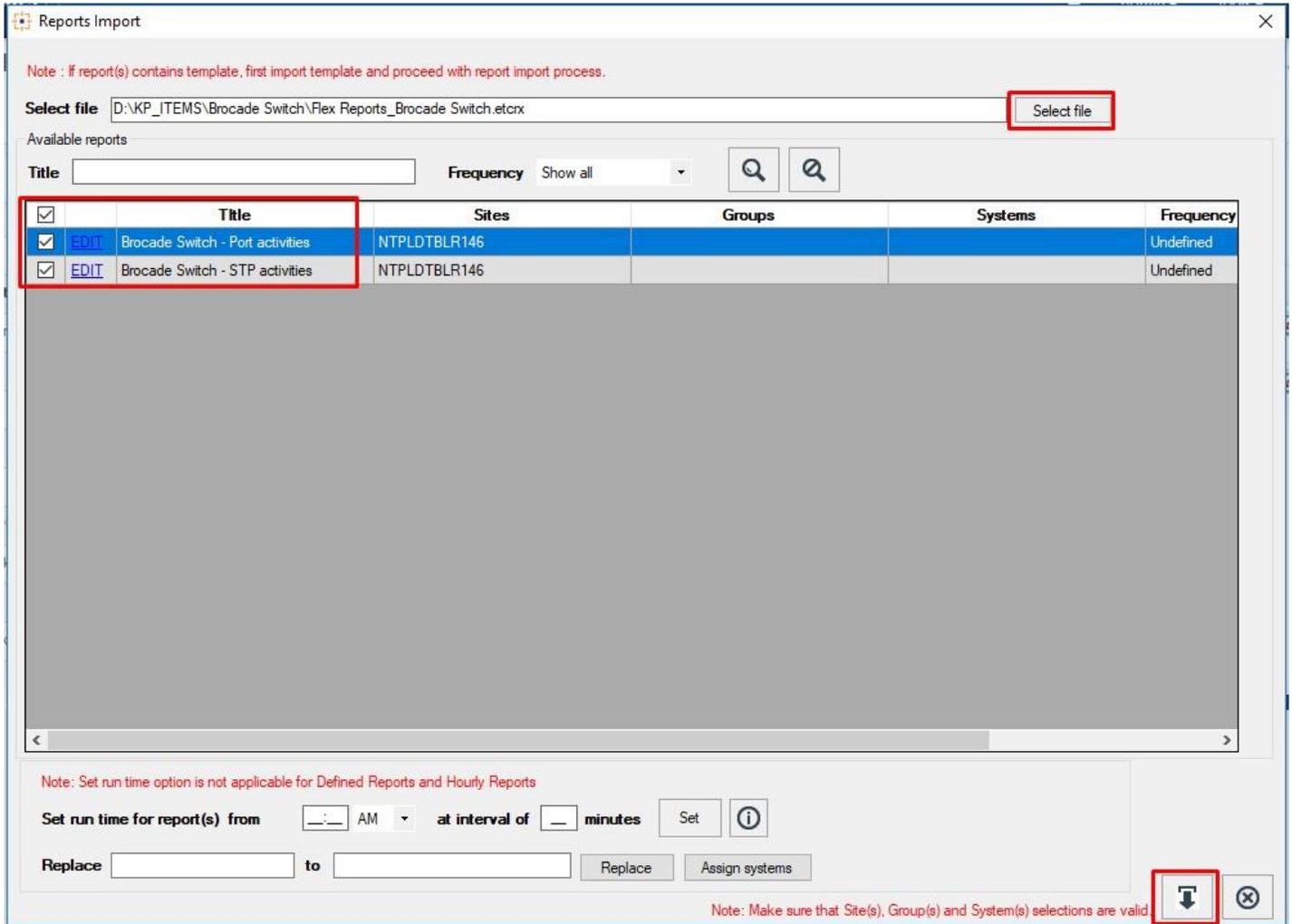


Figure 13

- Click the Import button to import the reports. EventTracker displays a success message.

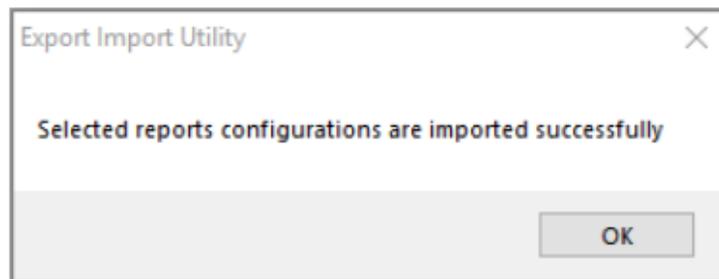


Figure 14

Knowledge Objects

1. Login to EventTracker console.
2. Click on **Knowledge objects** under the Admin option in the **EventTracker manager page**.

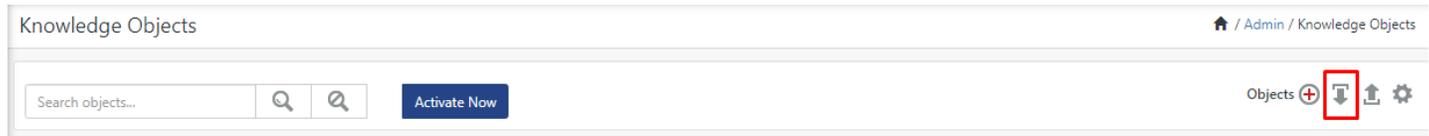


Figure 15

3. Locate the file named **KO_Brocade Switch.etko**

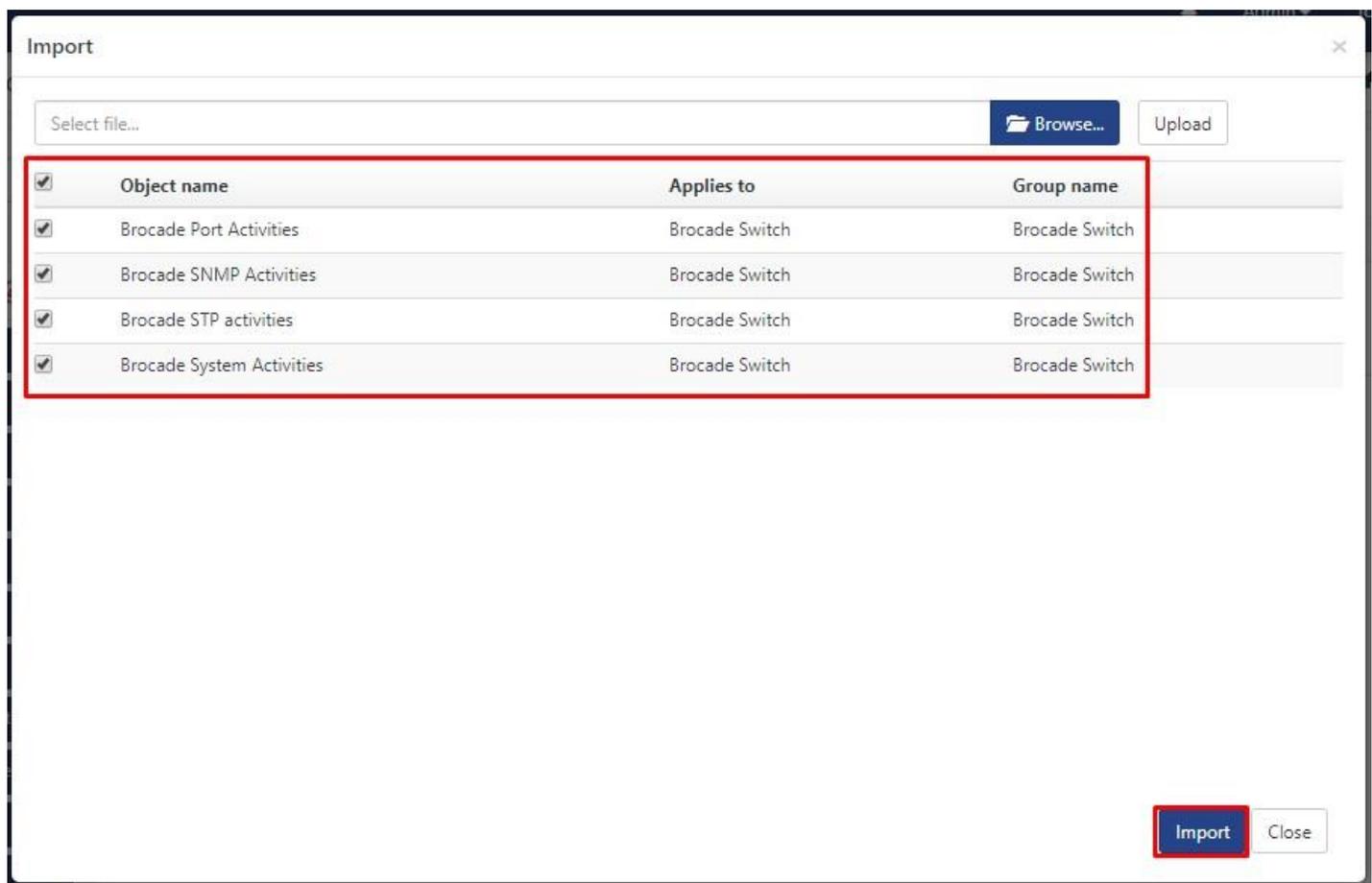


Figure 16

4. Now select all the checkbox and then click on the '**Upload**' option.
5. Knowledge objects are now imported successfully.

Template(s)

1. In the **EventTracker Enterprise** web interface, click the **Admin** drop-down, and then click **Parsing Rules**.

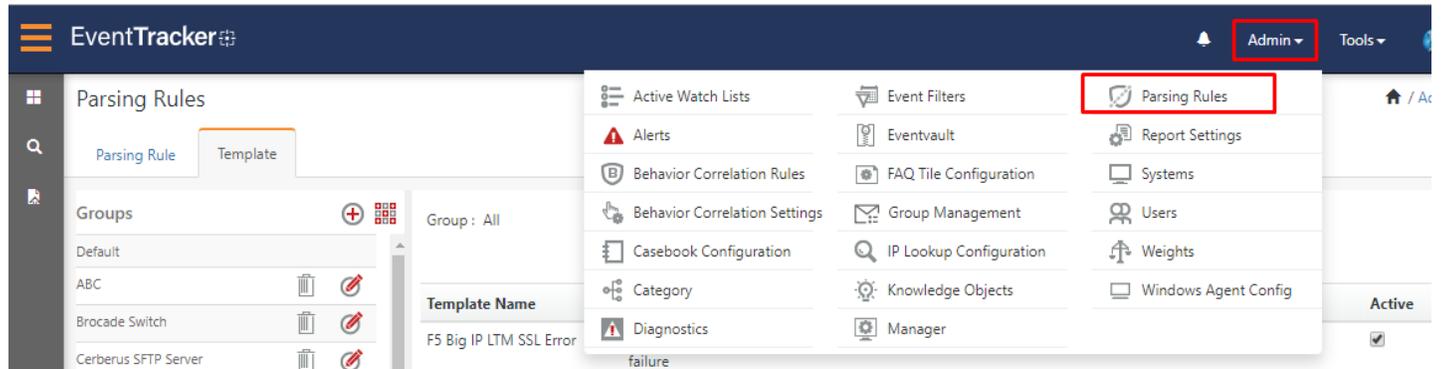


Figure 19

2. Select **Template** and find the **Brocade Switch** Group.
3. Click on **Brocade Switch** Group to see the **All Template(s)**.

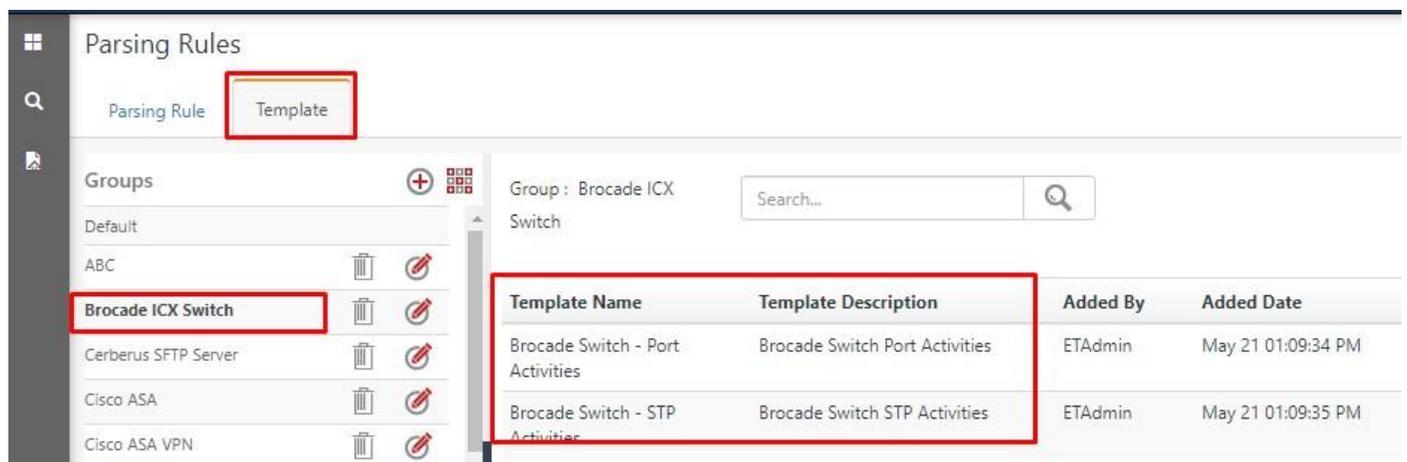


Figure 20

Flex Reports

In the **EventTracker Enterprise** web interface

1. Click the **Reports** icon, and then select the **Report Configuration**.

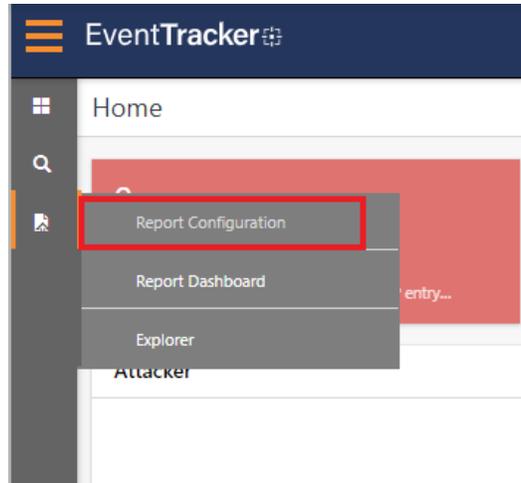


Figure 21

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

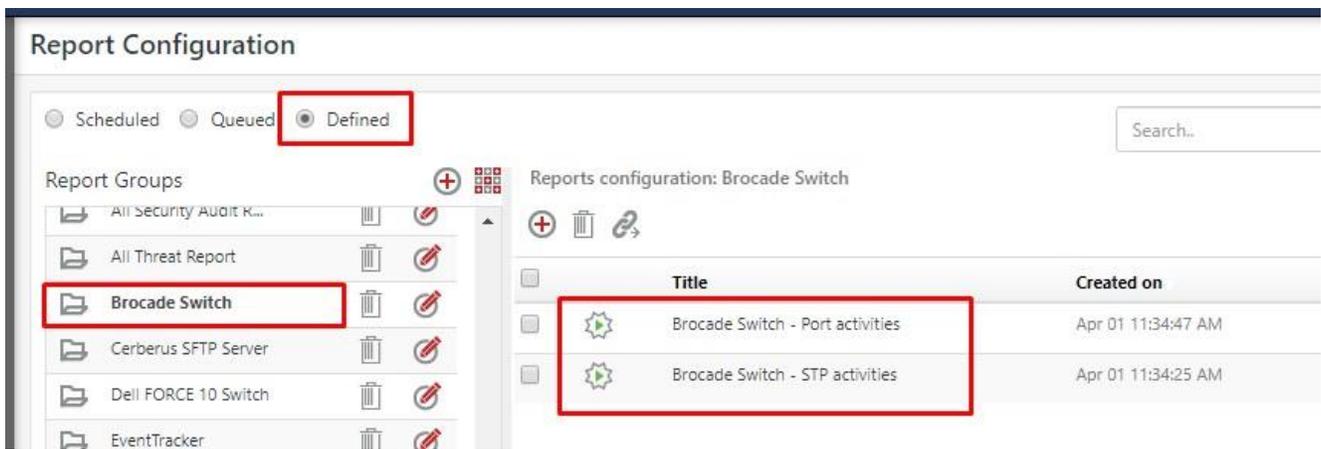


Figure 22

Alerts

1. In the **EventTracker Enterprise** web interface, click the **Admin** icon, and then select **Alerts**.

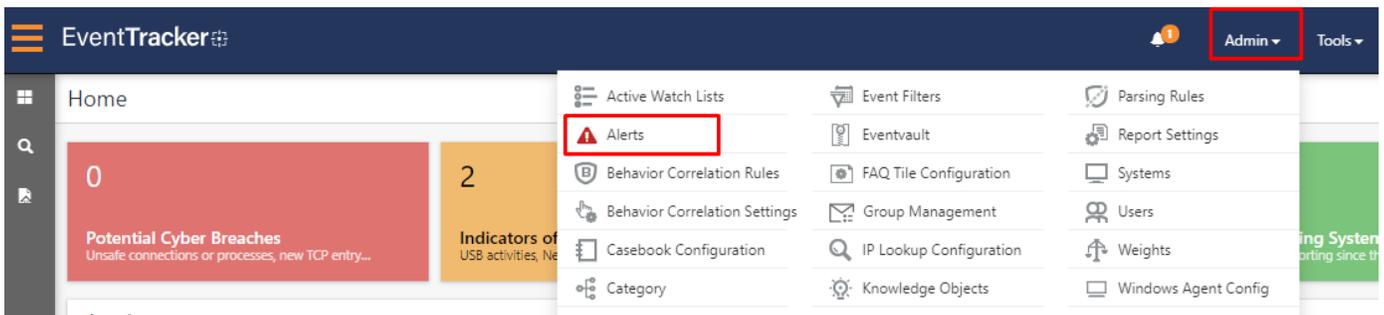


Figure 23

2. In the Alert search bar, we can search the alert name and view the imported **Brocade Switch**.

The screenshot displays the Alerts management interface. At the top, the 'Alerts' tab is selected. Below it, a 'Show' dropdown menu is set to 'All'. Two summary cards are visible: 'Available Alerts' (184) and 'Active Alerts' (26). Below these cards, there are icons for adding (+) and deleting (trash) alerts, an 'Activate Now' button, and a note: 'Click 'Activate Now' after making all changes'. A table of alerts is shown below, with the first row highlighted in red. The table has columns for 'Alert Name', 'Threat', 'Active', and 'E-mail'. The highlighted row shows an alert named 'Brocade Switch: Port down' with a yellow threat indicator, an active toggle switch, and an email icon.

<input checked="" type="checkbox"/>	Alert Name ^	Threat	Active	E-mail
<input checked="" type="checkbox"/>	Brocade Switch: Port down	●	<input type="checkbox"/>	

Figure 24