

Integrate Cisco 3750 Switch

EventTracker v7.x

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EventTracker
8815 Centre Park Drive
Columbia MD 21045
www.eventtracker.com

Abstract

The Cisco Catalyst 3750 Series Switches are innovative switches that improve LAN operating efficiency by combining industry-leading ease of use and high resiliency for stackable switches.

This guide provides instructions to configure Cisco 3750 switch to send the syslog to EventTracker Enterprise. Once syslog is been 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 7.X and later, and **Cisco IOS Release 12.1(11)AX and later**.

Audience

Cisco 3750 Switch users, who wish to forward syslog events to EventTracker Manager and monitor events using Event Tracker Enterprise.

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Cisco 3750 Switch

The Cisco Catalyst 3750 Series Switches are innovative switches that improve LAN operating efficiency by combining industry-leading ease of use and high resiliency for stackable switches. This product series features Cisco StackWise technology, a 32-Gbps stack interconnect that allows customers to build a unified, highly resilient switching system, one switch at a time.

In addition, the Cisco Catalyst 3750 Series is optimized for high-density Gigabit Ethernet deployments and includes a diverse range of switches that meet access, aggregation, or small-network backbone-connectivity requirements.

Prerequisites

- EventTracker v7.x should be installed.
- Cisco IOS Release 12.1(11)AX and later should be installed.

Configure Cisco 3750 Switch to send syslog to EventTracker

1. Enter the command **Switch>(enable) set logging timestamp {enable | disable}**. Configures the system to timestamp messages.
2. Enter the command **Switch>(enable) set logging server *ip-address***. Specifies the IP address of the syslog server; a maximum of three servers can be specified.
3. Enter the command **Switch>(enable) set logging server severity *server_severity_level***. Limits messages that are logged to the syslog servers by severity level.
4. Enter the command **Switch>(enable) set logging server facility *server_facility_parameter***. Specifies the facility level that would be used in the message. The default is **local7**.
 - ❖ System
 - ❖ Dynamic-Trunking-Protocol
 - ❖ Port-Aggregation-Protocol

- ❖ Management
 - ❖ Multilayer Switching
 - ❖ CDP
 - ❖ UDLD
 - ❖ Other facilities
5. Enter the command **Switch>(enable) set logging server enable**. Enables the switch to send syslog messages to the syslog servers.
 6. Enter the command **Switch>(enable) Show logging**.

Import Cisco 3750 Switch knowledge pack in EventTracker

1. Launch **EventTracker Control Panel**.
2. Double click **ExportImport Utility**, and then click the **Import** tab.

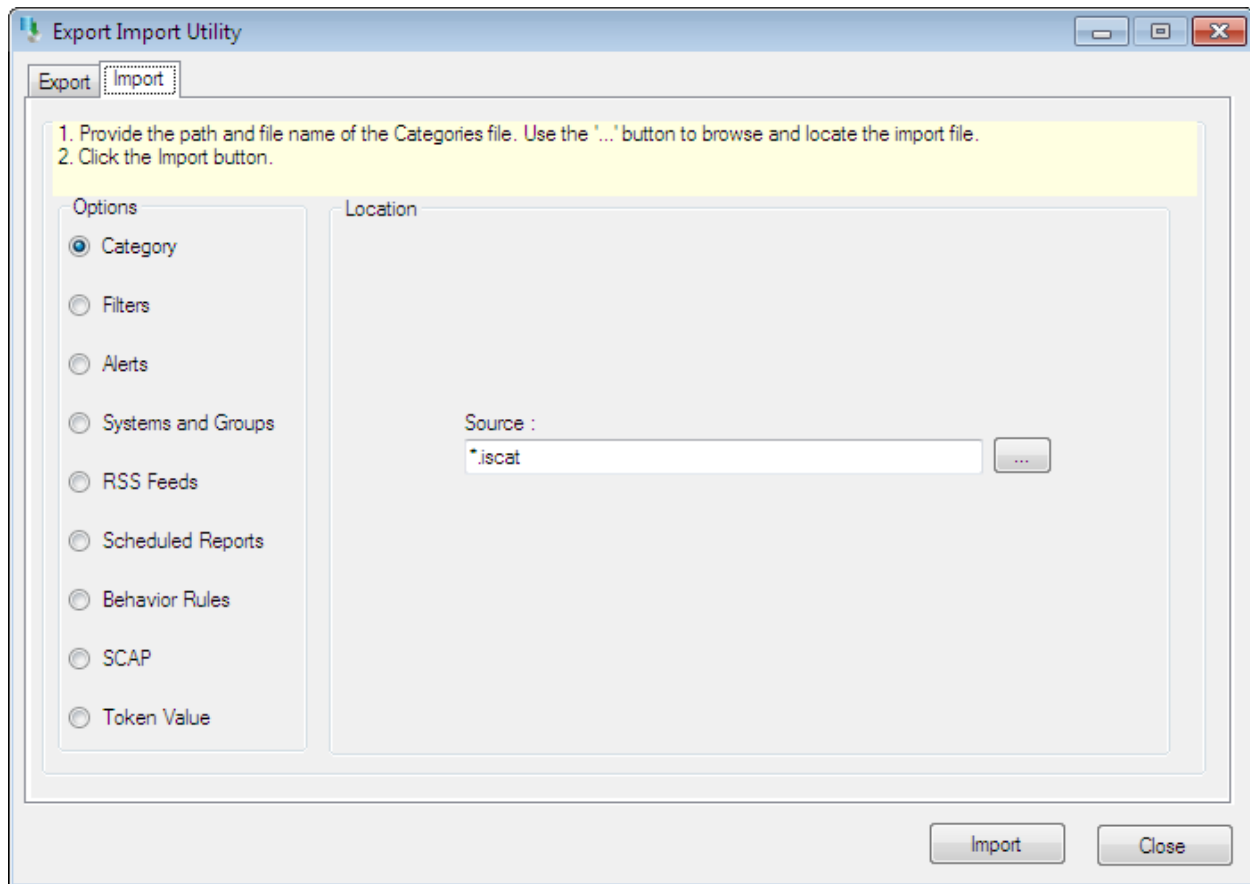


Figure 1

Import **Category/Alert** as given below.

Import Category

1. Click **Category** option, and then click the **browse**  button.

2. Locate **Cisco 3750 Switch.iscat** file, and then click the **Open** button.
3. To import categories, click the **Import** button.

EventTracker displays success message.

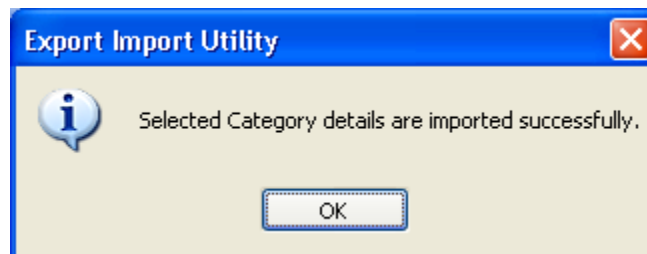



Figure 2

4. Click **OK**, and then click the **Close** button.

Import Alerts

1. Click **Alert** option, and then click the **browse**  button.
2. Locate **Cisco 3750 Switch.isalt** file, and then click the **Open** button.
3. To import alerts, click the **Import** button.

EventTracker displays success message.

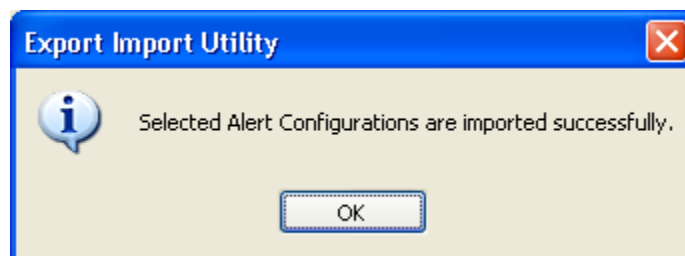


Figure 3

4. Click the **OK** button, and then click the **Close** button.

Verify Cisco 3750 Switch knowledge pack in EventTracker

Verify categories

1. Logon to **EventTracker Enterprise**.
2. Click the **Admin** menu, and then click **Categories**.
3. To view imported categories, in **Category Tree**, expand **Cisco 3750 Switch** group folder.

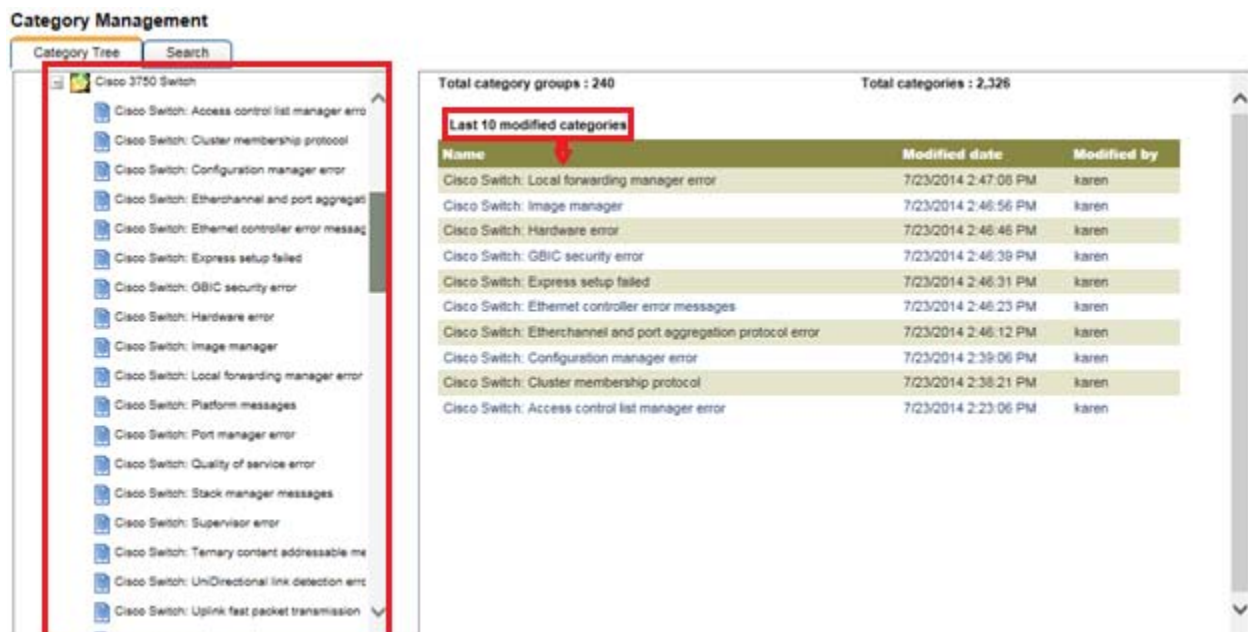


Figure 4

Verify alerts

1. Logon to **EventTracker Enterprise**.
2. Click the **Admin** menu, and then click **Alerts**.
3. In **Search** box, type '**Cisco 3750 Switch**', and then click the **Go** button.

Alert Management page will display all the imported alerts.

Alert Management Search: Cisco Switch Go Show All Page Size: 25

Alert Name	Threat level	Active	Beep	E-mail	Message	RSS	Forward as SNMP	Forward as syslog	Remedial Action at Console	Remedial Action at Agent
<input type="checkbox"/> Cisco Switch: Ethernet controller error messages	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Cisco Switch: Express Setup Failed	Medium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Cisco Switch: GBIC security error	Medium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Cisco Switch: Hardware error	Serious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Cisco Switch: Port manager error	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Cisco Switch: Supervisor error	Medium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Cisco Switch: Ternary Content Addressable Memory error	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Cisco Switch: UniDirectional Link Detection error	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Cisco Switch: User login failed	Serious	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

***Click 'Activate Now' after making all changes

Activate Now Add alert Delete

Figure 5

- To activate the imported alerts, select the respective checkbox in the **Active** column. EventTracker displays message box.

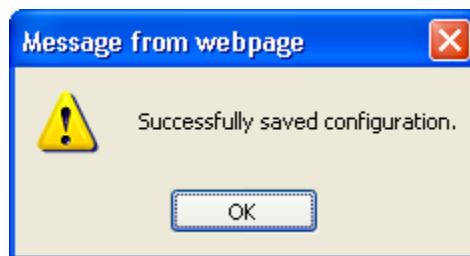


Figure 6

- Click **OK**, and then click the **Activate Now** button.

Categories and Reports

- ❖ **Cisco Switch Access control list manager error:** This category based report provides information related to access control list manager error.
- ❖ **Cisco Switch Cluster membership protocol:** This category based report provides information related to cluster membership protocol.
- ❖ **Cisco Switch Configuration manager error:** This category based report provides information related to configuration manager error.
- ❖ **Cisco Switch Etherchannel and port aggregation protocol error:** This category based report provides information related to ether channel and port aggregation protocol error.
- ❖ **Cisco Switch Ethernet controller error messages:** This category based report provides information related to Ethernet controller error messages.
- ❖ **Cisco Switch Express setup failed:** This category based report provides information related to express setup failed.
- ❖ **Cisco Switch GBIC security error:** This category based report provides information related to GBIC security error.
- ❖ **Cisco Switch Hardware error:** This category based report provides information related to hardware error.
- ❖ **Cisco Switch Image manager:** This category based report provides information related to image manager.
- ❖ **Cisco Switch Local forwarding manager error:** This category based report provides information related to local forwarding manager error.
- ❖ **Cisco Switch Platform messages:** This category based report provides information related to platform messages.
- ❖ **Cisco Switch Port manager error:** This category based report provides information related to port manager error.
- ❖ **Cisco Switch Quality of service error:** This category based report provides information related to quality of service error.
- ❖ **Cisco Switch Stack manager messages:** This category based report provides information related to stack manager messages.
- ❖ **Cisco Switch Supervisor error:** This category based report provides information related to supervisor error.

- ❖ **Cisco Switch Ternary content addressable memory error:** This category based report provides information related to ternary content addressable memory error.
- ❖ **Cisco Switch UniDirectional link detection error:** This category based report provides information related to UniDirectional link detection error.
- ❖ **Cisco Switch Uplink fast packet transmission:** This category based report provides information related to uplink fast packet transmission.
- ❖ **Cisco Switch User login failed:** This category based report provides information related to user login failed.
- ❖ **Cisco Switch VLAN messages:** This category based report provides information related to VLAN messages.
- ❖ **Cisco Switch VLAN query protocol:** This category based report provides information related to VLAN query protocol.

Alerts

- ❖ **Cisco Switch Ethernet controller error messages:** This alert is generated when Ethernet controller error event occurs.
- ❖ **Cisco Switch Express setup failed:** This alert is generated when express setup failed event occurs.
- ❖ **Cisco Switch GBIC security error:** This alert is generated when GBIC security error event occurs.
- ❖ **Cisco Switch Hardware error:** This alert is generated when hardware error event occurs.
- ❖ **Cisco Switch Port manager error:** This alert is generated when port manager error event occurs.
- ❖ **Cisco Switch Supervisor error:** This alert is generated when supervisor error event occurs.
- ❖ **Cisco Switch Ternary content addressable memory error:** This alert is generated when ternary content addressable memory error event occurs.
- ❖ **Cisco Switch UniDirectional link detection error:** This alert is generated when UniDirectional link detection error event occurs.
- ❖ **Cisco Switch User login failed:** This alert is generated when user login failed event occurs.