

Scheduled Event Suppression

PY3

April 1, 2025

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1 Overview

The objective of this Powerpack is to enable the ability to schedule suppression of specific events policies for a scheduled period of time.

e.g. At 2am CPU usage is exceptionally high due to backups this can safely be ignored for 1 hour

2 PowerPack Contents

Contents of the powerpack:

- Action Types:
 - Bulk Enable Event Suppression (PY3)
 - Bulk Disable Event Suppression (PY3)
- Run Book Actions:
 - Scheduled Enable Event Suppression Example (PY3)
 - Scheduled Disable Event Suppression Example (PY3)
- Run Book Automations
 - Scheduled Enable Suppression
 - Scheduled Disable Suppression

Above 2 Run Book Actions & Automations are examples for user reference.

3 Usage: Enable Event Suppressions

Purpose

Creates or updates suppression records for specified event policies on a target device. When an event is suppressed, the system will not generate alerts for that event type on the specified device until suppression is disabled.

Within the Run Book Action the input parameters are a comma separated list of Event Policy ID's that you wish to suppress this should be in the following format

Example Usage

```
{"events": "[4915, 4916, 4917, 4918, 4919]"}
```

The screenshot shows the 'Action Editor' window for editing an action. The title bar reads 'Action Editor' and 'Policy Editor | Editing Action [675]'. The interface includes several fields and dropdown menus:

- Action Name:** 'Scheduled Enable Event Suppression Example (PY3)'
- Action State:** '[Enabled]' (dropdown)
- Description:** (empty text field)
- Organization:** '[System]' (dropdown)
- Action Type:** 'Bulk Enable Event Suppression (PY3) (1.0)'
- Execution Environment:** '[Pure PY3 EE (python3.6)]' (dropdown)
- Action Run Context:** '[Database]' (dropdown)
- Input Parameters:**

```
{"events": "[4915, 4916, 4917, 4918, 4919]"}
```

Buttons for 'Save' and 'Save As' are located at the bottom of the editor.

4 Usage: Disable Event Suppressions

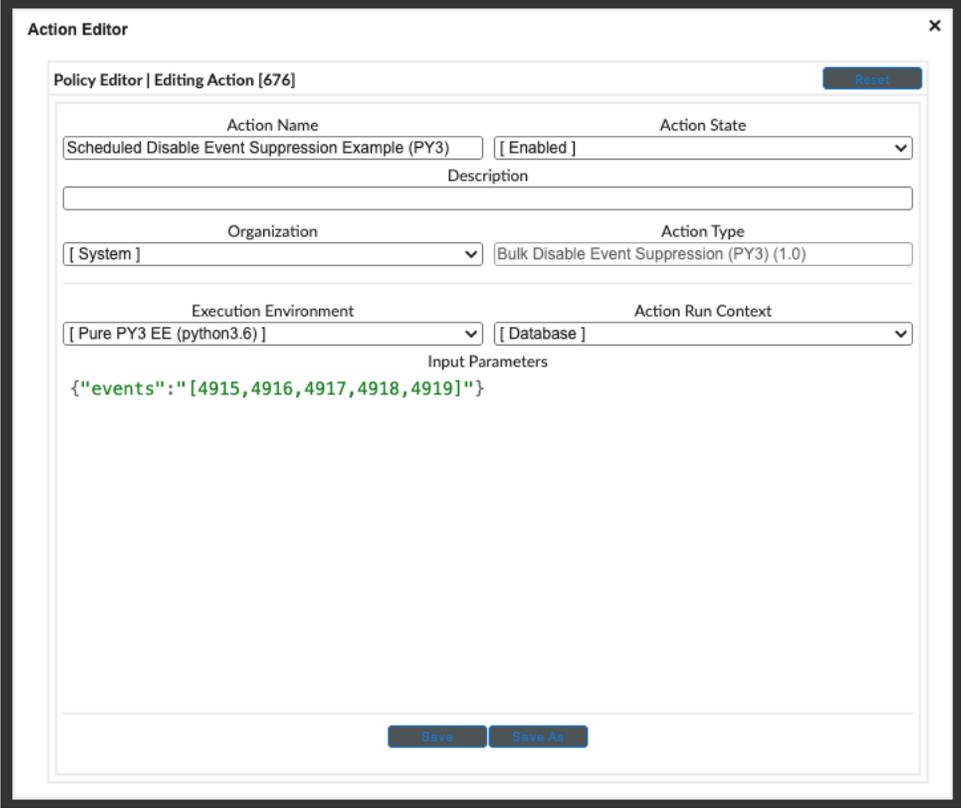
Purpose

Removes event suppression records for specified event policies on a target device. This re-enables alerting for those event types on the device.

Within the Run Book Action the input parameters are a comma separated list of Event Policy ID's that you wish to suppress this should be in the following format

Example Usage

```
{"events": "[4915, 4916, 4917, 4918,4919]"}
```



The screenshot shows the 'Action Editor' window with the following configuration:

- Policy Editor | Editing Action [676]** (with a **Reset** button)
- Action Name:** Scheduled Disable Event Suppression Example (PY3)
- Action State:** [Enabled]
- Description:** (empty text field)
- Organization:** [System]
- Action Type:** Bulk Disable Event Suppression (PY3) (1.0)
- Execution Environment:** [Pure PY3 EE (python3.6)]
- Action Run Context:** [Database]
- Input Parameters:** {"events": "[4915,4916,4917,4918,4919]"}
- Buttons:** Save, Save As

5 Usage: Schedule Event Suppressions

From the Run Book -> Run Book Schedules Click Create to open the Schedule Editor. Set the start time that you wish the Event suppression to start.

The screenshot shows the 'Schedule Editor | Editing Schedule [108]' interface. It is divided into two main sections: 'Basic Settings' and 'Time Settings'.
Basic Settings: The 'Schedule Name' field contains 'Event Schedule Enable Example'. Below it are three dropdown menus: 'Visibility' set to '[Organization]', 'Organization' set to '[System]', and 'Owner' set to 'THayward'.
Time Settings: The 'Start Time' is '2025-04-08 02:00' and the 'Time Zone' is '[Europe/Londr]'. The 'Recurrence' is set to 'By Interval' with an 'Interval' of '1' and unit 'Days'. The 'Recur Until' is 'No Limit' and the 'Last Recurrence' field is empty, showing the placeholder 'YYYY-MM-DD HH:MM:SS'. At the bottom are 'Save' and 'Save As' buttons.

Repeat this process to create a schedule for when the suppression must end

The screenshot shows the 'Schedule Editor | Schedule updated | Editing Schedule [108]' interface. It is divided into two main sections: 'Basic Settings' and 'Time Settings'.
Basic Settings: The 'Schedule Name' field contains 'Event Schedule Disable Example'. Below it are three dropdown menus: 'Visibility' set to '[Organization]', 'Organization' set to '[System]', and 'Owner' set to 'THayward'.
Time Settings: The 'Start Time' is '2025-04-08 03:00' and the 'Time Zone' is '[Europe/Londr]'. The 'Recurrence' is set to '[By Interval]' with an 'Interval' of '1' and unit '[Days]'. The 'Recur Until' is '[No Limit]' and the 'Last Recurrence' field is empty, showing the placeholder 'YYYY-MM-DD HH:MM:SS'. At the bottom are 'Save' and 'Save As' buttons.

6 Usage: Automate Event Suppressions

From the Run Book -> Run Book Automations Click Create to open the Automation Policy Editor.

Set the Policy Type to Scheduled and the Align with as Devices, (this version of the powerpack will only work with Devices and not Device Groups). Select the appropriate devices, schedule and Action

Policy Name	Policy Type	Policy State	Organization
Scheduled Enable Suppression	[Scheduled]	[Enabled]	[System]
Align With	[Devices]		

Available Devices

ACME EMEA

- Cisco Systems Viptela: vBond Orchestrator: vbond
- Cisco Systems Viptela: vEdge: dc-vedge01
- Cisco Systems Viptela: vEdge: site1-vedge01
- Cisco Systems Viptela: vEdge: site2-vedge01
- Cisco Systems Viptela: vEdge Cloud: site3-vedge01

Aligned Devices

Hayward HHQ

- Cisco Systems: CSR 1000V: andy.office.local
- QNAP: QNAP (NAS): QNAP-NAS

Available Schedules

Ben-scheduled

- Timico router: secondary link ip validation every 8 hours
- Server Reboot Schedule
- SLAS - Meraki Device Update
- SL1: Data Collection
- SL1: Collector Affinity Runbook Schedule

Aligned Schedules

Event Schedule Enable Example

Available Actions

- Send Email [0]: Business Service - Business - State Change email
- Send Email [0]: Business Service - Business - State Change email full
- Send Email [0]: Email Joerg on SL1 PoV Issues
- Send Email [0]: Email Mike on SL1 PoV Issues
- Send Email [0]: email Ops Team (Disabled)
- Send Email [0]: Email Trev on SL1 Issues

Aligned Actions

1. Bulk Enable Event Suppression (PY3) [136]: Scheduled Enable Eve

Save

Save As

Repeat this process to create the automation to disable the suppression

Automation Policy Editor | Editing Automation Policy [485] Reset

Policy Name: Policy Type: Policy State: Organization:

Align With:

Available Devices

- ACME EMEA
- Cisco Systems Viptela: vBond Orchestrator: vbond
- Cisco Systems Viptela: vEdge: dc-cedge01
- Cisco Systems Viptela: vEdge: site1-cedge01
- Cisco Systems Viptela: vEdge: site2-cedge01

Aligned Devices

- Hayward HHQ
- Cisco Systems: CSR 1000V: andy.office.local
- QNAP: QNAP (NAS): QNAP-NAS

Available Schedules

- Ben-scheduled
- Timico router: secondary link ip validation every 8 hours
- Server Reboot Schedule
- SLAS - Meraki Device Update
- SL1: Data Collection

Aligned Schedules

- Event Schedule Disable Example

Available Actions

- Send Email [0]: Business Service - Business - State Change email
- Send Email [0]: Business Service - Business - State Change email fu
- Send Email [0]: Email Joerg on SL1 PoV Issues
- Send Email [0]: Email Mike on SL1 PoV Issues
- Send Email [0]: email Ops Team (Disabled)

Aligned Actions

- 1. Bulk Disable Event Suppression (PY3) [137]: Scheduled Disa

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