

opEvents Programmable Button Actions

Available in opEvents-3.2.2 and opEvents-2.6.1

opEvents 4.3.7
Views

Modules
System
Help
EN
User: nmis

Home
Event List
Interface Down

Acknowledged
Add Comments
View Node in NMIS
More Events

Filter
2h

Event Context

Ping Node
Trace Route
Create Ticket
Polling Summary

Event Context

Time
2024-01-17T01:52:03

Trigger for Events

Related Events
1

Event
Interface Down

Node
syd-headoffice-ap01

Element
802.1Q VLAN

Description
802.1Q VLAN

Details
802.1Q VLAN

Priority
6

Event Status

Update

Last Updated
2024-01-17T01:52:06

Escalation
No Policy Set

Note Title

Cancel

Save

Note Text

Cancel

Save

script.create_ticket

Node

BusinessService
Office Network

Customer
FirstWave

Group
Office_APs

Host
10.16.0.123

Location
Sydney, NSW

Node
syd-headoffice-ap01

Recent events for syd-headoffice-ap01 (+/- 2h)
connected
Overview

Event
Search term

Date	Event	Element (Description)
2024-01-17T01:52:04	Interface Flap	802.1Q VLAN (802.1Q VLAN)
2024-01-17T01:52:04	Interface Down	Gigabit-Level (Gigabit-Level)
2024-01-17T01:52:03	Interface Flap	802.1Q VLAN (802.1Q VLAN)
2024-01-17T01:52:03	Interface Down	802.1Q VLAN (802.1Q VLAN)
2024-01-17T01:52:03	Interface Down	802.1Q VLAN (802.1Q VLAN)
2024-01-17T01:52:02	Interface Flap	802.1Q VLAN (802.1Q VLAN)
2024-01-17T01:52:01	Interface Flap	802.1Q VLAN (802.1Q VLAN)
2024-01-17T01:52:01	Interface Down	Link Aggregate (Link Aggregate)
2024-01-17T01:52:01	Interface Down	802.1Q VLAN

Showing 1 to 10 of 195 entries
Show
10

Actions taken for event

Date	Action	Details	Comment
2024-01-17T01:52:06	flap		event flap detected, action not required

Showing 1 to 1 of 1 entries
Show
10

Scripts

No scripts have been processed for this event.

opEvents programmable buttons allow scripts to be run against events to give operators greater flexibility in the use of opEvents in troubleshooting and triaging of events.

It uses the same pipeline as scripts in EventActions but now operators have the ability to manually kick off a action for an event.

Example use Cases

Create a Jira ticket

Configuration

Create a file in `omk/conf/table_schemas/opEvents_action-buttons.json`

This must be valid JSON schema or the buttons will fail to render. You should see an error in opEvents.log if this is the case.

```
[
  {
    "description": "Example Events Button Action",
    "label": "Ping Node",
    "fa_icon": "fas fa-table-tennis",
    "script": "ping_node",
    "tags": ["ping"]
  }
]
```

Add a policy in `omk/conf/EventActions.json|.nmis` that triggers `show_button.tag()`

EventActions.json

```
"policy": {
  "5": {
    "IF": "event.any",
    "THEN": "show_button.ping()",
    "BREAK": "true"
  },
}
```

EventActions.nmis

```
%hash = (
    'policy' => {
        '5' => {
            IF => 'event.any',
            THEN => 'show_button.ping()',
            BREAK => 'true'
        },
    },
);
```

These are the supported keys and how the change operation and look of the button.

Key	Type	Required	Description
script	string	Yes	Name of the script defined in EventActions.json
label	string	Yes	Label which the button will display to the user
description	string	optional	Tool-tip help text to be displayed when you mouse over the button
tags	array [string]	optional	If no tags are defined the button will show on all events, if tags are defined the button will only show on events which have been tagged with <code>show_button.tag_name()</code>
run_once	boolean	optional	If set to true the button will look for script. <code>script_name</code> key on the event, if found the button will disable itself. This allows manual actions to only be triggered once. Will not influence any defined EventActions.json operations.
fa_icon	string	optional	Icon to be displayed from the Font Awesome library shipped with opEvents example: "fas fa-table-tennis" Icons here https://fontawesome.com/icons?d=gallery
class	string	optional	Define a css class to colour the button, see Notes on Button Classes below to see a list of supported types

Note on Button Classes

Class
btn-default
btn-primary
btn-success
btn-info
btn-warning
btn-danger
btn-link

Note on Font Awesome

In opEvents-3.2.2 we are shipping the library 5.12.1

In opEvents-2.6.1 we are shipping the library 5.8.2