opCharts - Scheduled outages

opCharts enables you to schedule NMIS outages and add multiple Nodes, Interfaces or Elements, or a combination of both, to a single outage event. You can also schedule a one-time outage or a recurring outage for the required Nodes or Elements on the Scheduled Outages page.

This document describes how you can schedule a Node Outage using opCharts 4 and above, and Element Outages with Interfaces from opCharts 4.5.9 and above, and Element Outages with Other elements from opCharts 4.5.10 and above.

Creating a Scheduled Outage

1. To schedule an outage on the opCharts page, from the menu, click Views > Scheduled Outages.

opCharts 4.6.2	Views - Reports - Event Home	s ▼ Config ▼	
NOCIES	Nodes Events		2
Search Nodes	Monitored Services Status		~ Q
Node Filter	Metrics & Health		?
Current Filters	Locations		20
Select a Filter			
Node Status	Business Services		:
degraded	Enterprise Services Charts		13 / 20
reachable	Dashboards		2/20
unreachable	Maps		5 / 20
Group	Manage Collectors		:
Node Role	Element Lists		:
Node Type	View Polling Definitions		:
Node Vendor	Scheduled Outages	Create, view and edit NMIS scheduled outages	:
Con the Outages page that	opens, click H New Outa	ige.	Madat: faque: faq: the damate
Change ID Outage State Children ID Outage State	description CH0000388353 2024-01-10176/95-32+19.00	Start End 2024-01-6177/95/32+10.00	Preparacy
2H000085827 Rowing 1 to 2 of 2 entries	CH00034567 00500 (C (1)	1000	dəly Shaw 25 •

3. Add a **Description** for the outage.

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- 4. Specify a **Change ID** for easy identification of the outage event.
- 5. You can schedule a one-time outage or a recurring event under Frequency.

By default, NMIS collects the performance data during every outage event. You may choose to discard it by selecting the **Discard Performance Data** check box.

6. Under Outage Window, specify the Start and End time for the outage.

Click the Common Time Formats link to know more about the time formats supported by Opmantek applications for parsing the start and end times.

ins				Outage Window
ption	Update to Switch-1			2023-07-30 00:00:00 ~ 2023-08-01 00:00:00 📋
e ID	10234			Use relative format
	-			Common Time Formats
ency	Unce			•
d Performance Data				
g: The default option is to	collect performance data during an outage window, i	if you do not want to collect performance data duri	ng the outage, you can change this	here.
/Element Selection				
				Your selections for outage:
elector Type	Element		- 0	• Switch-2
lode	Switch-1		×	Elements included in outage:
lement Type	Interface		•	
iterface / Regex	Interface		•	
nterface	Vlan1 ×			
	Node		- 8	
elector Type	Madee			
elector Type	TVODES		•	
elector Type roperty				

- 7. Under Node/Element Selection, choose the Selector Type either Node or Element.
 - In case of Node, choose the Node Property to select Nodes by.
 - Select or enter the required Values. You can enter multiple Node Values (separated by commas) for the Property chosen.

Node Selection			
Selector Type	Node		
Property	✓ Select a property		
	Node Status		
	Group		
Values	Node Role		
	Node Type		
Add new selector	Node Vendor		
Add new selector	Nodes		
Delete			

• How to add a **custom** node property ?

In opCharts Outages, Custom properties can be added in Node property section to create outages for nodes. To add a custom property, Please editing opCharts_node_selector_sections ison and add in any new property of catchall. For example :- Addition of Node Model in opCharts_node_selector_sections.json

{ "name" : "catchall.data.model", "label" : "Node Model"

}

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- In case of *Element*, first search for and select the **Node** which the element(s) are on.
- For Element Type you can either select Interface or Other
 - For Interface :
 - Choose how you want to search for elements on the Interface / Regex drop-down list, select Interface or Interface Regex.
 - In case of Interface, select the required Interfaces(s) from drop-down (example: Vlan1)
 - In case of Interface Regex, enter a valid regex pattern (examples: vlan* or ^Vlan.*?\$)
 - For Other :
 - From the Match Type drop-down list, select either String or Regex
 - In case of String, enter the valid string for the Element in Value

• In case of *Regex*, enter a valid regex pattern (examples: vlan* or ^Vlan.*?\$)

Selector Type	Element	•	Ô
Node	Switch-1	×	
Element Type	Other	•	
Match Type	Regex	•	
Value	Vlan*		

- 1. Click the Add new selector button to add another Node or Element to the same Scheduled Outage.
- 2. Click Save and Back to finish scheduling the outage.

Purging of Scheduled Outages

Once a scheduled outage in opCharts has lapsed, it will clear from the list as per the NMIS configuration.

Configuration Details :- NMIS Configuration (purge_outages_after)

Section	Name	Original Value	Possible Values	Description
expiration	purge_outages_after	86400	-	past non-recurring outages

Integration with NMIS and opEvents

When a Scheduled Outage commences, on the next node collect cycle a "Planned Outage Open" event is created in NMIS and opEvents. Similarly when the scheduled outage is completed a "Planned Outage Closed" event is created in NMIS and opEvents.

For events that occur that relate to the impacted node/element during the defined scheduled outage window, the "event.planned_outage" property in opEvents will be set to true.

Further information about this property and others can be found here: opEvents Normalised Event Properties