

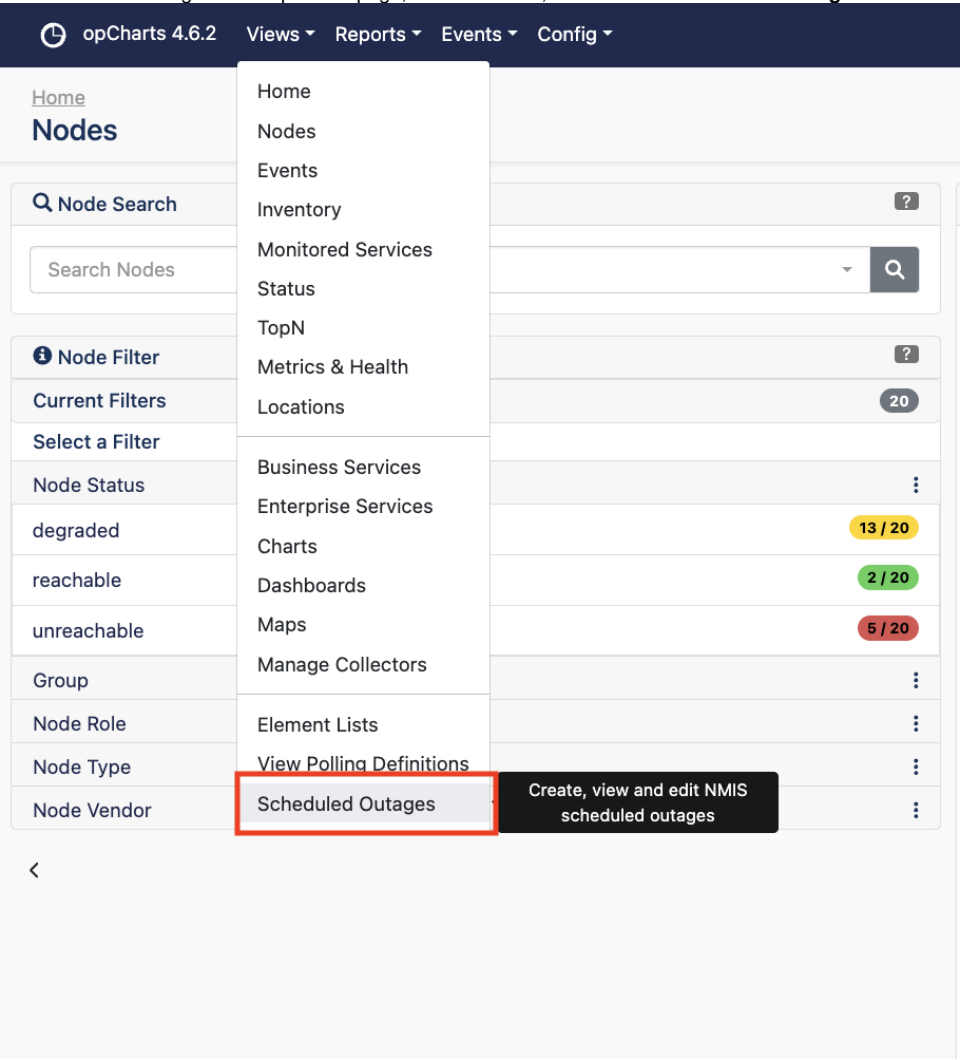
opCharts - Scheduled outages

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.

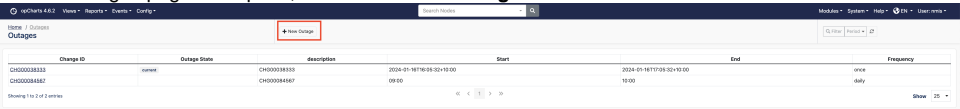
This document describes how you can schedule a Node Outage using opCharts 4 and above, and Element Outages with Interfaces from opCharts 4.5.9 and above, and Element Outages with Other elements from opCharts 4.5.10 and above.

Creating a Scheduled Outage


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



2. On the Outages page that opens, click  **New Outage**.



3. Add a **Description** for the outage.
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 Opmanetek applications for parsing the start and end times.

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.

- 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.json 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"
}
```
- 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

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](#)