

Customising the opCharts GUI

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Changing the Blue Login Message

To change the text when logging in from the default of "Authentication required: default credentials are nmis/nm1888", change the configuration option in opCommon.nmis, "auth_login_motd" to the required text.

Hiding View in NMIS Link

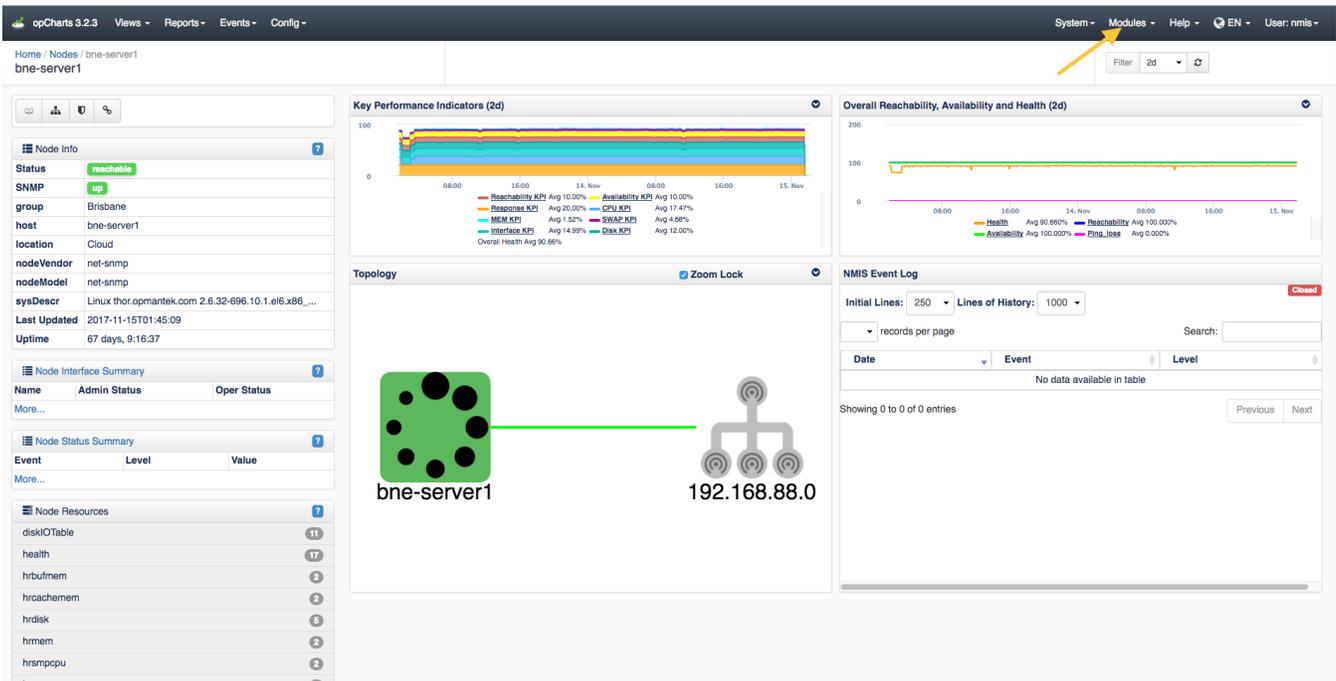
Each Nodes detail page includes a "View in NMIS" button in the Node Info panel. To hide the "view in nmis" button, change the configuration option in opCommon.nmis, "opcharts_gui_display_view_in_nmis" to false, by default this is true.

The screenshot displays the opCharts 3.2.3 interface for a node named 'asgard'. The top navigation bar includes 'Views', 'Reports', 'Events', and 'Config'. The main content area is divided into several panels:

- Node Info:** Shows status as 'reachable' and 'up'. Details include group (Open-Audit), host (asgard.opmantek.com), location (Gold Coast), nodeVendor (Cisco Systems), nodeModel (CiscoRouter), sysDescr (Cisco IOS Software, 1841 Software (C1841-ADVENTE...)), Last Updated (2017-11-15T00:15:08), and Uptime (100 days, 14:25:57).
- Key Performance Indicators (2d):** A line chart showing various KPIs over a 2-day period. The legend includes: Reachability KPI (Avg 10.00%), Availability KPI (Avg 10.00%), Response KPI (Avg 20.00%), CPU KPI (Avg 19.34%), MEM KPI (Avg 10.00%), SWAP KPI (Avg 0.00%), Ethernet KPI (Avg 22.70%), and DISK KPI (Avg 0.00%). Overall Health is 98.94%.
- Overall Reachability, Availability and Health (2d):** A line chart showing Health (Avg 99.03%), Reachability (Avg 100.00%), and Availability (Avg 100.00%) over 2 days. Ping loss is 0.00%.
- Topology:** A network diagram showing 'asgard' as a central node connected to five other nodes with IP addresses: 192.168.90.20, 192.168.90.16, 120.29.0.96, 192.168.90.2, and 192.168.88.0.
- NMIS Event Log:** Shows 0 to 0 of 0 entries. Search and filter options are available.

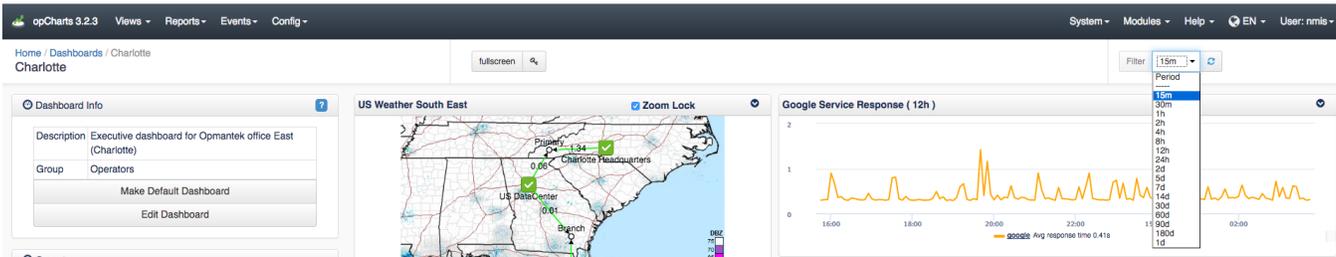
Hiding Module List in Menu Bar

Each opModule includes a "Modules" menu item in the top menu bar. To hide the "Modules" menu item in the opCharts menu bar, change the configuration option in opCommon.nmis, "opcharts_gui_display_modules_list" to false, by default this is true.



Adjusting the Chart Time Values

The opCharts menu bar includes a Filter field where you can select a time period to use in the current dashboard. This drop-down listbox is defined in opCommon.nmis under "opcharts_gui_period_values"



Adjusting node selector attributes

The opCharts Node Selector shows a list of attributes that can be selected to filter which nodes are shown in the nodes screen. If you are using custom attributes or want to be able to select nodes based on other attributes not shown such as Location or Business Service you can vary the selections by changing what is in "opcharts_node_selector_sections" in opCommon.nmis. The same updates can be made to the Monitored Services Selector filters with the attributes in "opcharts_monitored_service_selector_sections"

Node Status	⋮
degraded	23
reachable	20
unreachable	4
Customer	⋮
Location	⋮
Business Service	⋮
Group	⋮
Node Role	⋮
Node Type	⋮

In opCommon.nmis change:

opCommon.nmis opcharts section

```
'opcharts_node_selector_sections' => [
  {
    'key' => 'nodestatus',
    'name' => 'Node Status'
  },
  {
    'key' => 'group',
    'name' => 'Group'
  },
  # other default attributes not shown for brevity
  ## adding in location as an attribute to filter by:
  {
    'key' => 'location',
    'name' => 'Location'
  },
]
```

i If the attribute you have chosen is not populating the selector list as expected, check the `/usr/local/nmis8/var/nmis-nodesum.json` file for the attribute. If the attribute is not listed add it to `node_summary_field_list` in `/usr/local/nmis8/conf/Config.nmis`. A `/usr/local/nmis8/bin/nmis.pl type=summary` must run for these changes to take affect.

Adding Custom CSS

You can add custom css to `/usr/local/omk/public/omk/css/opCharts_c_custom_packed.css`

This file is maintained over upgrades within the same minor version, when upgrading from 3.x to 4.x please backup this file.

Adjusting Node Search

For opCharts-3.3.0 and below.

Type of search

The opCharts Node Selector defaults to using prefetched search results. While this can speed searches, it requires the entire data set to be downloaded with each page load, which can slow response time when a large number of nodes exist as the data set can get very large. You can adjust this default from prefetching the search results to loading the results remotely with each search.

Changing from prefetch to remote will also allow a more comprehensive search. The prefetch search looks slightly nicer but only searches from start of the word, remote search will search all parts of the word (host/node name).

In opCommon.nmis change:

```
'opcharts_gui_node_search_mode' => 'prefetch', # <- uses prefetched data to do the search locally
```

To:

```
'opcharts_gui_node_search_mode' => 'remote', # <- hits the server every search
```

Width of results box

The width of the node search results can also be customised using CSS. If the width of the box is consistently too small try adding the following lines to `/usr/local/omk/public/omk/css/opCharts_c_custom_packed.css`

```
.tt-dropdown-menu, .tt-menu  
{  
  min-width: 480px;  
}
```

The width value should be adjusted to fit your needs.