

# TopN View

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## TopN 2023

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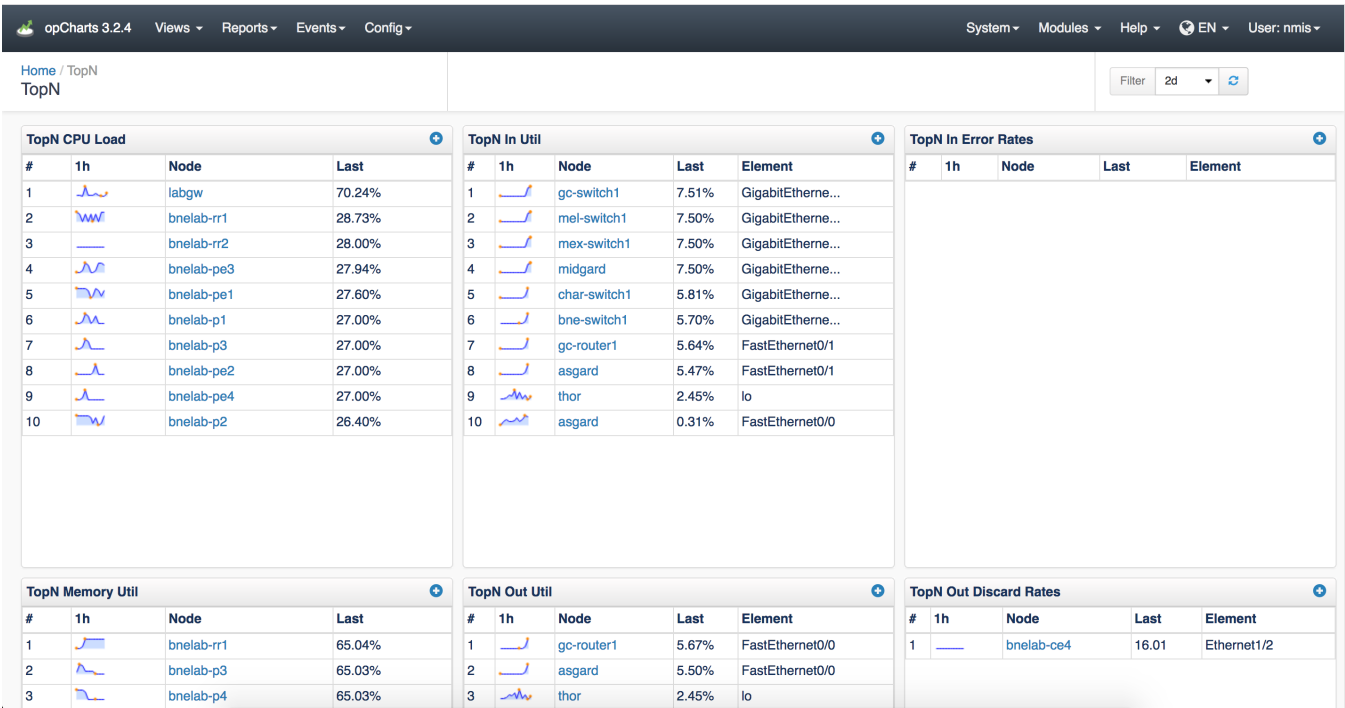
## Introduction

The TopN view is a custom dashboard view built from six opCharts charts. It can be accessed by selecting Views -> TopN from the opCharts menu bar. For more information on these see: [opCharts Chart](#).

## Overview

The TopN View includes the following six Components:

- TopN CPU Load
- TopN Memory Load
- TopN In Util
- TopN Out Util
- TopN Error Rates
- TopN Out Discard Rates



## TopN Error Rates and TopN Discard Rates Blank

It is 99% likely that these are not missing but that there are no values for these types of things. In network devices it is normal to see output discards and input errors, it is VERY uncommon to see input discards and output errors. Back with older networking technologies like Frame Relay, X25, etc we used to see this happen and very rarely now we see it with bad transceivers and cables causing these values.

## Sparklines

The small graphs for each TopN are called "sparklines", they give you an impression of the full graph which you can see by clicking on the sparkline or the node.

# TopN 2023

Information about the TopN Definition screen. What do all the columns mean.

Mark Dueck is writing new definitions for all the old defintions.

Need to make new screen shots

need to write how to add to dashboard

## Top N Enhancements

TopN data tables have been replaced with new and improved grid which allows the user to sort the table on "Last" column to reverse the data displayed, effectively allowing the user to inspect the "bottom N"

New selector is available which can display 10, 20 or 50 entries in each table. On the first load, each table shows the default entries (based on the "limit" value in configuration). Changing the value in "show" selector will trigger to display the selected value for all tables irrespective of the limit in configuration.

## Add/Edit TopN Configuration

As part of TopN enhancement, users now have the capability to add or edit the TopN definition via GUI. This feature can be accessed via Views TopN and then clicking on the "Manage TopN Configs" button

opCharts 4.6.1ViewsReportsEventsConfig

Search Nodes

Modules

Home / TopN

TopN

Manage TopN Configs

Show10

pkts\_hc-ifinErrors( 1d )

#	1h	Name	Element	Last
1		Switch-1_AT_OPTESTIS	GigabitEthernet1/0/1	20,726.48
2		Switch-1	GigabitEthernet1/0/1	20,725.33
3		Switch-1	GigabitEthernet1/0/2	10,159.90
4		Switch-1_AT_OPTESTIS	GigabitEthernet1/0/2	10,159.05
5		ASE-4064-SYD-ASW01	GigabitEthernet1/0/24	8,790.32

New TopN( 1d )

#	1h	Name	Element	Last
1		vrouter_host	GenuineIntel: Intel(R) Xeon(R) CPU @ 2.20GHz	100.00
2		vrouter_host	GenuineIntel: Intel(R) Xeon(R) CPU @ 2.20GHz	100.00
3		vrouter_host	concept catchall on node vrouter_host and server 660f29ae-f150-4119-bf04-cd9296852449	99.82
4		import_Eve_test_240523	GenuineIntel: Intel(R) Core(TM) i5-10210U CPU @ 1.60GHz	80.12

( 1d )

#	Name
1	vrouter_host
2	vrouter_host
3	vrouter_host
4	import_Eve_test_240523
5	import_Eve_test_240523

This button will take you the page that lists all the available Top N definitions. To add a new one, click on the add button above the grid or to edit an existing definition. select it and then click the edit button. This will open modal. Fill int the fields and click Save to save the definition

+⌵⌵⌵⌵

Name

Search term

Go

	Name	Order	Edited By	Edited Date	Created
<input type="checkbox"/>	Test_filter	0	johns	2023-11-27T09:47:07	pallavip
<input type="checkbox"/>	new_TopN	0	pallavip	2023-11-24T13:23:05	pallavip
<input type="checkbox"/>	new_topN	0	pallavip	2023-11-22T16:17:52	nmis

#### Top N Fields Definition:

Field	Description
Name	Unique name that will act id for the config
Title	Title to display on the dashboard
Order	The order where the dashboard must be displayed
Limit	Number of rows to be displayed by default
Show Value	
Show Element	If selected, display the interface column
Show Sparkline	If selected, display the sparkline chart for last 1 hour
Top N Key	
Data Section	
Add Filter	If selected, allows to add filter criteria which will filter the nodes shown in table



#### Default shipping TopN table "topn\_key" names

CPU "cpuLoad",  
 Memory "memoryUtil"  
 Interface Output "outputUtil"  
 Interface Input "inputUtil"  
 Interface Errors In "ifInErrors"  
 Interface Discards Out "ifOutDiscards"  
 TCP connections "tcpCurrEstab",