

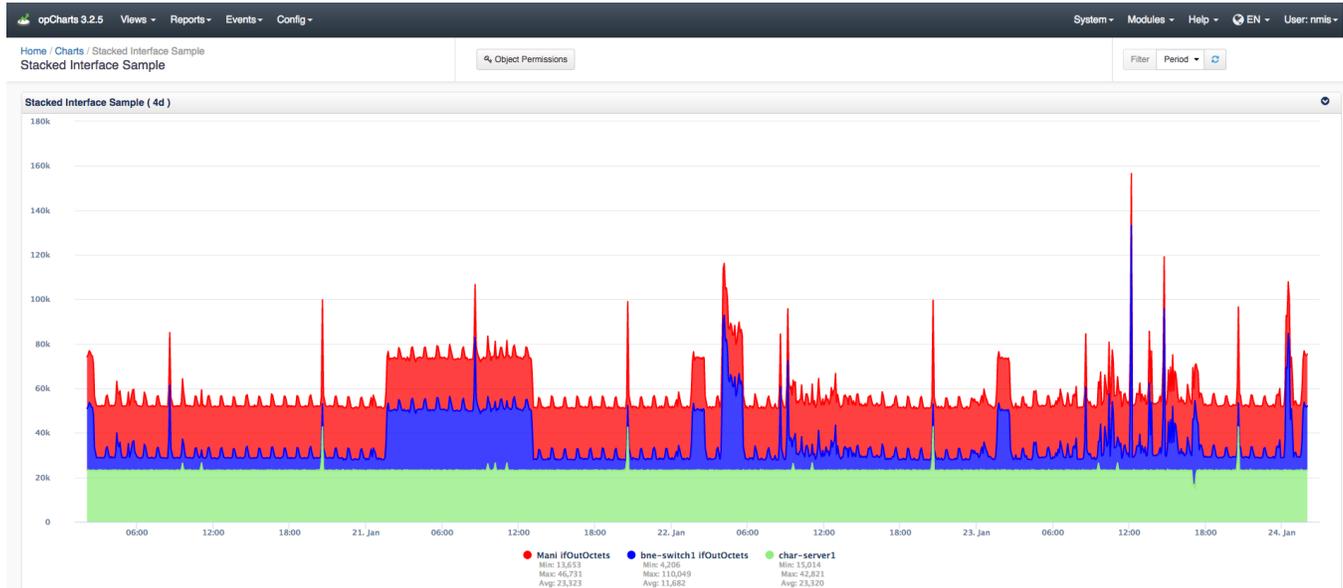
# Creating multiple stacked interfaces

## Creating Multiple Stacked Interfaces

Join Paul McClendon, an Opmantek Support Engineer, as he demonstrates how to stack your interfaces using opCharts.

opCharts allows for stacking multiple datasets allowing you to view and compare information in one easy to read location.

More information on creating a chart and the different data types in opCharts can be found here: [Creating Charts with the opCharts Chart Editor](#)



### Step 1 Create a new chart:

To create an interfaces chart similar to the one above navigate to Menu -> Views -> Charts then select the blue "+" icon.

Name	Description	Title
00_gr	Grafica que muestra los servicios de GMG	00_grafica_ins
Interface Average Bits		Interface Average Bits
CBQoS Stack Test		CBQoS Stack Test
CPU Load - IP		CPU Load - IP
CPU Usage across multiple servers	Example of adapting	
Charlotte WAN Link		WAN Link
ClaroEC		Memoria Vs CPU
Critical CPU Load		Critical CPU Load
GraficaCPUMeM		Memoria Vs CPU
Internet Traffic IP		Internet Traffic IP
Key Performance		
LaGanga	La Ganga	LaGanga
Main Nodes CPU		Main Nodes CPU
MainRouters		MainRouters

### Step 2 Set name and descriptions:

This opens up the chart creation menu below. From here you can enter a name, description, title, and choose the titles and min/max of the left and right Y-Axis.

opCharts 3.2.5 Views Reports Events Config System Modules Help EN User: nmis

Home / Charts / Stacked Interface Sample / Edit  
Editing Stacked Interface Sample

Filter Period

**Edit Chart**

Name: Stacked Interface Sample

Desc: Demonstrates stacking 3 interfaces from 3 different devices

Title: Stacked Interface Sample

Time Period: 4d

Left Y-Axis Title:

Right Y-Axis Title:

Left Y-Axis Min:

Left Y-Axis Max:

Only Display Stacks in Legend:  true  false ?

Save Add Dataset

[Online Documentation](#)

**Stacked Interface Sample ( 4d )**

Legend:

- Mani ifOutOctets: Min: 13,653, Max: 46,731, Avg: 23,323
- bne-switch1 ifOutOctets: Min: 4,206, Max: 110,049, Avg: 11,683
- char-server1: Min: 15,014, Max: 42,823, Avg: 23,319

Type	Data Source	Title	Node	Resource	Graph Type	Index	Fields	Axis	Translation	Line Type	
nmis_rrd	nmis	Mani ifOutOctets	mani	interface		10	ifOutOctets	0		area	<input type="checkbox"/> <input checked="" type="checkbox"/>
nmis_rrd	nmis	bne-switch1 ifOutOctets	bne-switch1	interface		10123	ifOutOctets	0		area	<input type="checkbox"/> <input checked="" type="checkbox"/>
nmis_rrd	nmis	char-server1	char-server1	interface		10	ifOutOctets	0		area	<input type="checkbox"/> <input checked="" type="checkbox"/>

### Step 3 Add a dataset:

To get some information into this new chart click on the "Add Dataset" button:

Add
×

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**Data Type**

**Node**

**Resource**

**Index**

**Class**

**Field**

**Dataset Title**

**Line Type**

**Axis**

**Color**  ?

**Legend Min**  true  false

**Legend Max**  true  false

**Legend Avg**  true  false

**Reverse Axis**  true  false

**Stack**  ?

**Suffix**  ?

**Decimals**  ?

**Dataset Multiplier**  ?

[Online Documentation](#)

Cancel

Add

**NOTE: A chart can only have one NMIS graph embedded in it and as many NMIS Dataset's as desired (the two can be mixed).**

For this example we will be choosing the NMIS Dataset data type. In the node section, enter the node you wish to gather information on. The resource should be set to interface (if you want to monitor an interface, see other menu options for other chart possibilities). The index section should be the name of your interfaces connection you want to monitor. The field should be set to the field you want to view data on, in this case we are monitoring ifOutOctets.

**NOTE: Stacking only works with the area line type.**

Change the legend menu options to suit your needs. Be sure that the Line Type is set to area as stacking only works with the area line type. Set stack to True in the stack text bar. After this information is input to your liking continue to click Add in the bottom right corner and watch your new chart populate with information. Be sure to save the chart from the Edit Chart menu when it is complete.

#### Step 4 Add another interface to the stack:

To add another interface to monitor, simply repeat the above process for the different nodes you wish to view this information on.

In edit mode you can view, delete, and edit each node from the tables shown in the screen shot below.

Type	Data Source	Title	Node	Resource	Graph Type	Index	Fields	Axis	Translation	Line Type		
nmis_rrd	nmis	Mani ifOutOctets	mani	interface		10	ifOutOctets	0	Edit/View	area		
nmis_rrd	nmis	bne-switch1 ifOutOctets	bne-switch1	interface		10123	ifOutOctets	0		area		
nmis_rrd	nmis	char-server1	char-server1	interface		10	ifOutOctets	0	Delete	area		

See this Wiki page on [Aggregating Circuits/Nodes Into a Single Graph](#) for a few other examples.