



Customizable Console: Dashboard



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Customizable Console: Dashboard

[Go back to Pandora FMS documentation index](#)

Introduction

The Dashboard is a Pandora FMS Enterprise feature that allows users to build their own monitoring pages. It is possible to add more than one page and there you may add monitoring maps, graphs, status summaries, etc.

NEW DASHBOARD

⊕ ⚙ New dashbo... 📷 🗑 🔄 📄 🔍

General Event Dashboard

Show 20 entries

Previous 1 2 Next

S	Event name	Status	Agent name	Timestamp
	Pandora DB maintenance tool has never been run.	★		4 minutes 12 seconds
	Pandora DB maintenance tool has never been run.	★		9 minutes 15 seconds
	Pandora DB maintenance tool has never been run.	★		14 minutes 17 seconds

Top N events by agent

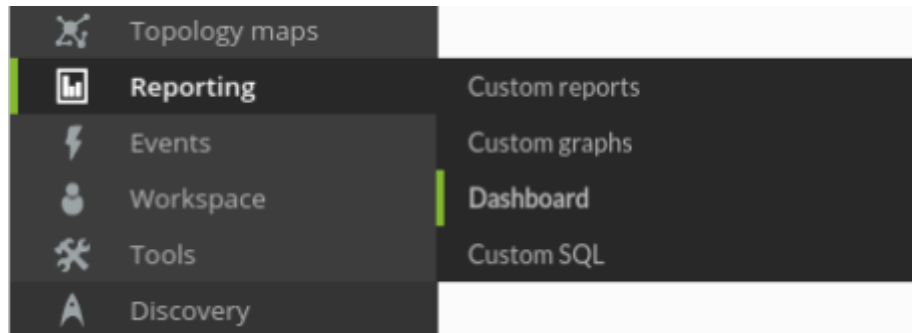
Agent	Count
System	20
pandorafms agent	3
pandorafms	2

Top N events by module

Module	Count
SYSTEM [System]	20
New agent created [S	
Going up to …a	
Changing fro…g	
Changing up …	

E The building blocks of the dashboards are called graphical widgets (or simply **widgets**) that are classified according to the version used, either Open or Enterprise.

To see or set up a dashboard, go to Reporting → Dashboard, located on Pandora FMS web console's right side.



When entering this section, a list will appear with the dashboards that the user has permissions to access, as well as the option to create new ones.

Pandora FMS simplifies monitoring management through **user permissions**. There are several permission systems that restrict what a user can see or manage, the most important is the **concept of groups** (either predefined groups by Pandora FMS and/or customized groups) *combined with the profile of each user*. Pay special attention to the notes about the All group (ALL) throughout the documentation.

Migration to the new dashboard system

From version 745 onwards, a new dashboard system comes into operation in Pandora FMS.

If there are already any dashboards created in your system there will be no need of performing any additional configurations, as the migration to the new system will be done automatically. However, you will need to relocate and resize the corresponding **widgets**.

In some cases, the contents of some widgets cannot be migrated, so you must delete and create again the widgets.

Creating a Dashboard

To create a Dashboard, go to Reporting → Dashboard and click New dashboard.

DASHBOARDS

Total items: 3

Name	Cells	Group	Favorite	Full screen	Copy	Delete
Testin Private Dashboard	1	Private for (admin)	1			
Testing Public Dashboard	1		1			
Testing Public Dashboard Firewalls	1		0			

Total items: 3

[New dashboard >](#)

In the popup dialog, assign a name to the dashboard, which will have a single cell by default, and indicate whether it will be private (only the user who created it and the Pandora FMS administrator will be able to see it) or visible for a group.

Update Dashboard ✕

Name Example for new dashboards

Private

Group All ▼

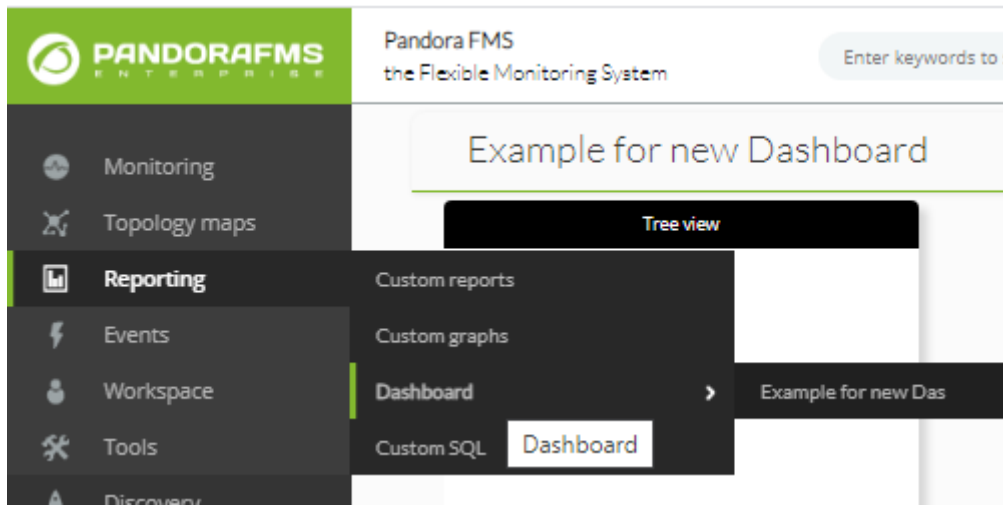
Favourite

Cancel
OK

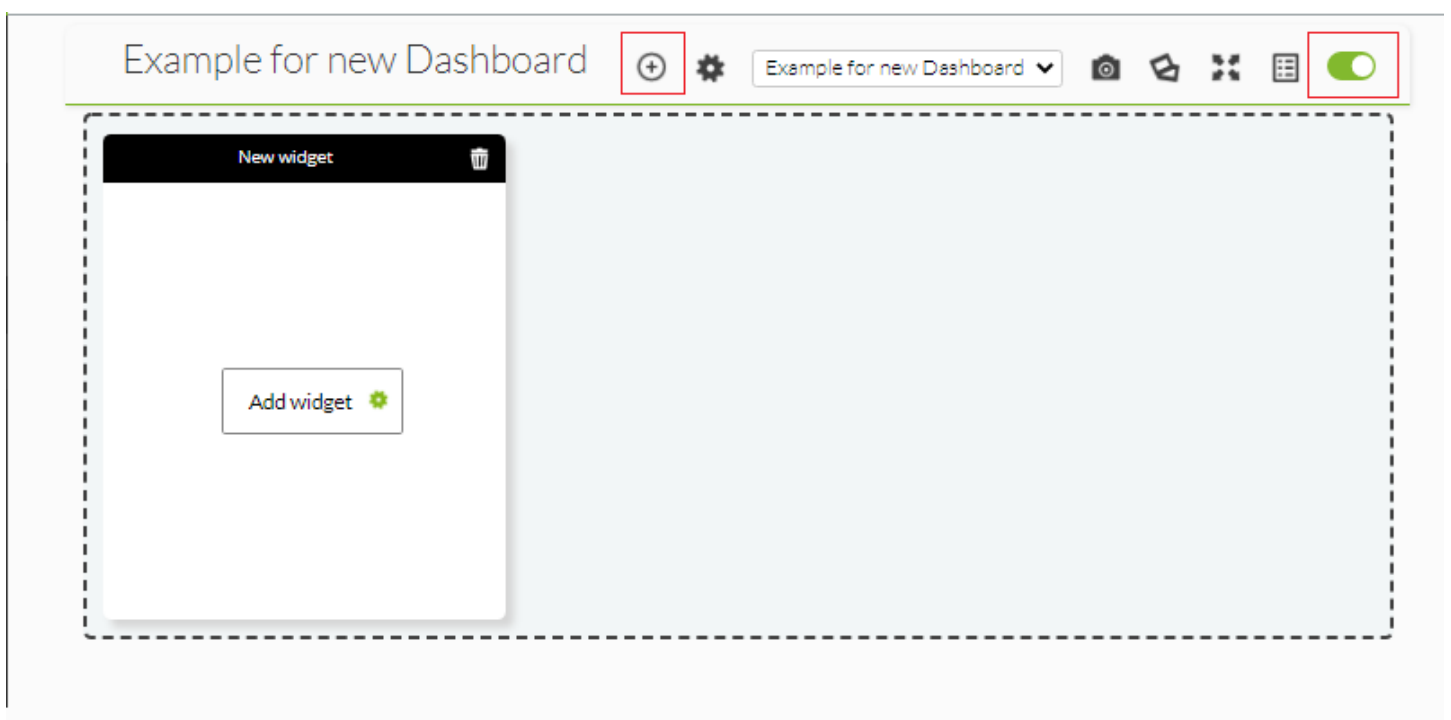
Pandora FMS v7.0NG.761 - OUM 761 - MR 53
 Page generated on 2022-05-17 22:34:06

Only a group to which the user creating the dashboard belongs can be assigned, unless that user explicitly belongs to the **ALL group**.

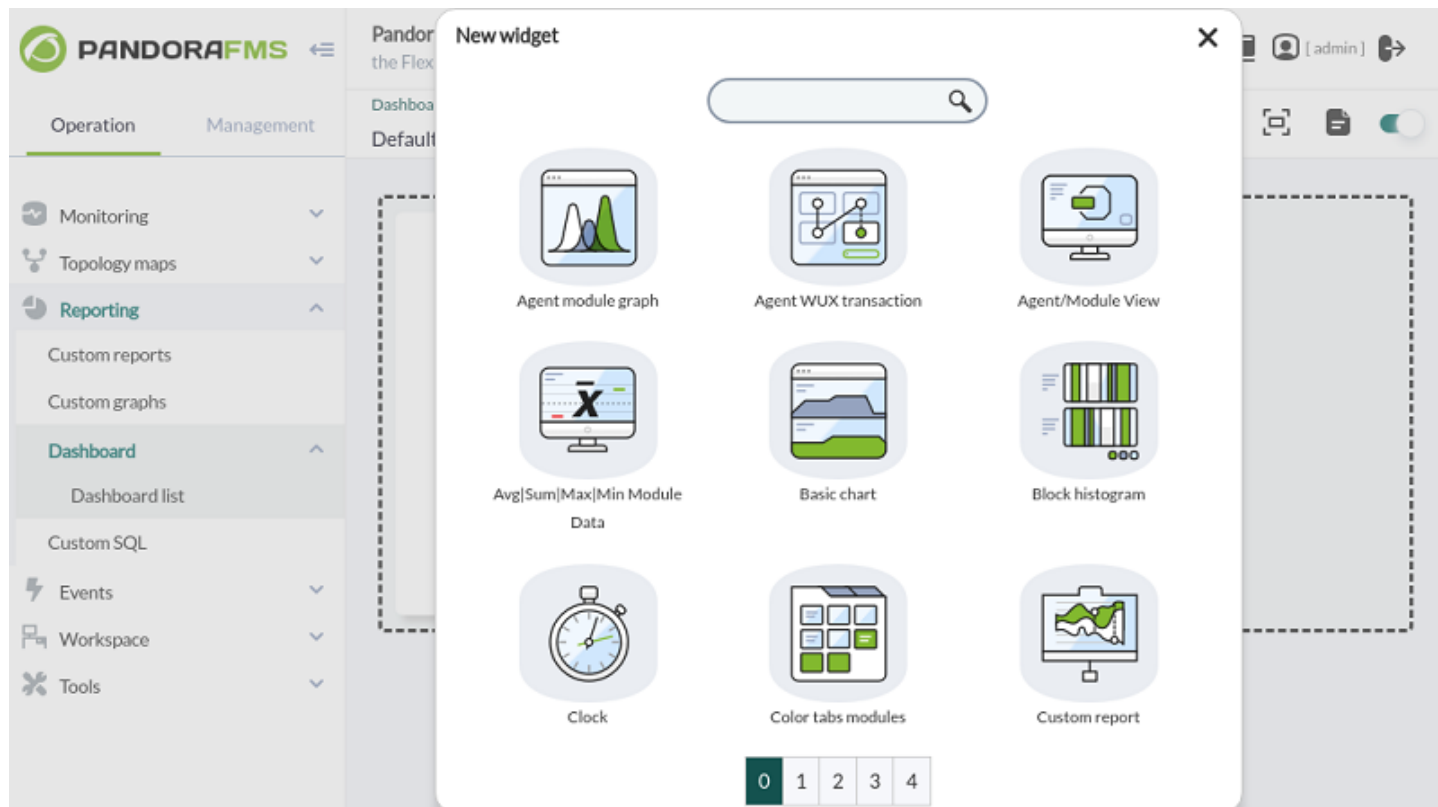
If you checked the option Favourite when reloading the page, you will have in the menu a direct access to the recently created dashboard.



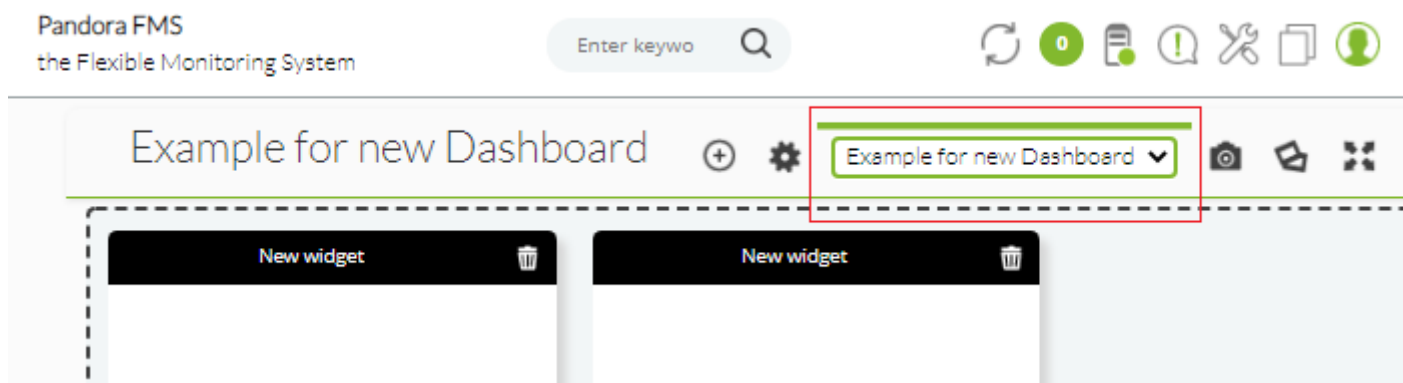
To edit the Dashboard, click on the editing button located at the right of the icon line, then to add cells click on the circle icon with +.



Click Add widget, and you will see a new window where all types of items that can be added are. You may browse through the different pages and see all available widgets by using the buttons at the left corner.



You may modify again the Dashboard (name, private, users, favorites): click on the icon next to the add cells button. You may also select other dashboards from the deploying list next to it and repeat the widget modifying and adding procedures.



NG 770 version or later.

Independently of the Favourite field in the general settings of a dashboard, it can also be added to the **favorites system** by clicking on the star button next to the name. To remove it from the favorites system, click it again and uncheck it.

The screenshot displays the Pandora FMS web interface. On the left, a navigation menu is visible with two main sections: 'Operation' and 'Management'. Under 'Management', there is a 'Dashboard' section which is expanded to show 'Dashboard main' with a yellow star icon. Below this, there is a 'Favorite' section also containing 'Dashboard main'. The main content area on the right shows a 'Dashboard main' view with a 'Clock' widget. The clock widget is a large analog clock face with the number 12 at the top, 3 on the right, 6 at the bottom, and 9 on the left. The hands indicate a time of approximately 1:50. A dashed red box highlights the 'Dashboard main' menu item in the left sidebar, and another dashed red box highlights the 'Clock' widget in the main dashboard area.

Adding widgets to the Dashboard

Several different widgets can be added to each dashboard, each one occupying a cell. Each widget has its own features and configurations, their use and the options available for each one are detailed below.

- Agent module graph.
- Agent WUX transaction.
- Agent/Module View.
- Avg Sum Max Min Module Data.
- Basic chart.
- Block histogram.
- Clock.
- Color tab modules.
- Custom report.
- Data matrix.
- Defined custom graph.
- Event cardboard.
- General group status.
- General visual maps report.

- Global health info.
 - Groups status.
 - Grouped meter graphs.
 - Icon and module value.
 - List of latest events.
 - Module histogram.
-
- Module in a table.
 - Module status.
 - Module value.
 - Modules by status.
 - Network map.
 - OS quick report.
 - Panel with a message.
 - Service map.
 - Services view.
 - SLA percentage.
 - Tactical view.
 - Top N events by agent.
 - Top N events by module.
 - Top N of agent modules.
 - Tree view.
 - Triggered alerts report.
 - URL content.
 - Visual Console.
 - Welcome message to Pandora FMS.
 - WUX transaction stats.

Widgets have some common fields such as title, group, background color, etc. There is a Welcome Widget: “Welcome” type, select and add, edit and remove it until you feel familiar with the tool.

Welcome widget



Display a list of agents/modules

To show a list of selected agents and modules use the following widget.



Existing agent common modules are loaded by default. If any of them match, the data will be displayed. It may also be configured using these options:

Configure widget

Title: Agent/Module View

Background: ⓘ

Group: All ▼

Recursion:

Agent:
10
100
101
102
103
104
105
106
107

Show common modules: Show common modules ▼

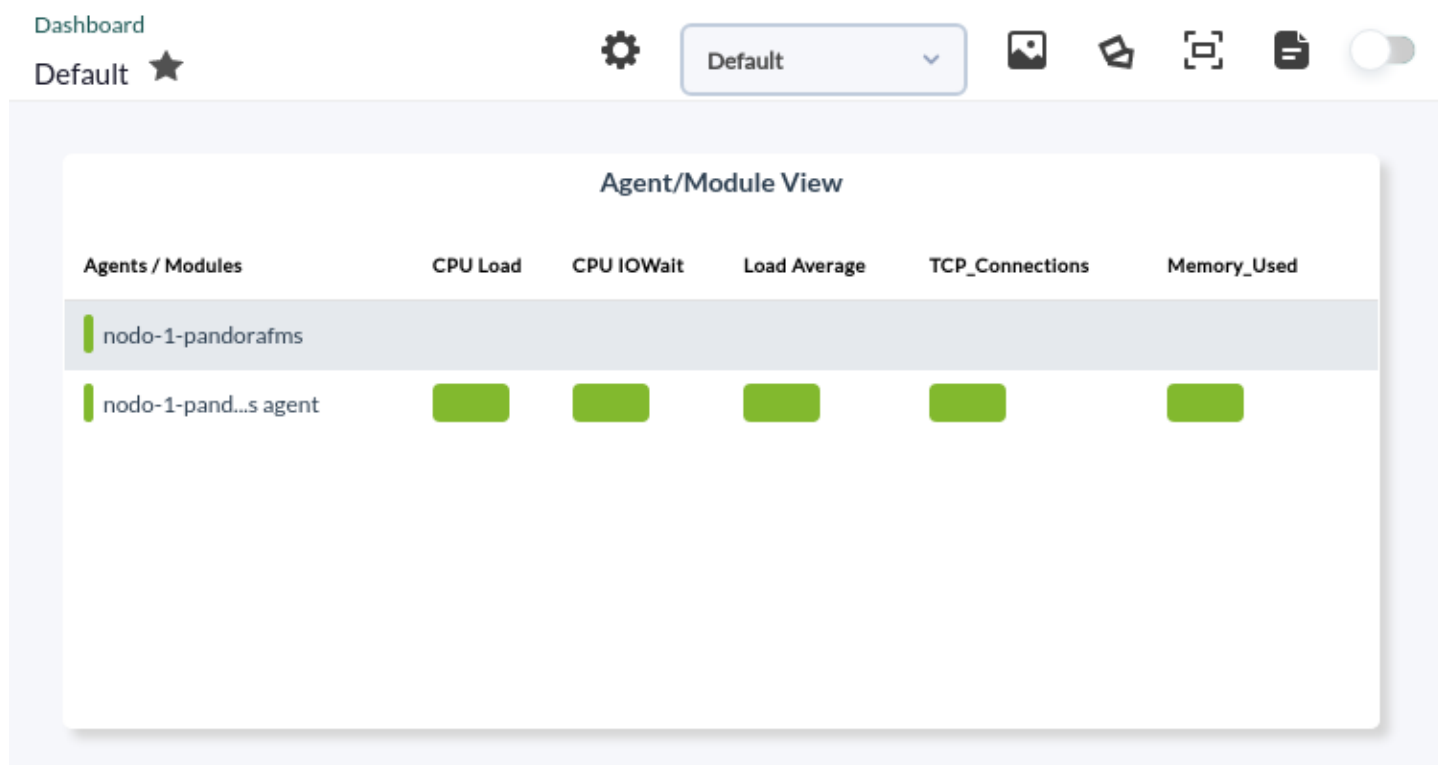
Module: Agents_Unknown
Connections opened
CPU IOWait
CPU Load
CPU Usage
Database Maintenance
DiskUsed_
DiskUsed_/boot
DiskUsed_/home
Disk_Free

Update ↻

- Title: Title the widget will be given.
- Background image: CSS color code for the background.
- Group: Group to filter the agent list.

- Agent: Agent list.
- Show common modules: There are two options, showing the selected agent common modules or showing all selected agent modules. By default Show common modules.
- Modules: Module list generated from what has been selected on agents and common modules.

When saving the configuration, the widget should look something like the one shown below.

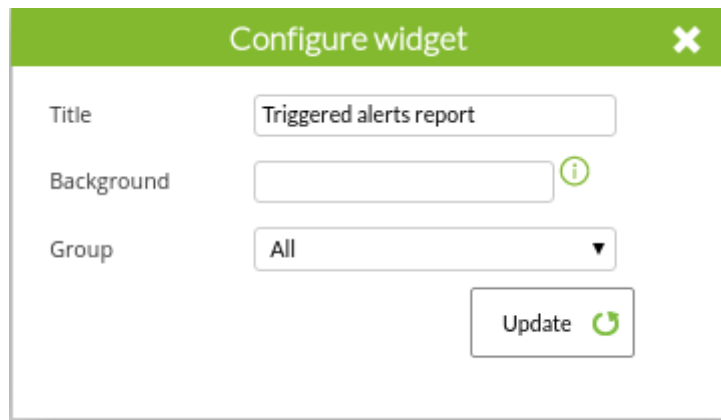


Triggered alert reports

To show a report on triggered alerts, use the following widget.



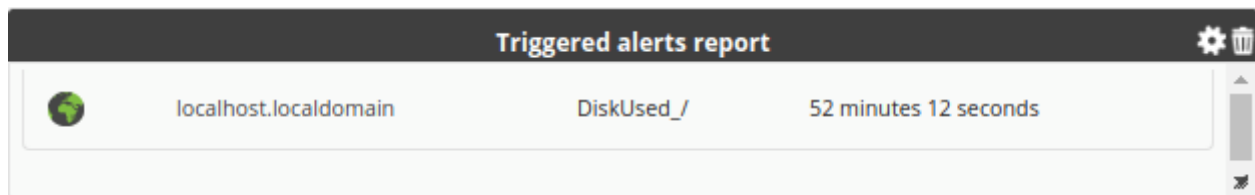
The settings options it shows are:



The 'Configure widget' dialog box has a green header with the title 'Configure widget' and a close button (X). It contains three configuration fields: 'Title' with the value 'Triggered alerts report', 'Background' with an empty input field and an information icon (i), and 'Group' with a dropdown menu showing 'All'. At the bottom right, there is an 'Update' button with a refresh icon.

- Title: Widget title.
- Background image: Background color in CSS code.
- Groups: Group from which the alert report is to be obtained.

When saving the configuration, the widget will look something like this.

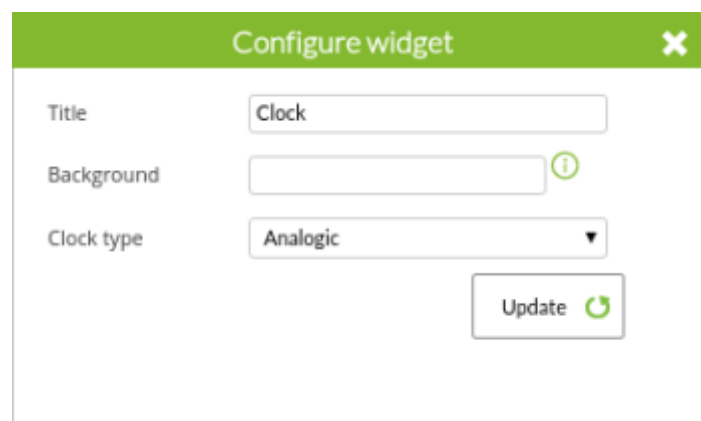


Clock

This widget displays a clock with the time set in the console. To add this widget, click on the following icon:

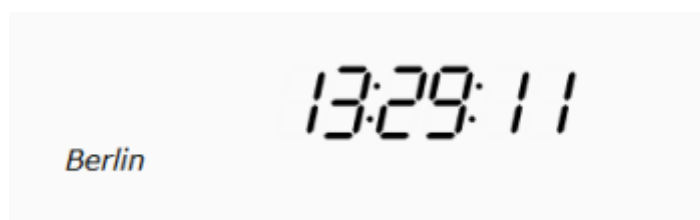
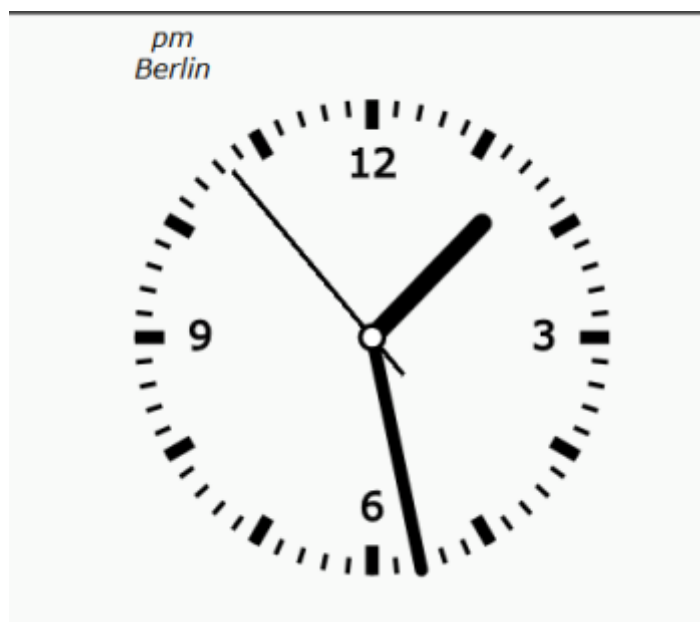


The following setup window will appear.



The 'Configure widget' dialog box has a green header with the title 'Configure widget' and a close button (X). It contains three configuration fields: 'Title' with the value 'Clock', 'Background' with an empty input field and an information icon (i), and 'Clock type' with a dropdown menu showing 'Analogic'. At the bottom right, there is an 'Update' button with a refresh icon.

In Clock type, choose digital or analogical clock. The other options are those common to the previous widgets.

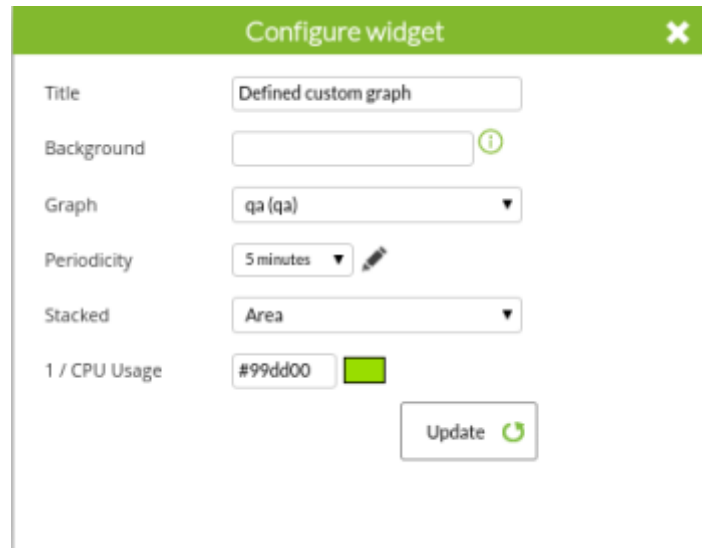


User defined graphs

To add a user defined graph, click on the following icon:



Item configuration window.

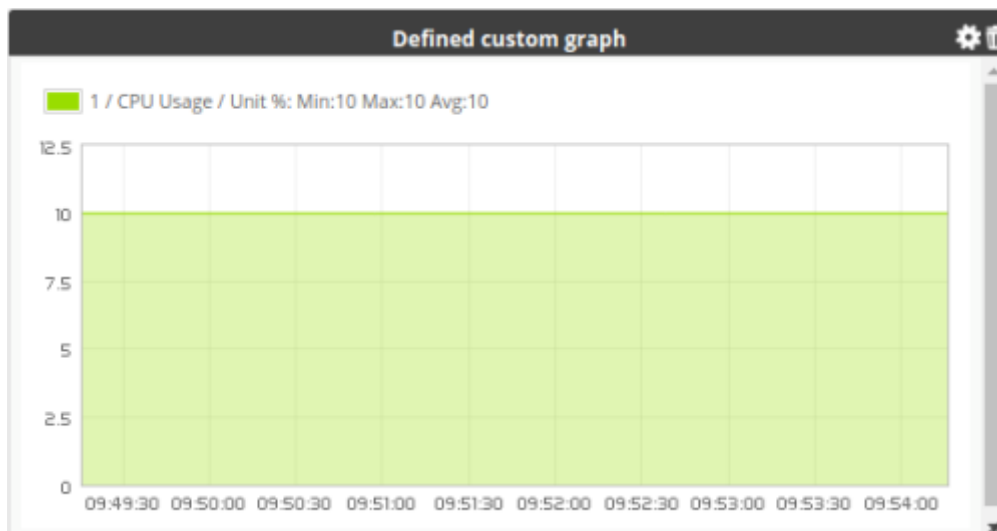


The image shows a 'Configure widget' dialog box with a green header and a close button. It contains several configuration options:

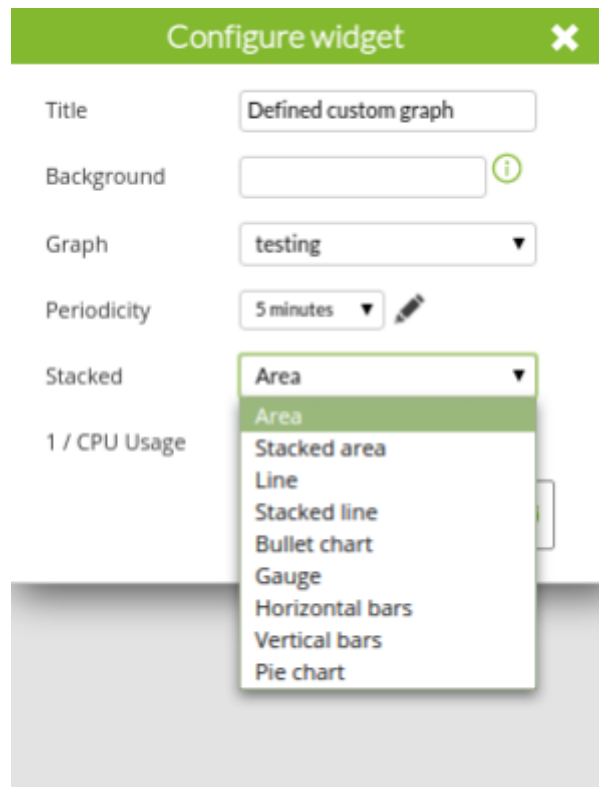
- Title: Defined custom graph
- Background: An empty text input field with an information icon.
- Graph: A dropdown menu showing 'qa (qa)'.
- Periodicity: A dropdown menu showing '5 minutes' with a refresh icon.
- Stacked: A dropdown menu showing 'Area'.
- 1 / CPU Usage: A color picker showing '#99dd00' and a green color swatch.
- Update: A button with a refresh icon.

- Graph: Combo where the graph that will appear can be chosen. Select it from the graphs created on Pandora FMS.
- Periodicity: Combo where the graph period is established.
- Stacked: The type of graph that the data will be shown on.

When clicking on update a window like the following should appear:

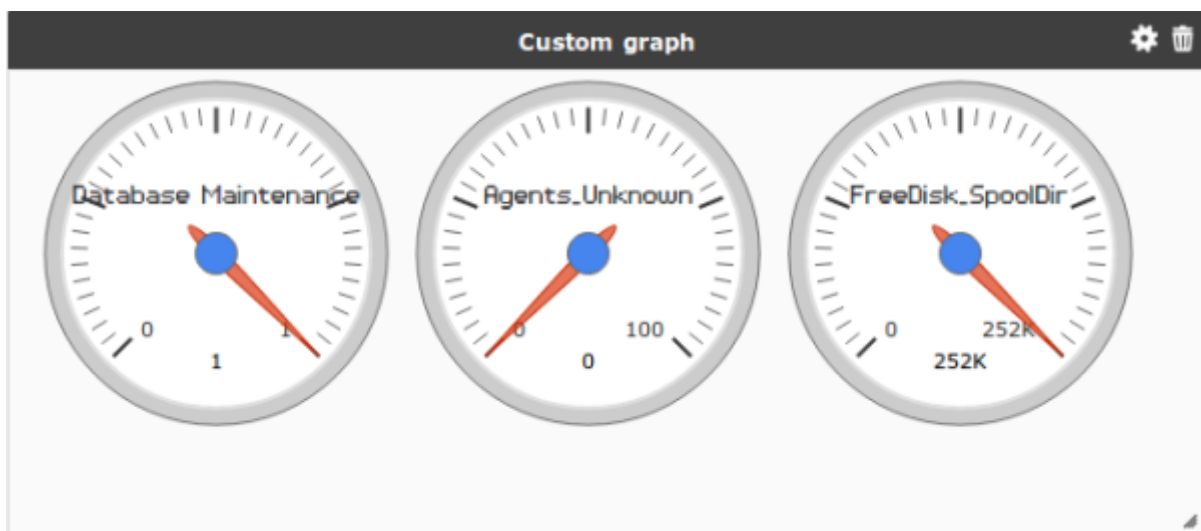


In the Stacked section you have a series of options:



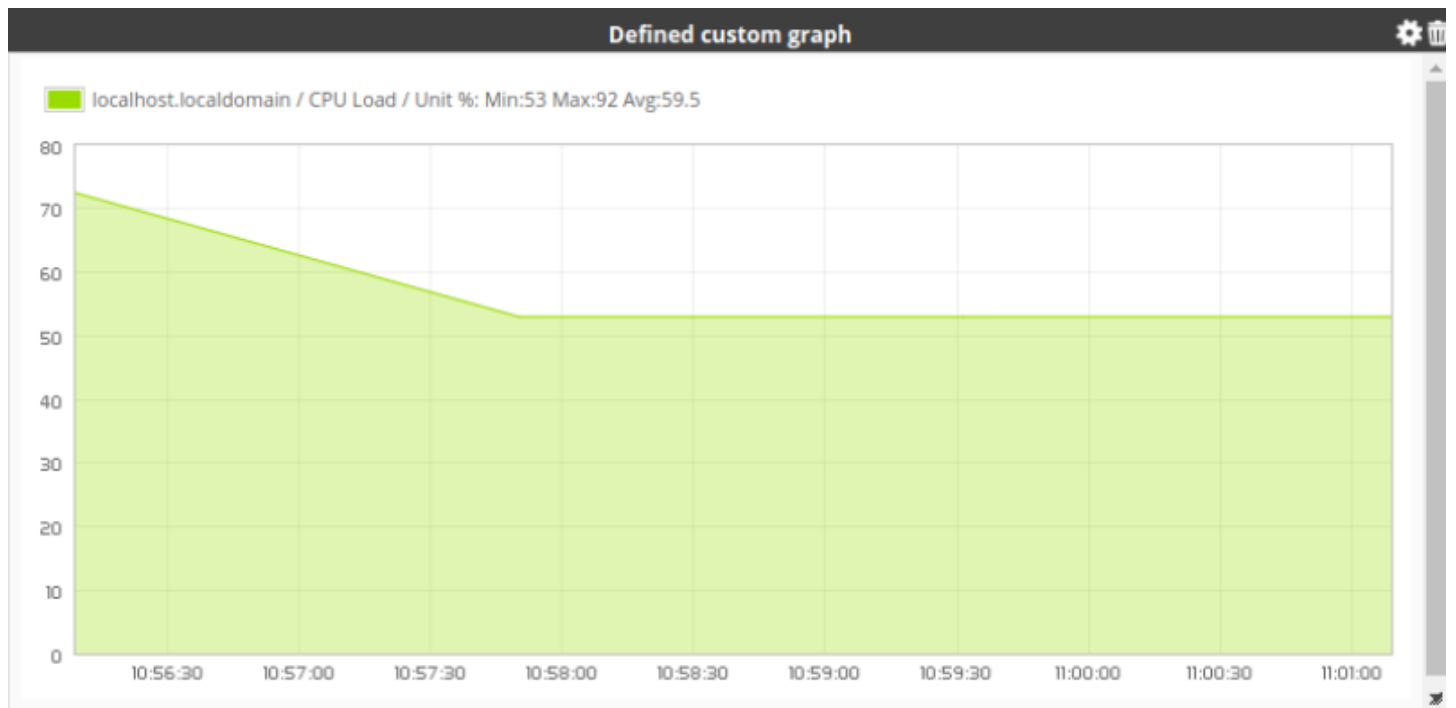
They are the different graph modes for showing data. For example:

Gauge Mode:



In this type of graph, the maximum and minimum for each timer will be defined by the minimum and maximum values defined within each module. Otherwise, the maximum or minimum value the module took throughout its runtime will be the one shown. Warning or Critical values are shown as orange and red stripes accordingly.

Stacked area:



List of latest events

This widget can consume a lot of machine resources. Limit the search to specific groups (Groups) and reduce the number of hours to the minimum necessary (Max. hours old).

To add a list with the latest events that took place in Pandora FMS, click on the following icon:



When clicking on the icon, the item configuration window appears.

Configure widget
✕

Title	<input type="text" value="List of latest events"/>	Groups	<div style="border: 1px solid #ccc; padding: 5px; display: flex; justify-content: space-between; align-items: center;">✕ All</div>
Background	<input type="text"/>	Group recursion	<input type="checkbox"/>
Custom filters	<input type="text" value="None"/>	Tags	<div style="border: 1px solid #ccc; padding: 5px;"> <div style="background-color: #4CAF50; color: white; padding: 2px;">None</div> configuration cpu_usage critical disk_rate disk_usage dmz memory_usage network network_usage </div>
Event type	<input type="text" value="Any"/>		
Max. hours old	<input type="text" value="8"/>		
Limit	<input type="text" value="30"/>		
Event status	<input type="text" value="All events"/>		
Severity	<input type="text" value="All"/>		

- Event Type: Combo where you may choose amongst the different types of events available (Critical, Warning, etc.).
- Max. hour old: Combo where the time interval to be used is defined (in hours).
- Limit: Combo where the maximum number of events to be showed is set.
- Event Status: Combo where the status for each event can be chosen: validated, unvalidated, all.
- Groups: Groups that will be shown in events.
- Tags: Tags that will be shown in events.

Click on Ok and a window like the following should appear:

Show entries





Previous **1** 2 3 4 5 ... 546 Next

S	Event name	Status	Agent name	Timestamp
	Module 'Server Status B' is going to CRITICAL (0)	★	52	3 minutes 35 seconds
	Module 'CPU Usage' is going to WARNING (72)	★	82	3 minutes 35 seconds
	Module 'Server Status B' is going to CRITICAL (0)	★	210	3 minutes 36 seconds
	Module 'Server Status B' is going to CRITICAL (0)	★	231	3 minutes 36 seconds
	Module 'Server Status B' is going to NORMAL (34)	✓	237	3 minutes 36 seconds
	Module 'Server Status B' is going to CRITICAL (0)	★	247	3 minutes 36 seconds
	Module 'Server Status C' is going to CRITICAL (0)	★	26	3 minutes 36 seconds

Click on the agent name to access the agent configuration window.

Module 'CPU Usage' is going to WARNING (79)

- General
- Details
- Agent fields
- Comments
- Responses

Event ID	#2268721
Event name	Module 'CPU Usage' is going to WARNING (79)
Timestamp	October 8, 2022, 1:40 am
Owner	N/A
Type	Changing from critical to warning status 
Duplicate	No
Severity	Warning 
Status	New event 
Acknowledged by	N/A
Group	Servers 
Contact	N/A
Tags	N/A
Extra ID	N/A

Display module status history graph

To display a graph of historic module status, use the following widget.



The settings options are:

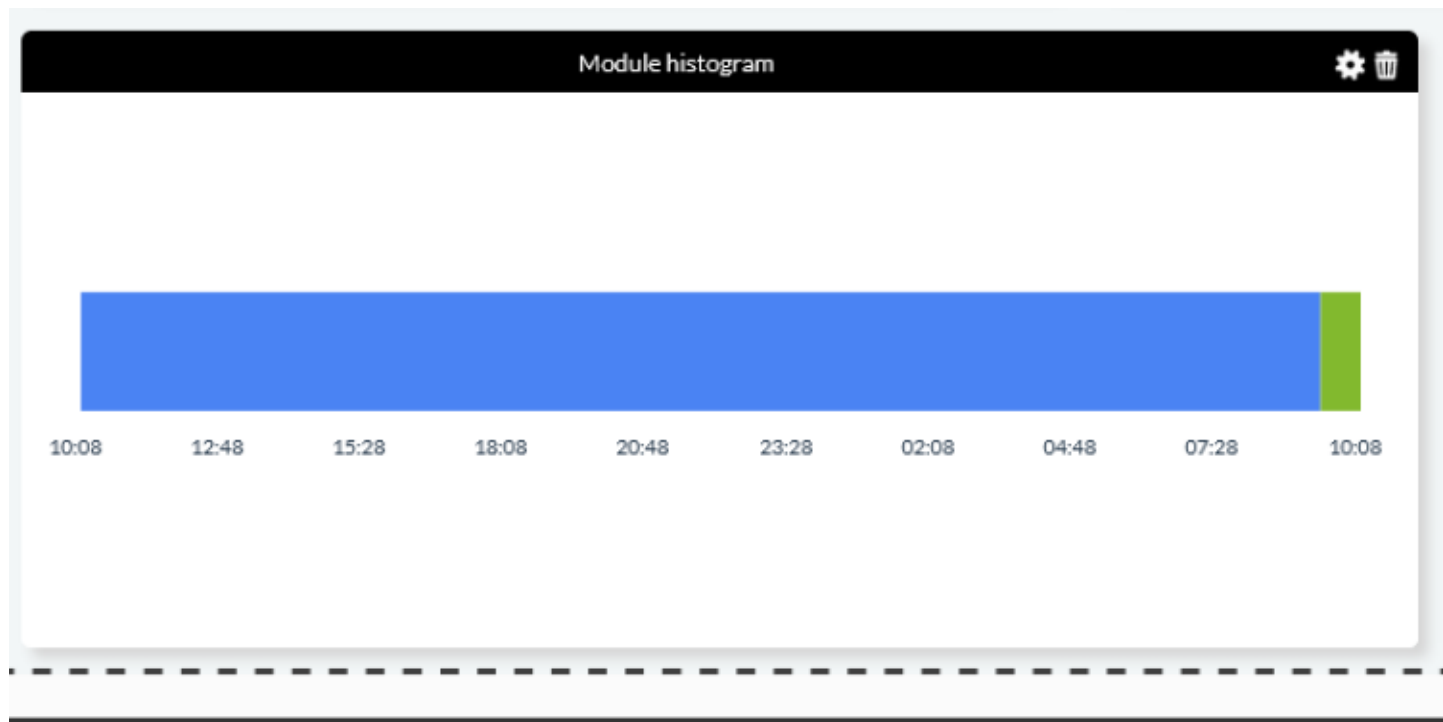
Configure widget ✕

Title	<input type="text" value="Module histogram"/>
Background	<input type="text"/> ⓘ
Label	<input type="text"/>
Agent	<input type="text"/> ⓘ
Module	<input type="text" value="None"/> ▼
Periodicity	<input type="text" value="1 hour"/> ▼
Text size of label in px	<input type="text"/>

↻

- Agent: Agent used to obtain the module list of the selected one.
- Module: Module that provides the historical data.
- Periodicity: Period covered by the module status history graph. Value between 1h and 48h.
- Text size of value in px: Pixel size for the value size. If not indicated, Pandora FMS will indicate it.

When saving the configuration through Update, the widget should look something like the one shown below.



Top N events per modules

To show the graph for top events per modules, based on the group, the following widget is used.



The configuration options are:

Configure widget [X]

Title Top N events by module

Background [Color picker]

Amount to show 10

Max. hours old 8

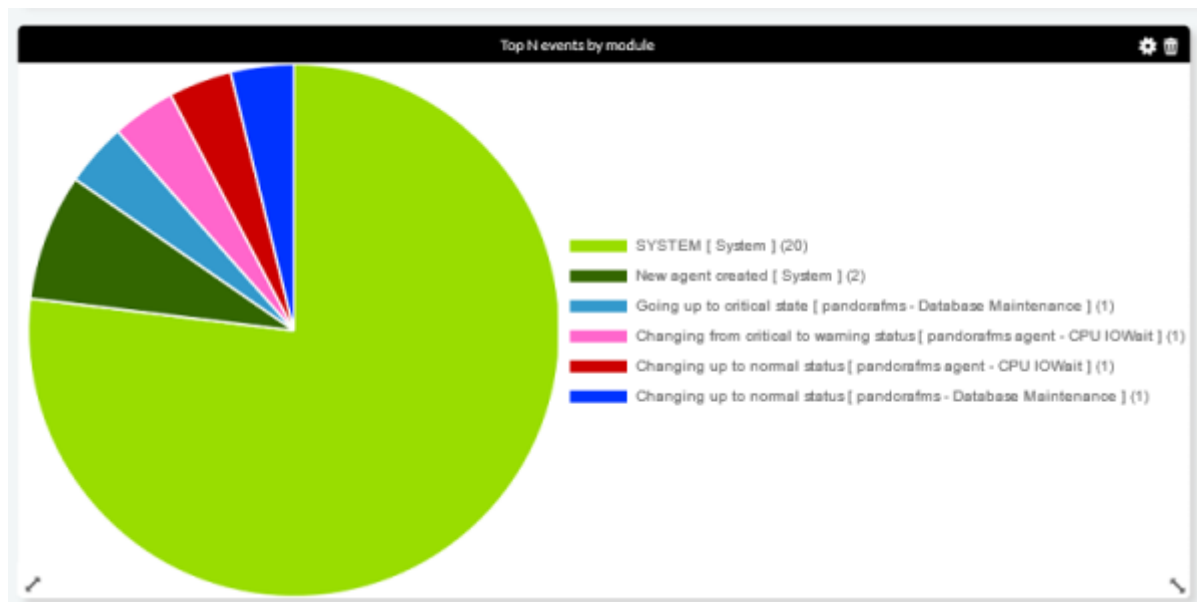
Groups [List: All]

Legend position Bottom [Dropdown]

[Cancel] [Ok]

- Amount to show: Amount of event types.
- Max. hours old: Time (in hours) where the existing events to show will be taken into account.
- Groups: Agent groups to include.
- Legend position: Graph key position.

When saving the configuration, the widget should look something like the one below.

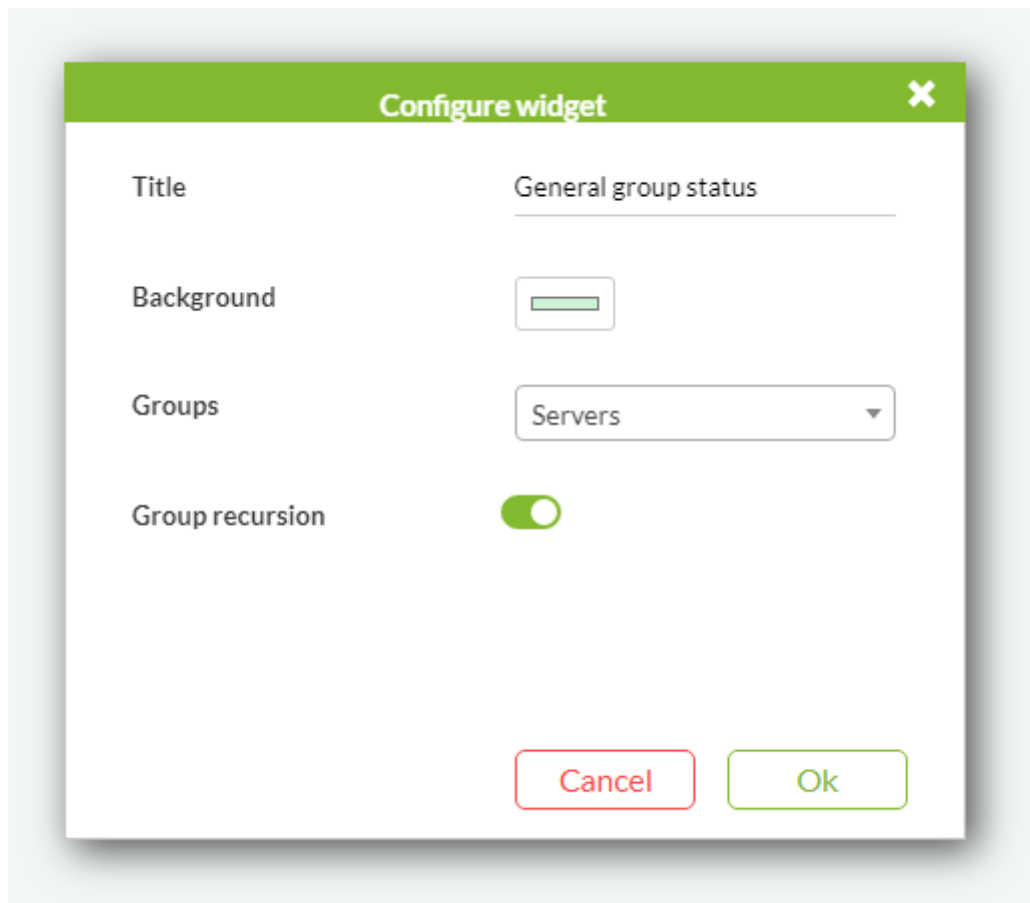


Group Status Report

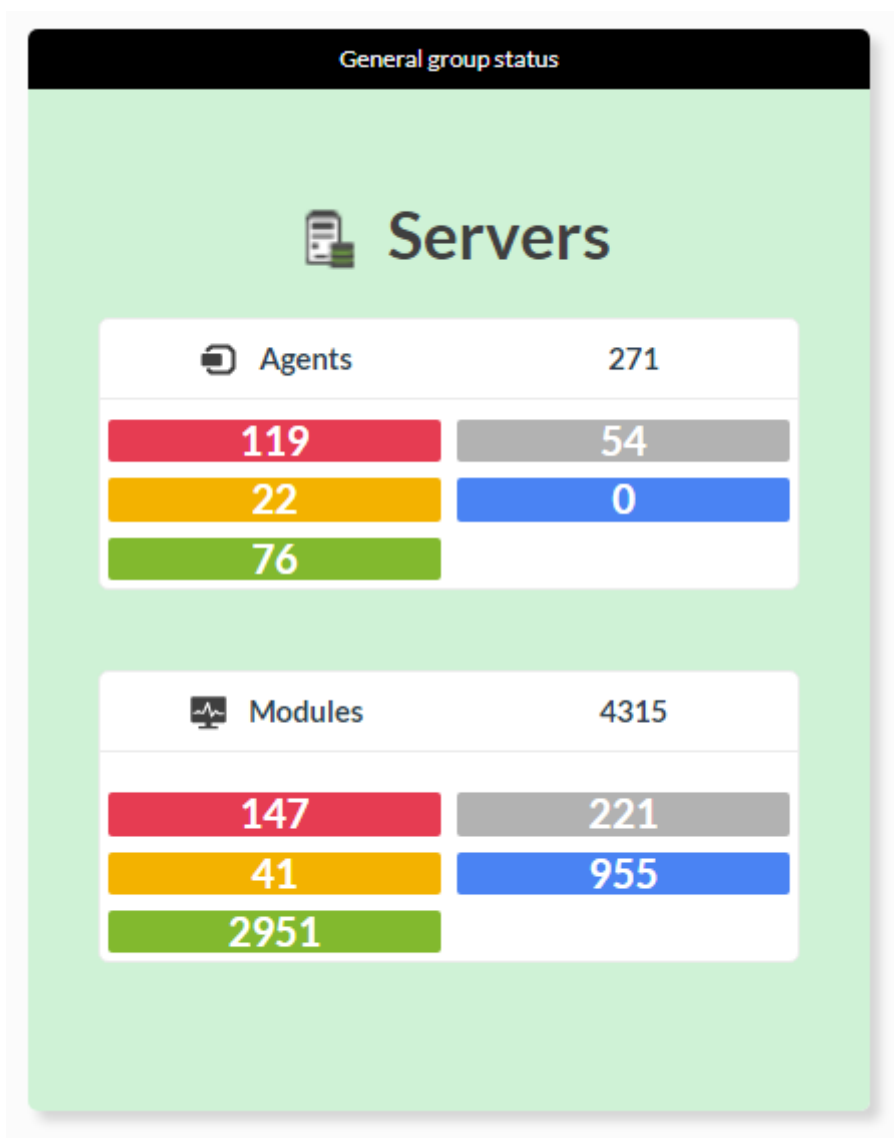
This widget shows the selected Pandora FMS group status, pointing out the total amount of agents and modules within that group as well as an organized counting by its state. To add this widget, click on the following icon:



In the configuration window you may configure the group to be displayed (from version 764 onwards you have the Group recursion option to recursively display the subgroups of the selected group):



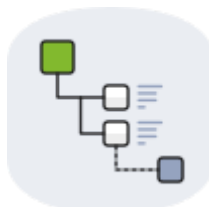
Once configured as explained in previous sections, the resulting widget will be something similar to this:



Once the widget is created, you may access the corresponding group by clicking on its name.

Show tree graph view

To show the tree graph view, use the following widget:



This widget will show the default tree graph view without the need to modify configuration options. However, there are some things that can be modified if you wish so. The settings options are:

Configure widget [X]

Title

Background

Type tree

Groups

Open all groups

Agents status

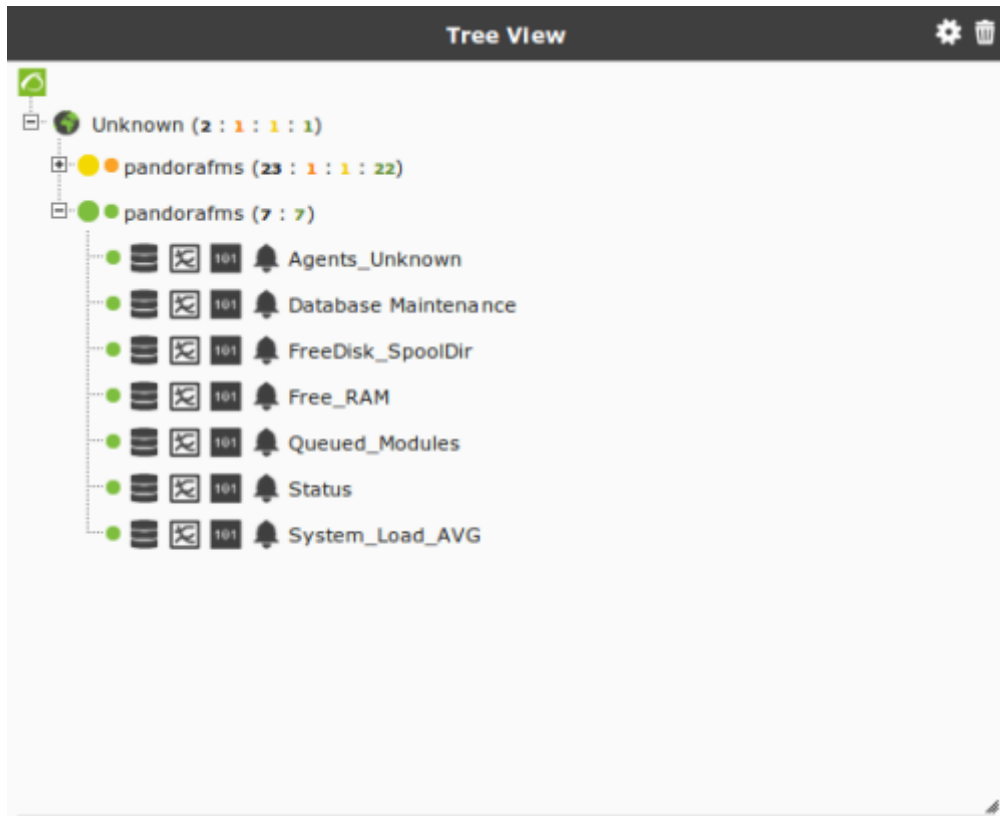
Filter agents

Modules status

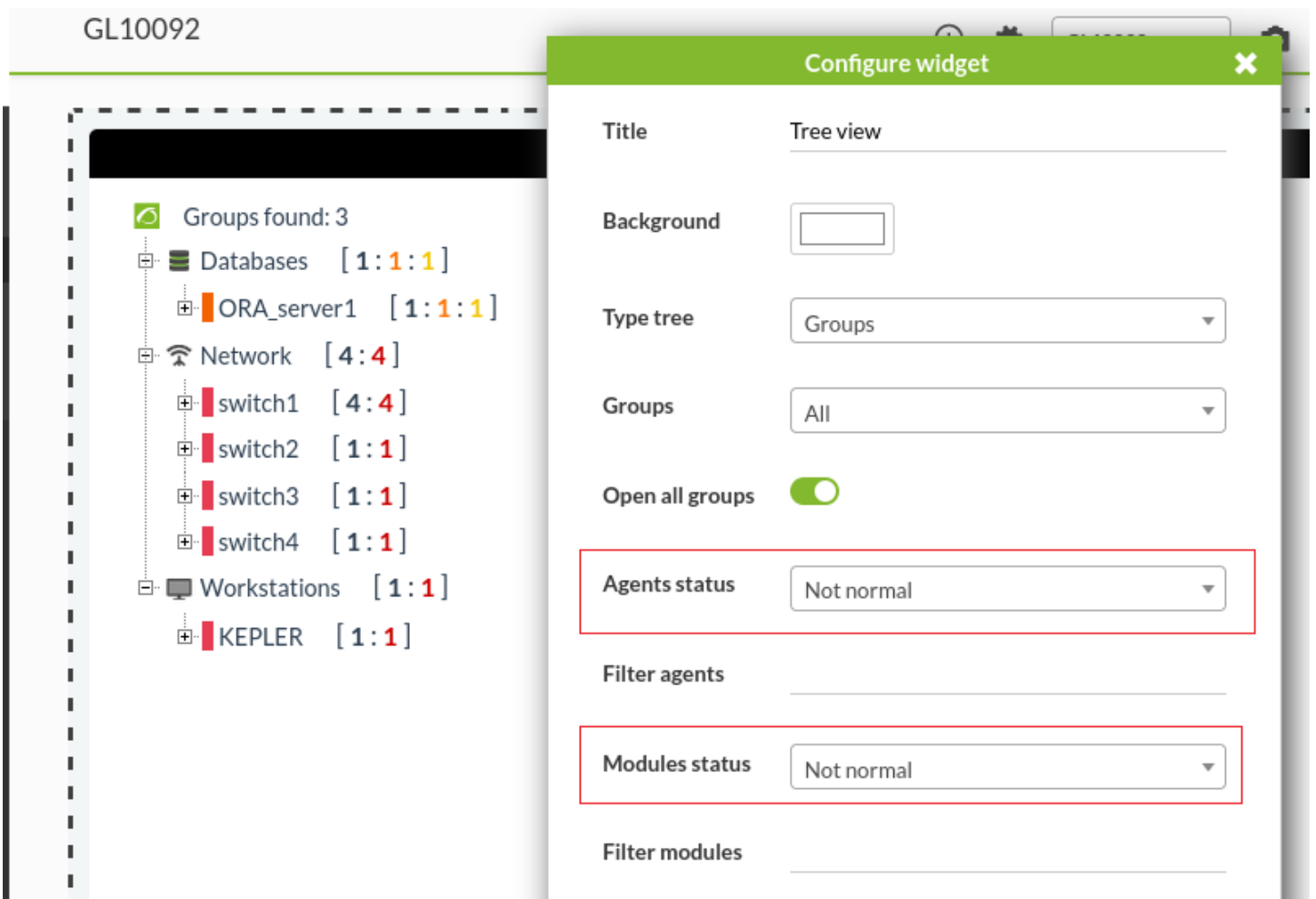
Filter modules

- Type tree: Tree view grouped by **tags**, (**policies**), etc.
- Groups: Desired group/s whose information will be shown.
- Open all groups: If checked, the tree view will have all branches expanded as selected (Groups, Module groups, OS, Policies or Tags).
- Agents status: Filter by agent status (*in version 771 or later you can also filter by triggered alert*).
- Filter Agents: Filter by agent name.
- Modules status: Filter by module status (*in version 771 or later you can also filter by triggered alert*).
- Filter modules: Filter modules by name.

When saving the configuration, the widget should look similar to the one shown below.



NG 770 version or later.



- In node you may filter both by Agents status and Module status with the condition Not normal which includes the Warning and Critical statuses at the same time.
- In Command Center (Metaconsole) you may only filter by Not normal in Agents status.

The screenshot displays the Pandora FMS interface with a 'Tree view' widget and its configuration window. The 'Tree view' widget shows a hierarchical structure of groups and agents:

- Groups found: 3
- Databases [1 : 1 : 1]
 - ORA_server1 [29 : 1 : 1 : 28]
- Network [4 : 4]
 - switch1 [12 : 2 : 8 : 2]
 - switch2 [12 : 1 : 8 : 3]
 - switch3 [12 : 4 : 8]
 - switch4 [12 : 2 : 8 : 2]
- Unknown [1 : 1]
 - nodo-1-pandorafms [75 : 1 : 74]

The 'Configure widget' dialog box is open, showing the following configuration options:

- Title: Tree view
- Background: [Empty field]
- Type tree: Groups
- Groups: All (with a tooltip showing 'Groups')
- Open all groups:
- Agents status: Not normal (highlighted with a red box)
- Filter agents: [Empty field]

Buttons: Cancel, Ok

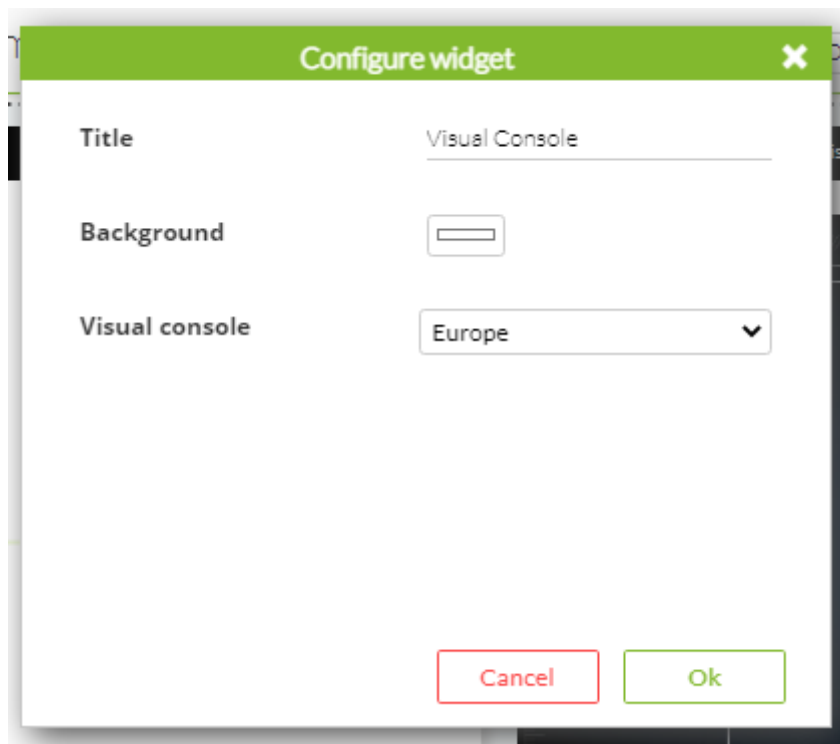
The Visual Console's Map

This version is supported in desktop screens only for now.
Maps must be previously created in Topology maps → Visual console.

Click on the icon shown below in order to add a map from Pandora FMS visual console.



Item configuration window:



Choose a map, among those created, in the Visual console combo and click Ok. Wait a little. Adjust the size to the appropriate measures according to the screen size where the visual map will be displayed.



Visual maps report

In order to add a report containing Pandora FMS visual maps, click on the following icon:



Item configuration window:

A screenshot of a 'Configure widget' dialog box. The title bar is green with a white 'x' icon. The dialog has three sections: 'Title' with the text 'General visual maps report', 'Background' with a small white box, and 'Maps' with a list box. The list box contains the following items: 'Basque Country', 'Catalonia', 'CPD Agent Status' (highlighted in green), 'Demo visual console', 'Demo visual console 2', 'Europe', 'France', 'Germany', 'Madrid', and 'My Network Agent Status' (highlighted in green). At the bottom are 'Cancel' and 'Ok' buttons.

Select a visual console in Maps. You may select several if you press CTRL while you click on each of the desired visual consoles. Click OK and the report with the selected data will be created:

General visual maps report

CPD Agent Status



My Network Agent Status



This list will show a green rectangle (OK) if everything in the console is in normal status, but if one of the modules is in any of the other possible states, it will be red (BAD).

If you click on the map's name, you will access the map within the visual console.





Show icon and module value

To show the icon and a module value, use the following widget.



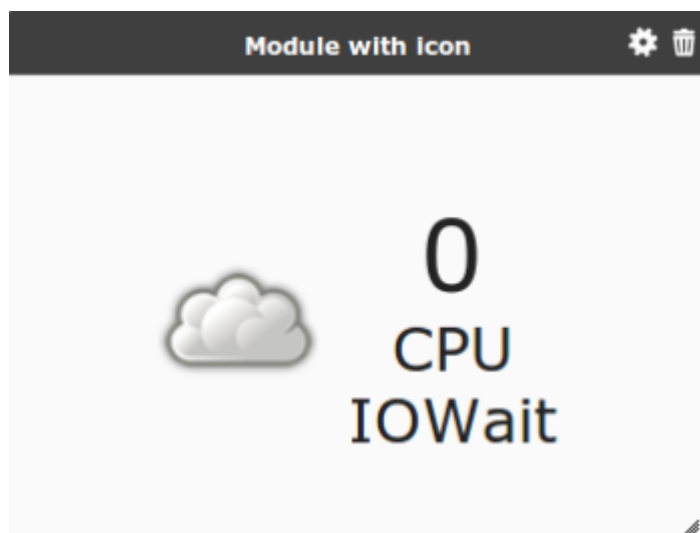
The settings options it shows are:

Configure widget

Title	Icon and module value
Background	<input type="text"/>
Label	<input type="text"/>
Agent	<input type="text"/> 
Module	Select an Agent first 
Icon	_ball 
	
Text size of value in px	20
Text size of label in px	20
Size of icon	70

- Label: Text label to be shown.
- Agent: Agent used to obtain the module list of the selected one.
- Module: Module used to obtain the data to be shown.
- Icon: Icon displayed on the widget.
- Text size of value in px and Text size of label in px: Size in pixels of text value and tag accordingly. If nothing is specified, Pandora FMS default one will be indicated.
- Size icon: Icon size, default icon size if nothing is specified.

When saving the configuration, the widget should look something like the one shown below.



Show module status

To display the module value, use the following widget represented by the following icon:



Setting options:

Configure widget

Title Module status

Background

Label

Agent

Module Select an Agent first

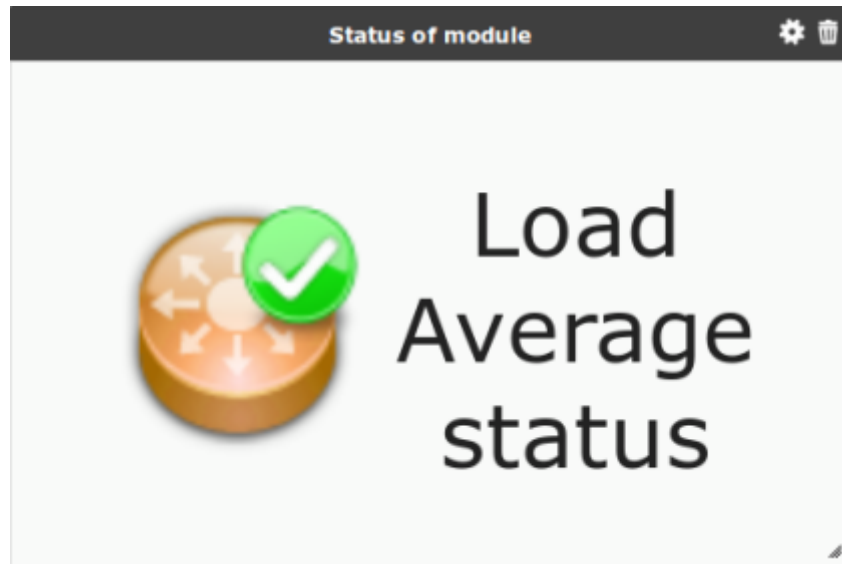
Icon appliance

Text size of label in px 20

Size of icon 70

- Agent: Agent used to obtain the module list of the selected one.
- Module: Module used to obtain status for the image.
- Icon: Icon shown in the widget that reflects changes in module status.
- Text size of label in px: Pixel size for the label size. If no size is displayed, Pandora FMS will specify it.
- Size icon: Icon size.

When saving the configuration, the widget should look something like the one shown below.

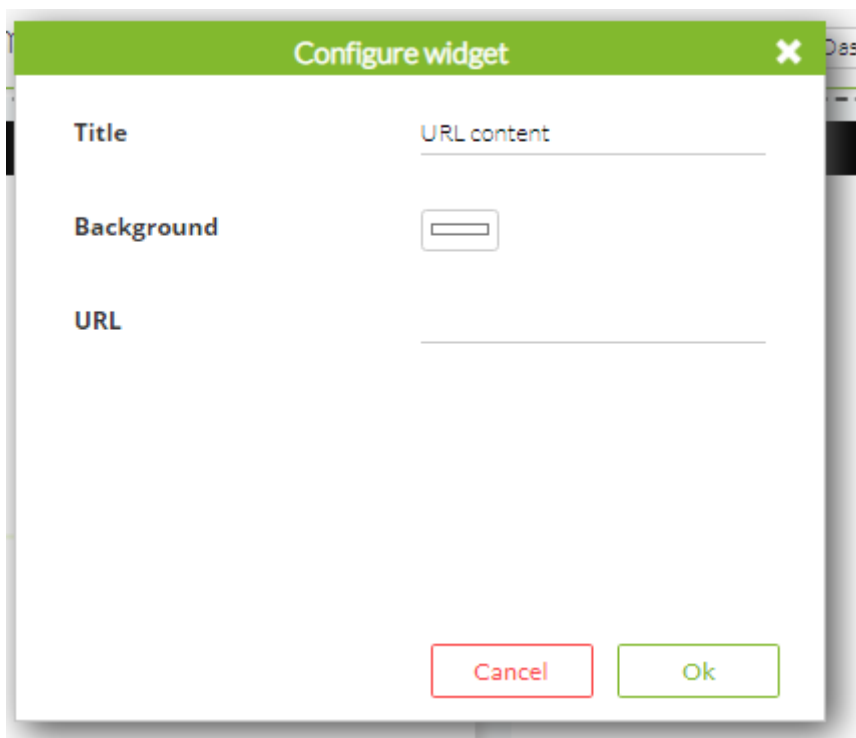


See URL content

In order to have the URL content displayed in Pandora FMS, click on the icon shown on the picture below.



Item configuration window:



Within the configuration window, the following parameters must be configured:

- URL: The combo where agent web address of the website to be shown must be included. By clicking Ok and loading the page, it will show something like this:

The screenshot shows the Wikipedia article for Pandora FMS. The page title is "Pandora FMS" and it is categorized as "From Wikipedia, the free encyclopedia". The article text describes Pandora FMS as a Flexible Monitoring System for monitoring computer networks, servers, applications, and hardware systems. It mentions that Pandora FMS allows visual monitoring of the status and performance of several parameters from different operating systems, servers, applications, and hardware systems such as firewalls, proxies, databases, web servers, or routers. The article also states that Pandora FMS can be deployed in almost any operating system. The article is attributed to Sancho Lerena Urrea and Ártica.

Pandora FMS
Flexible Monitoring System) is software for monitoring computer networks.^[3] Pandora FMS allows the visual monitoring of the status and performance of several parameters from different operating systems, servers, applications and hardware systems such as firewalls, proxies, databases, web servers or routers.

Pandora FMS can be deployed in almost any operating system. It

Pandora FMS
PANDORAFMS
 COMMUNITY

Pandora FMS tactical Screen

Original author(s) Sancho Lerena Urrea ^[1]
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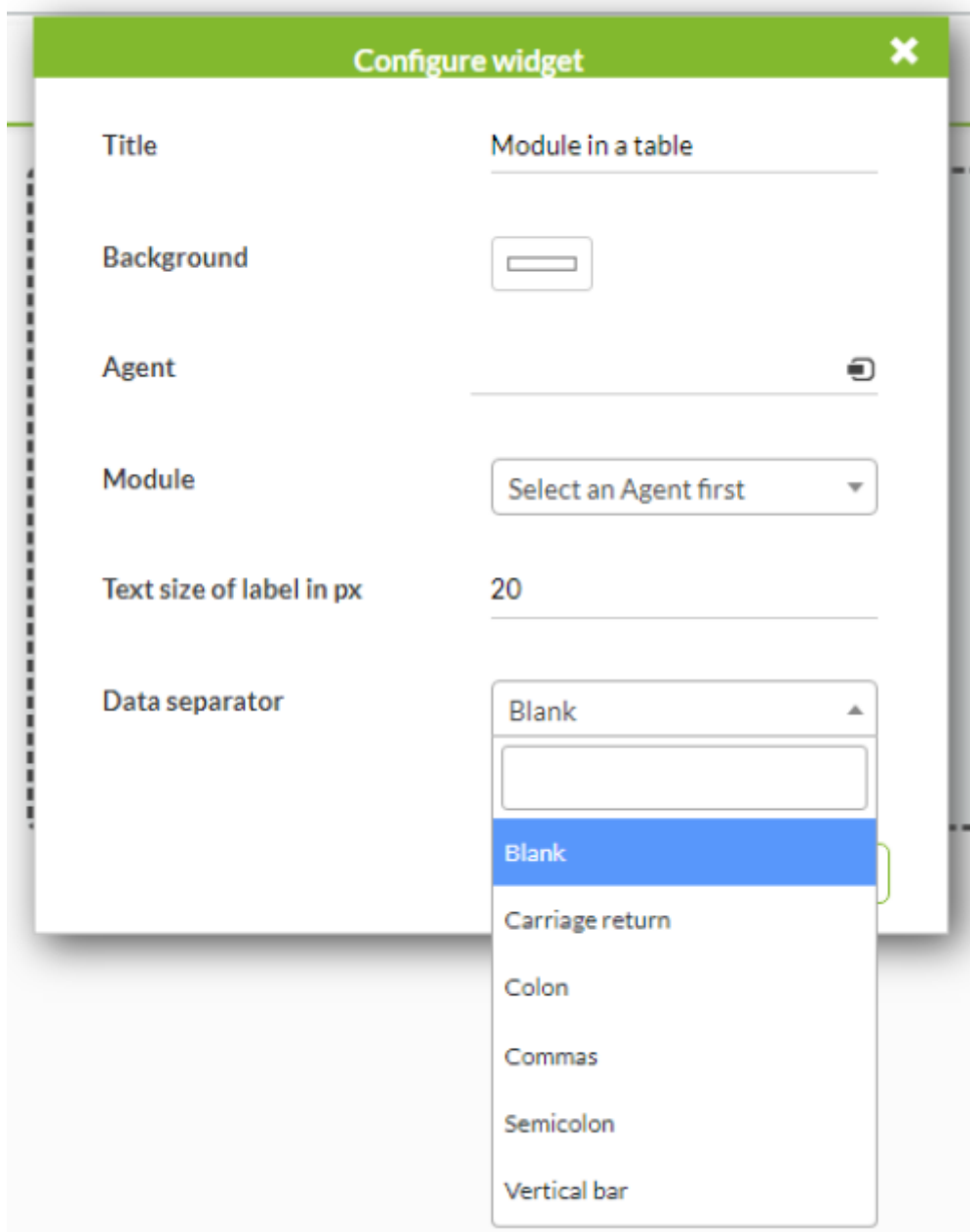
Bear in mind that the website must match the size of the cell that hosts the widget or have **responsive web design** technology. Likewise, pay attention to the *iFrame* or boxes you have and in addition the possible links that use HTTP instead of HTTPS (encrypted content).

Show the module value as a chart

To show the module value use the following widget.



The setting options it shows are:



The screenshot shows a 'Configure widget' dialog box with the following settings:

- Title:** Module in a table
- Background:** [Color selection box]
- Agent:** [Selection box] [Refresh icon]
- Module:** Select an Agent first
- Text size of label in px:** 20
- Data separator:** Blank (selected), Carriage return, Colon, Commas, Semicolon, Vertical bar

- Agent: Agent chosen to obtain the module list of the selected one.
- Module: Module used to obtain the data to be shown.
- Text size of value in px: Pixel size for value size. If no value is indicated, Pandora FMS will specify it.
- Data separator: Separator to generate different lines. Possible options are: carriage return, vertical bar, semi-colon, colon, comma, space.

When saving the configuration, the widget should look something like the one shown below.

Show module value in a table ⚙️ 🗑️

USER	PID	%CPU	MEM	VSZ	RSS	TTY	STAT	START	TIME	COMMAND
root	1	0.0	0.0	11368	2464	?	Ss	May00	0:00	/bin/bash /tmp/pandora enterprise/tests/local_install.sh
root	97	0.0	0.0	12096	3832	?	S	May00	0:00	/bin/sh /usr/bin/mysqld_safe --datadir=/var/lib/mysql --socket=/var/lib/mysql/mysql.sock --pid-file=/var/run/mysqld/mysqld.pid --basedir=/usr --user=mysql
mysql	199	0.2	0.5	2213592	69932	?	Ss	May00	3:10	/usr/libexec/mysqld --basedir=/usr --datadir=/var/lib/mysql --user=mysql --log-error=/var/log/mysqld.log --pid-file=/var/run/mysqld/mysqld.pid --socket=/var/lib/mysql/mysql.sock
apache	242	0.0	0.4	312096	58056	?	S	May00	0:17	/usr/sbin/httpd
apache	243	0.0	0.4	319400	54316	?	S	May00	0:15	/usr/sbin/httpd
apache	244	0.0	0.3	315044	48188	?	S	May00	0:15	/usr/sbin/httpd
apache	245	0.0	0.3	316448	48864	?	S	May00	0:11	/usr/sbin/httpd
apache	246	0.0	0.2	290228	38340	?	S	May00	0:16	/usr/sbin/httpd
apache	247	0.0	0.2	293072	25192	?	S	May00	0:13	/usr/sbin/httpd
apache	248	0.0	0.4	318752	58800	?	S	May00	0:20	/usr/sbin/httpd
apache	249	0.0	0.4	313088	59560	?	S	May00	0:15	/usr/sbin/httpd
pandora	920	0.0	0.0	129368	11384	?	Ss	May00	0:01	/usr/bin/perl /usr/bin/tentacle_server -s 0.0.0.0 -p 41121 -s /var/spool/pandora/data_in -i.*.conf:conf:*.md5:md5:*.zip:collections:*.lock:trass -d -l /dev/null -v
root	1159	0.0	0.0	13032	3992	?	S+	May00	0:00	/bin/bash
apache	2515	0.0	0.4	318876	58828	?	S	May00	0:16	/usr/sbin/httpd
apache	2629	0.0	0.2	300184	32320	?	S	May00	0:11	/usr/sbin/httpd
root	26244	16.3	5.0	3118428	716964	?	Ssl	19:40	0:01	/usr/bin/perl /usr/bin/pandora_server /etc/pandora/pandora_server.conf -D
root	26380	1.0	0.0	50380	9192	?	SN	10:48	0:00	/usr/bin/perl /usr/bin/pandora_agent /etc/pandora
root	26455	0.0	0.0	10788	2456	?	SN	19:40	0:00	sh -c ps aux head -n 20 2> /dev/null

Show module value

To show the module value view use the following widget.



The setting options are:

Configure widget ✕

Title

Background

Label

Agent

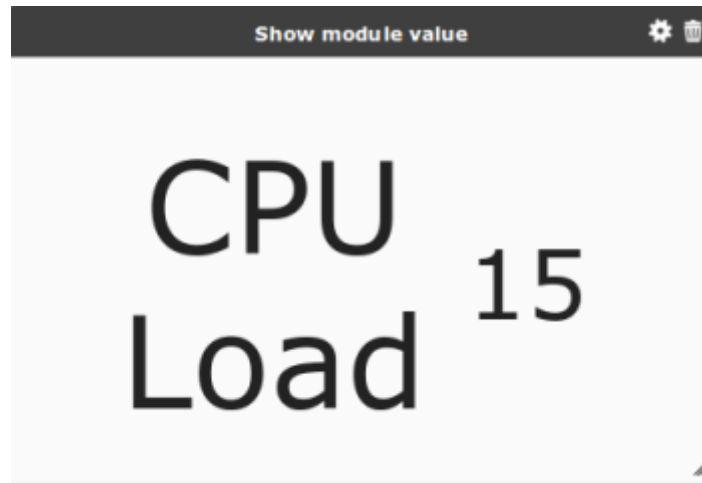
Module

Text size of value in px

Text size of label in px

- Agent: Agent used to obtain the module list of the selected one.
- Module: Module used to obtain the data to be shown.
- Text size of value in px and Text size of label in px: Size in pixels of text value and tag accordingly. If nothing is specified, Pandora FMS sets the default one.

When saving, the widget should look something like the one shown below.

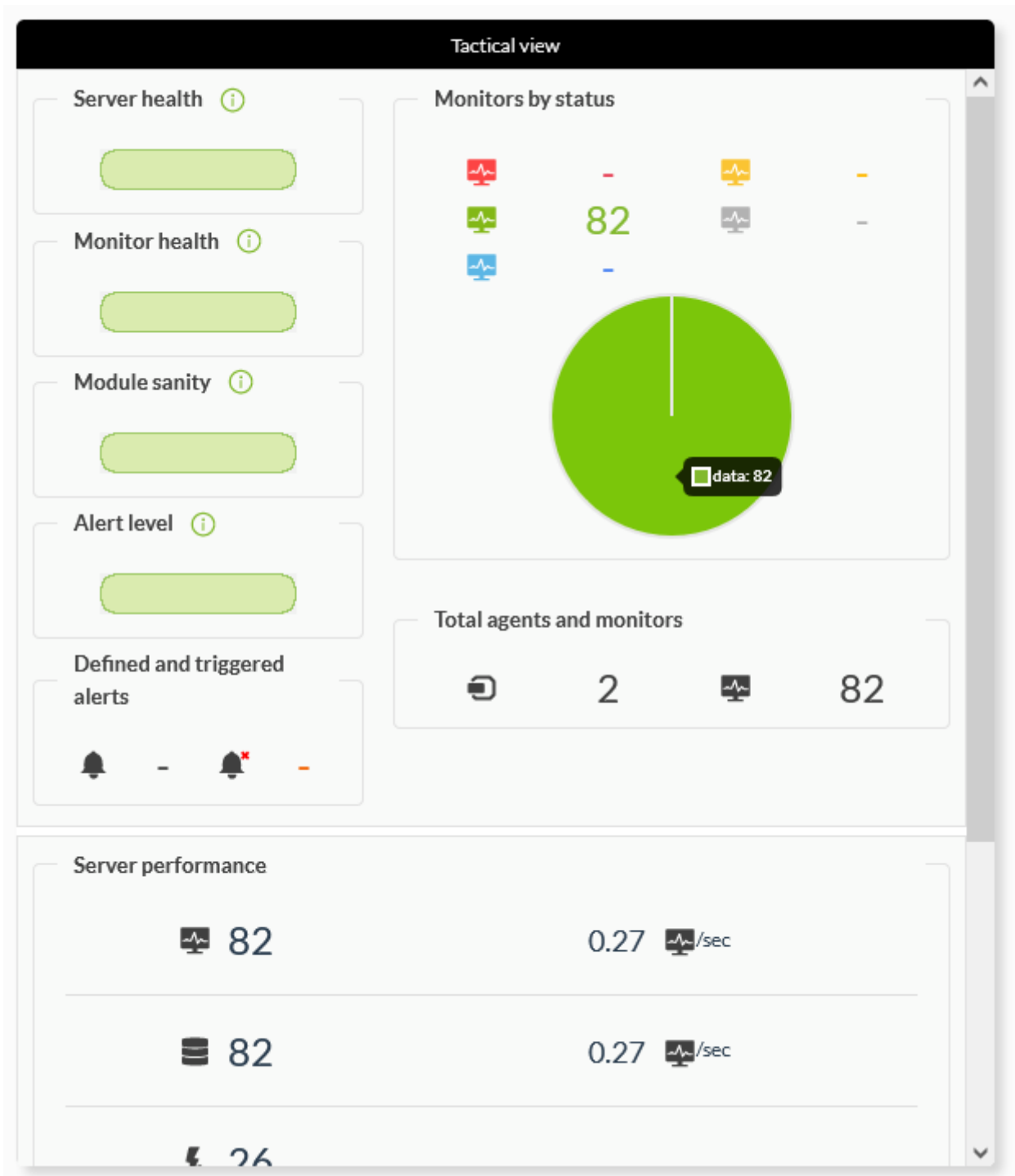


System status

To add a report with Pandora FMS monitors status, click on the following icon:



The item with all the information about the current system status is displayed automatically.



Network Map

This type of element is not compatible with another network map or with a services map in the same dashboard

E In order to add a Pandora FMS network map, click on the icon:



General visual maps report

Item configuration window:

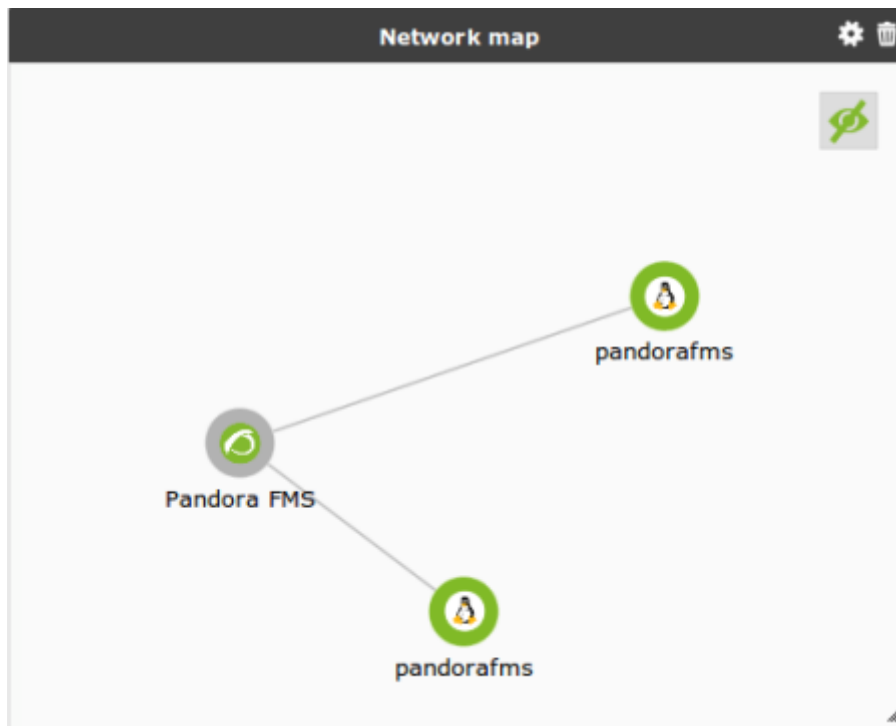
Configure widget ✕

Title	<input type="text" value="Network map"/>
Background	<input type="text"/> i
Map	<input type="text" value="None"/> ▼
X offset	<input type="text" value="0"/> i
Y offset	<input type="text" value="0"/> i
Zoom level	<input type="text" value="0.5"/> i

↻

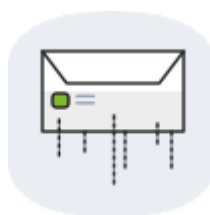
- Map: Combo where the network map is selected.
- X offset and Y offset: Amount that moves along the X and Y axis, negative numbers are accepted.
- Zoom level: Level of focus on the network map.

If you click Update, a window the one shown below will appear.

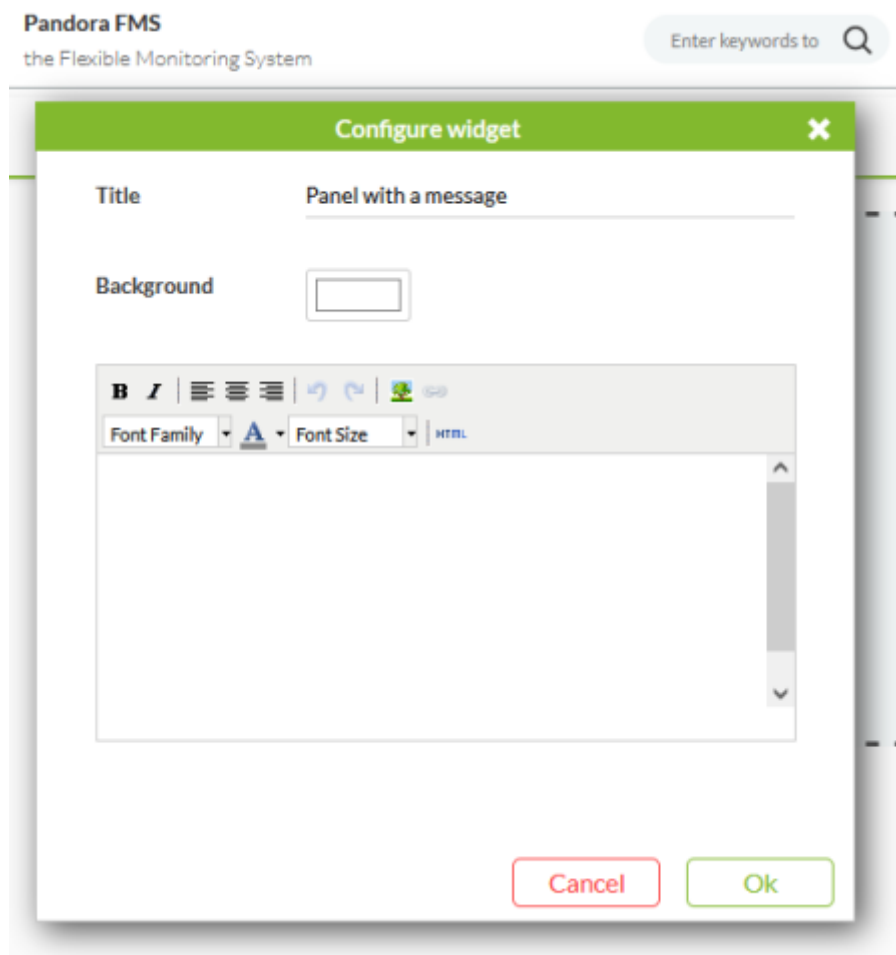


Message panel

In order to add a Pandora FMS message panel, click on the icon shown below.



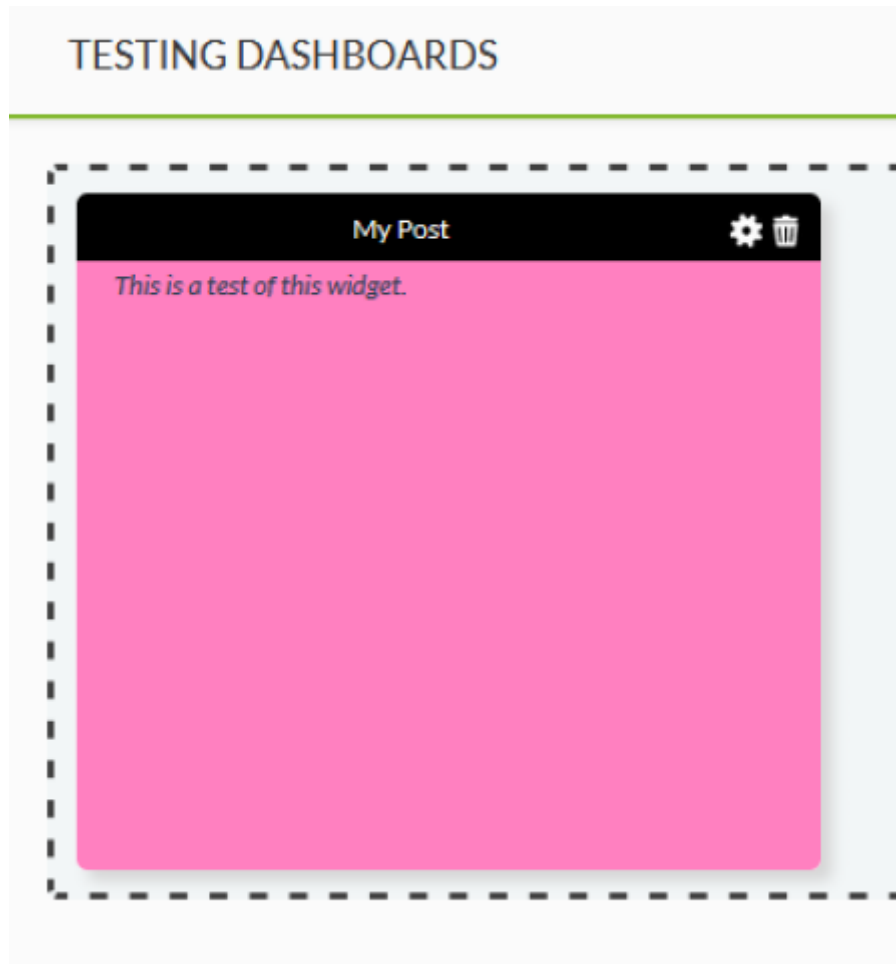
Item configuration window:



- Text: A free-text field containing the message itself.

If you click Update, a window like the one below will appear.

TESTING DASHBOARDS



Custom reports

In order to add custom reports in Pandora FMS, click on the icon shown below.



Item configuration window:

Configure widget ✕

Title

Background i

Report ▼

↻

- Report: Choose the report, which must be previously created and contains the widget.

Click Update:

Report ⚙️ 🗑️

Generated: May 8, 2017, 5:20 pm
Report date: May 8, 2017, 5:20 pm
Description:

ewrwrwrw pandorafms
(7 days) From: May 1, 2017, 5:20 pm
To: May 8, 2017, 5:20 pm

Total events: 15

Status	Name	Type	Severity	Value	Timestamp
✓	Module 'CPU IOWait' is going to NORMAL (3)		Normal	System	May 8, 2017, 3:14 pm
✓	Module 'CPU IOWait' is going to WARNING (14)		Warning	System	May 8, 2017, 3:09 pm
✓	Module 'CPU IOWait' is going to NORMAL (0)		Normal	System	May 8, 2017, 2:54 pm
✓	Module 'CPU IOWait' is going to WARNING (13)		Warning	System	May 8, 2017, 2:49 pm
✓	Module 'CPU IOWait' is going to NORMAL (1)		Normal	System	May 8, 2017, 2:29 pm
✓	Module 'CPU IOWait' is going to CRITICAL (20)		Critical	System	May 8, 2017, 2:19 pm
✓	Module 'CPU IOWait' is going to NORMAL (0)		Normal	System	May 8, 2017, 2:04 pm
✓	Module 'CPU IOWait' is going to WARNING (13)		Warning	System	May 8, 2017, 1:59 pm
✓	Module 'CPU IOWait' is going to NORMAL (0)		Normal	System	May 8, 2017, 12:34 pm
✓	Module 'CPU IOWait' is going to WARNING (10)		Warning	System	May 8, 2017, 12:29 pm
✓	Module 'CPU IOWait' is going to NORMAL (2)		Normal	System	May 8, 2017, 11:54 am

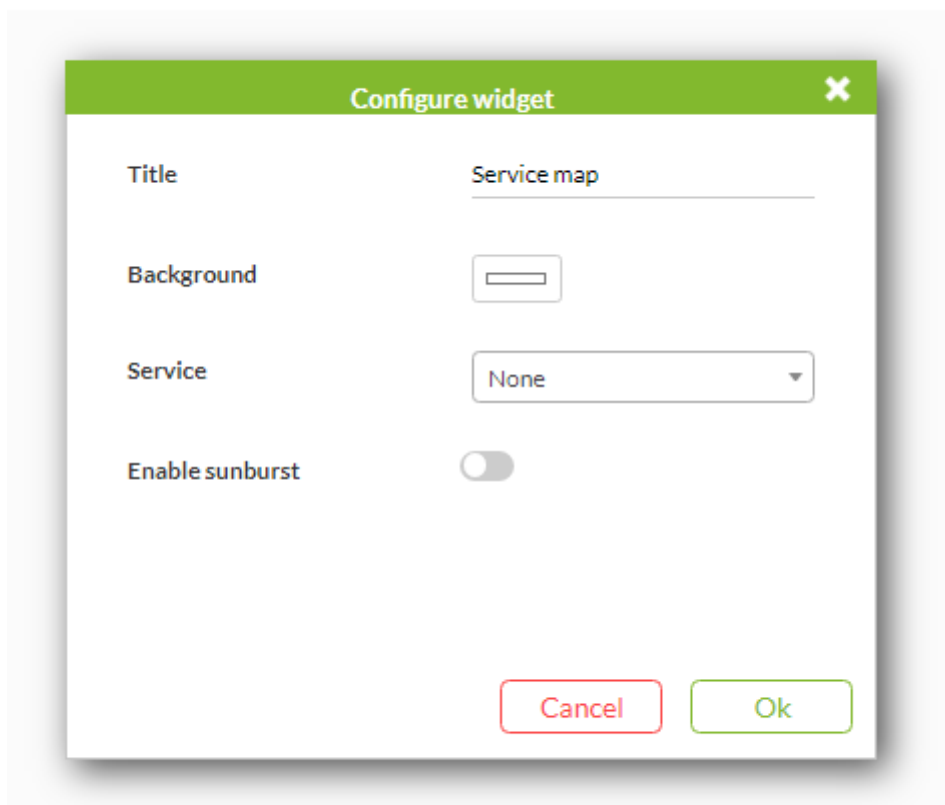
Showing a service map

This type of element is incompatible with another service map or with a network map in the same dashboard.

E To show a service map use the following widget.

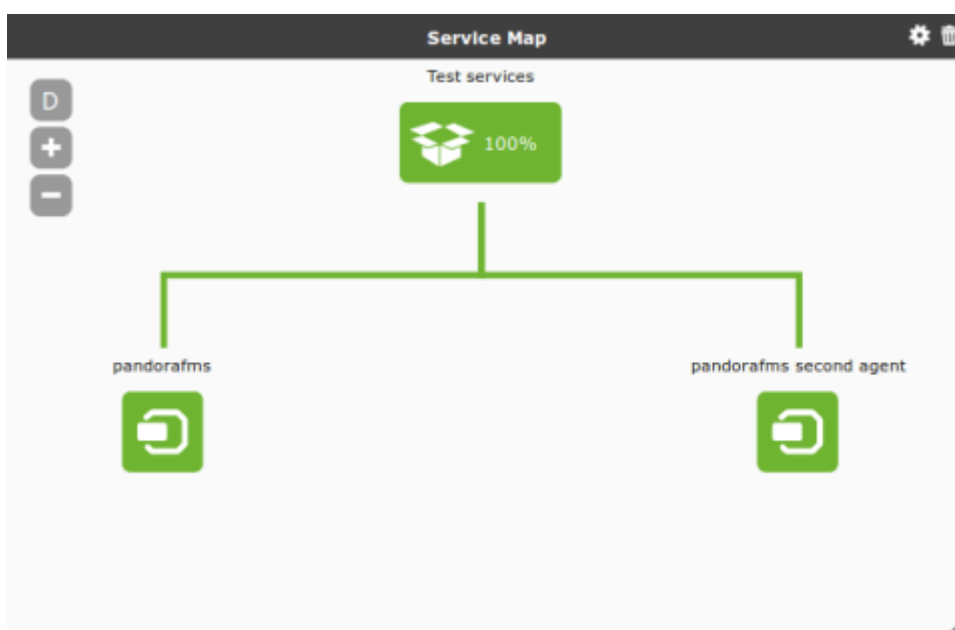


Settings options:

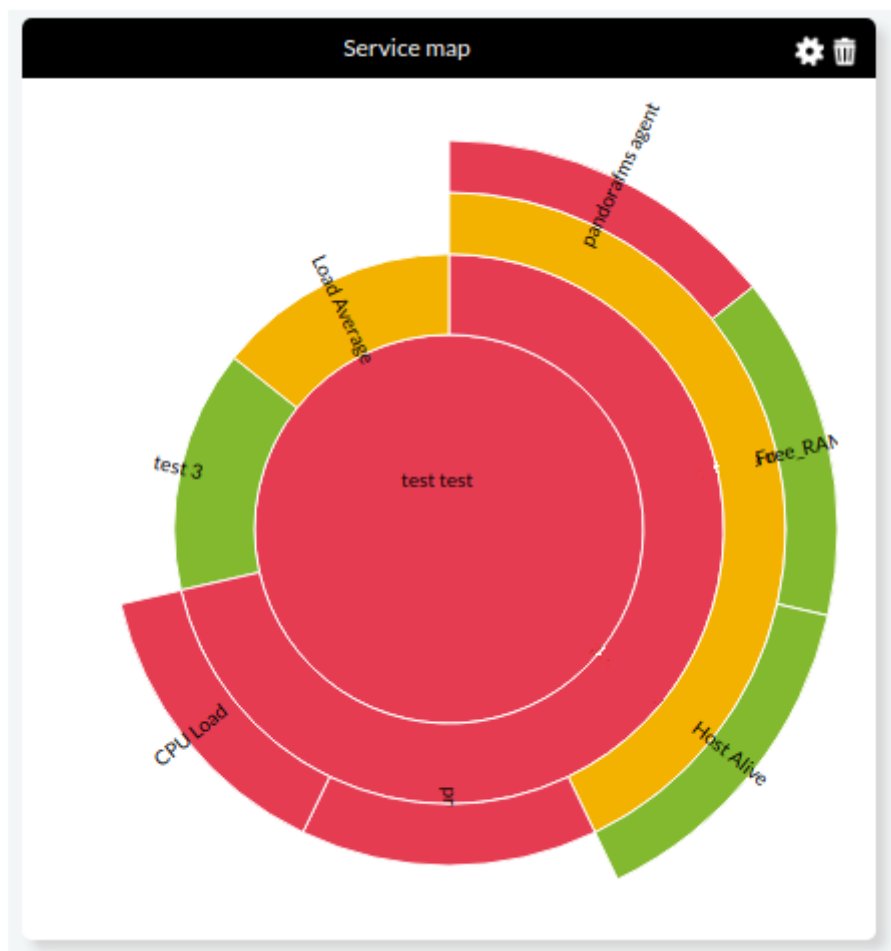


- Service: Service to be shown. It must have been previously created in the [service section](#).
- Legend: If you want a graph legend.
- Enable sunburst: Allows you to enable a view that diverges from a central point.

When saving the configuration, the widget should look something like the one below.



In case you have configured sunburst you will see something similar to the following:



Agent module graph

To add a graph for an agent module in Pandora FMS, click on the following icon:



Item configuration screen:

Configure widget

Title: Agent module graph

Background: []

Agent: []

Module: None

Show full legend:

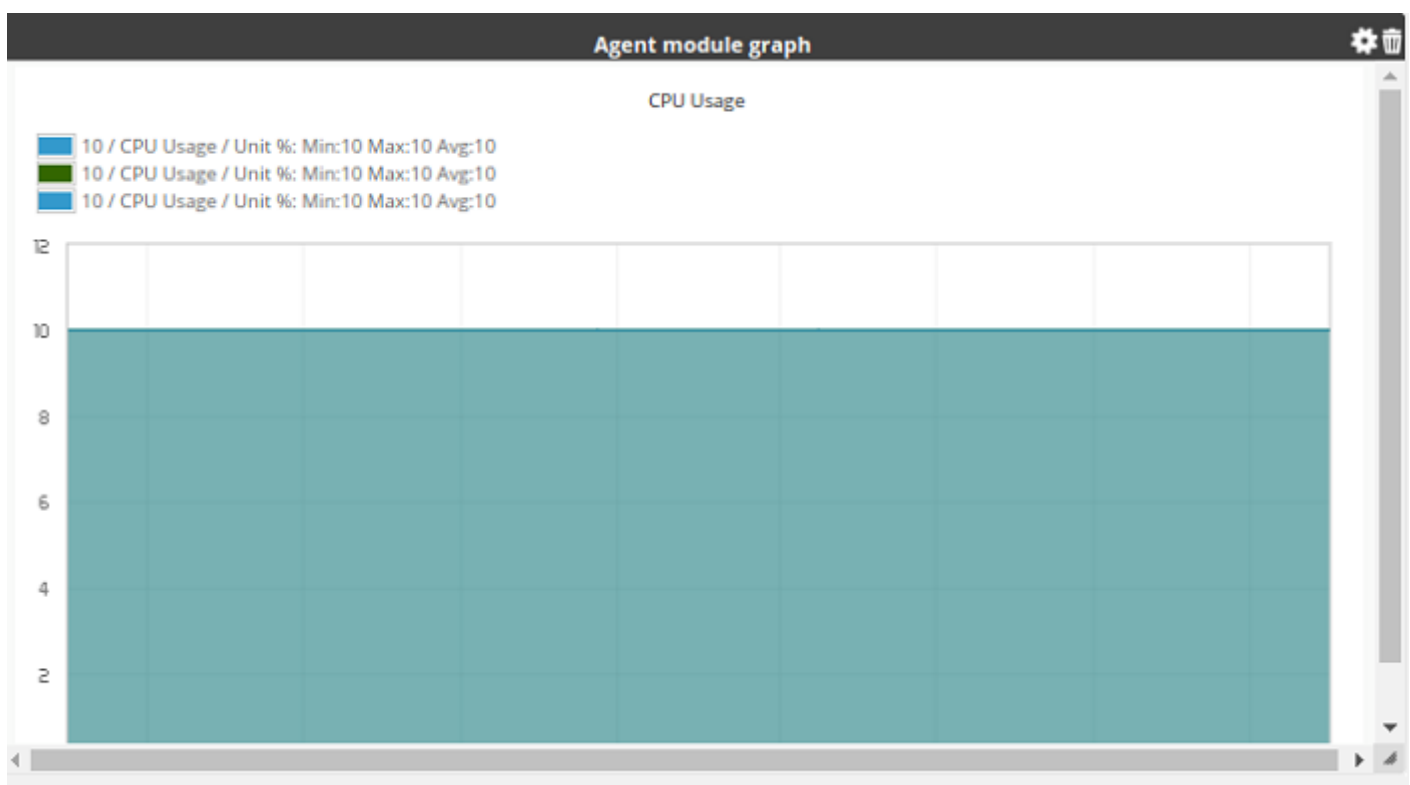
Periodicity: 5 minutes

Graph colour: #3399cc

Update

- Agent: Combo where the agent is chosen.
- Module: Combo where the agent module selected in the previous point is chosen.
- Show full legend: If the box is checked, the full legend will be displayed.
- Periodicity: Combo where the graph time period is set.
- Graph color: Define the colors graph's maximum, minimum and average. If Show full legend is not checked, only the graph's average will appear, so only that color will be used.

Click Update, which should provide a window like the following:



Show module SLA percentage

To show a list of selected agents and the modules, use this widget.



Setting options:

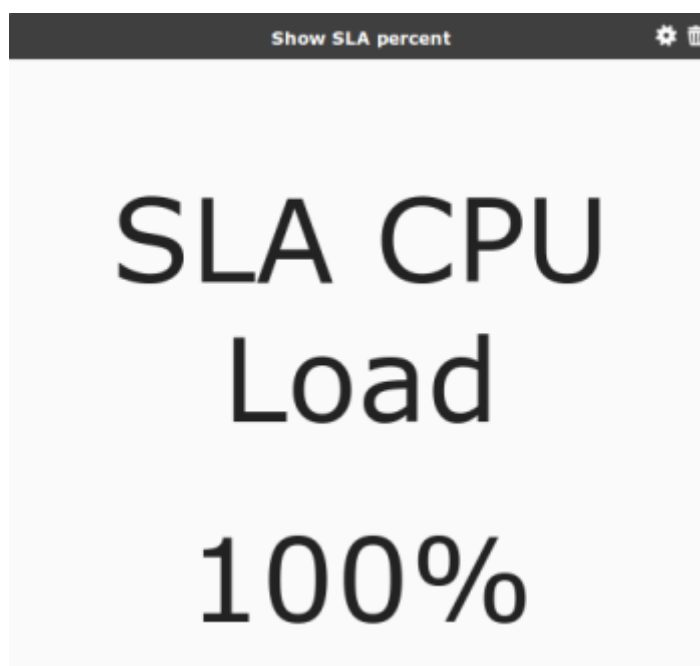
Configure widget
✕

Title	<input type="text" value="SLA percentage"/>
Background	<input type="text"/> ⓘ
Label	<input type="text"/>
Agent	<input type="text"/> ⓘ
Module	<input type="text" value="None"/>
Periodicity	<input type="text" value="1 hour"/>
Text size of value in px	<input type="text"/>
Text size of label in px	<input type="text"/>

↻

- Agent: Agent used to obtain the module list of the selected one.
- Module: Module that will provide the data for the selected module status history graph.
- Periodicity: Period on which the status history graph of the selected module will be made. The value to be selected must be between 1h and 48h.
- Text size of value in px and Text size of label in px: Value size in pixels for the value and the tag accordingly. If nothing is indicated, Pandora FMS will set the default one.

Click Update:

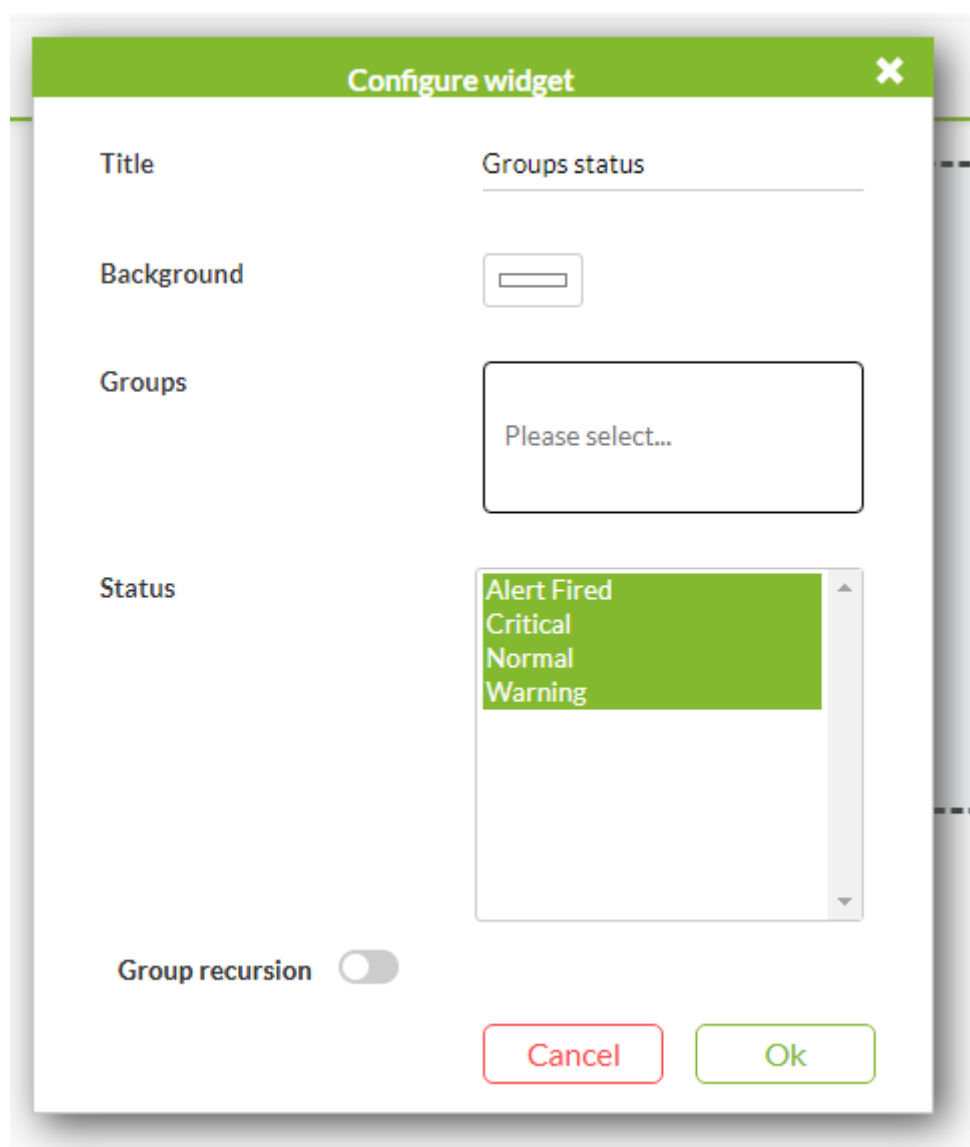


Group Status

This widget shows a table with the status of the selected groups:



Configuration window:



Configure widget [X]

Title: Groups status

Background: [Color selection box]

Groups: Please select...

Status: Alert Fired, Critical, Normal, Warning

Group recursion:

Cancel Ok

- Groups: Groups to be shown in the widget.
- Status: Status of the groups to be shown.
- Group recursion: Allows you to display the subgroups of the selected groups.

To view all groups select only the All group and activate the Group recursion button.

Click Ok, and a window like the following will appear:

Groups status				
Servers	2526	8	266	0
Firewalls	0	0	0	0
Databases	10	0	1	0
Network	0	0	0	0
Unknown	8	0	0	0
Workstations	0	0	0	0
Applications	1	0	1	0
Diego	10	0	4	0
Web	9	0	0	0
test	0	0	0	0

Tactical View

In order to add a tactical view of Pandora FMS, click on the icon shown below.



Configuration window:

Configure widget

Title

Background

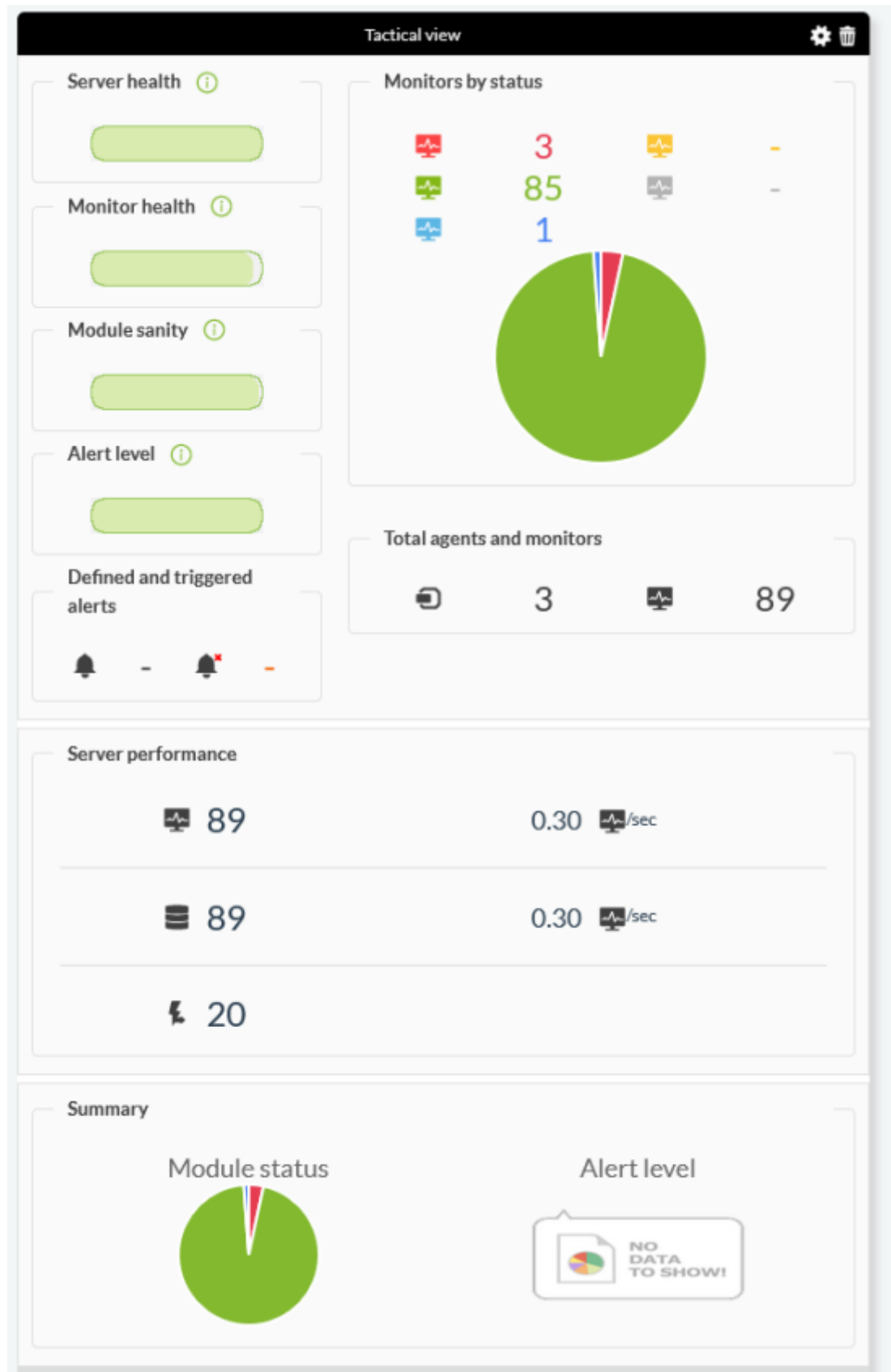
Status and Monitor checks

Server performance

Summary

- Status and Monitor Checks: General information on the modules.
- Server Performance: Summary of server statistics.
- Summary: Summary information about agents and modules.

Click Update:



Top Number of events per agent groups

To show the graph for top events for agents, use the following widget:



Setting options:

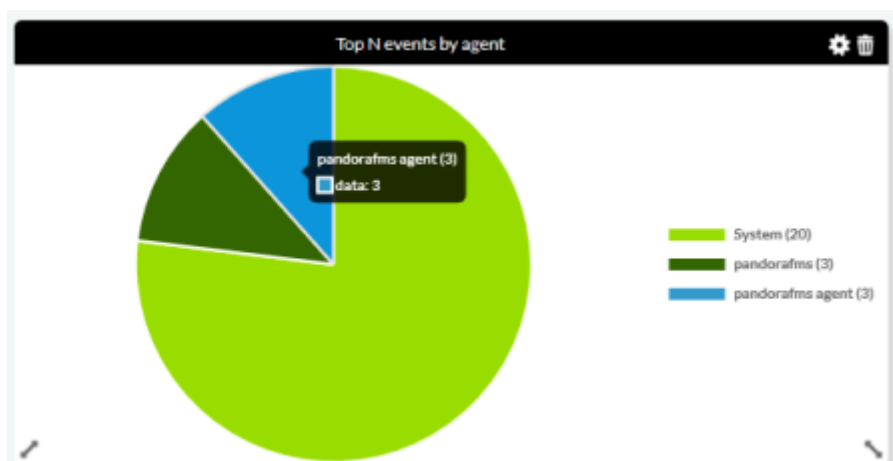
The 'Configure widget' dialog box for 'Top N events by agent' contains the following settings:

Field	Value
Title	Top N events by agent
Background	[Color selection box]
Amount to show	10
Max. hours old	8
Groups	All
Legend position	Bottom

Buttons: Cancel, Ok

- Amount to show: Amount of agents.
- Max. hours old: Time during which existing events shown will be taken into account.
- Groups: Agent groups to be included.
- Legend position: Graph legend position.

When saving the configuration, the widget will look something like this:

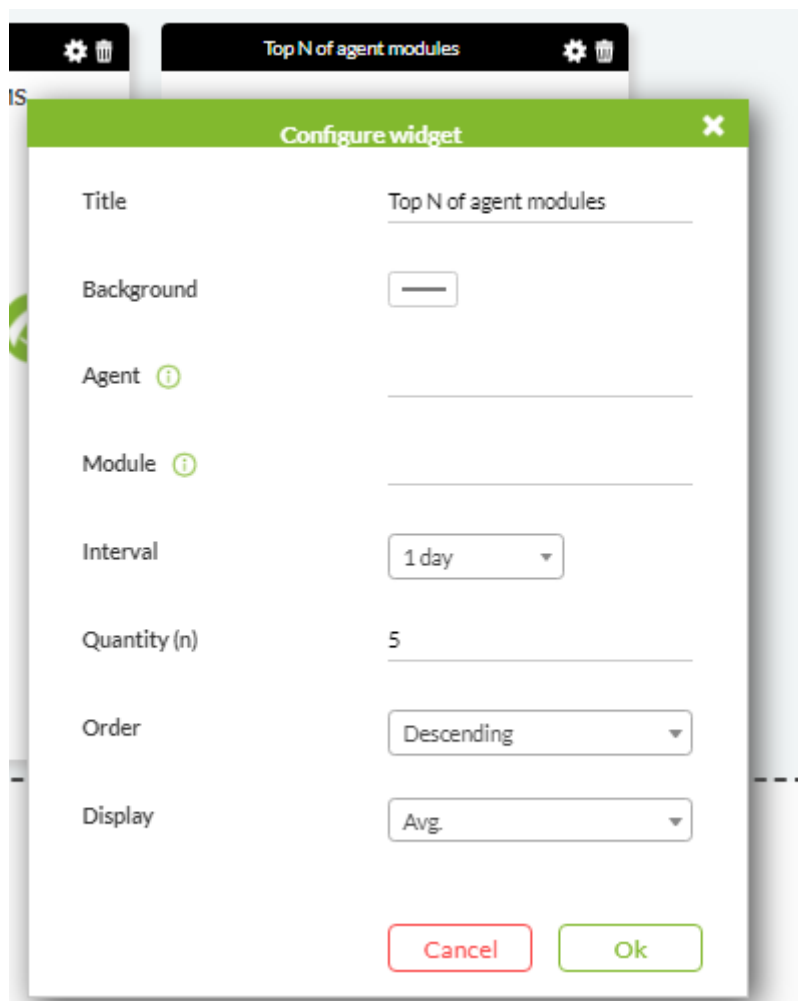


Top N modules

To see graph of the list of more recent modules, use the following widget:



Setting options:



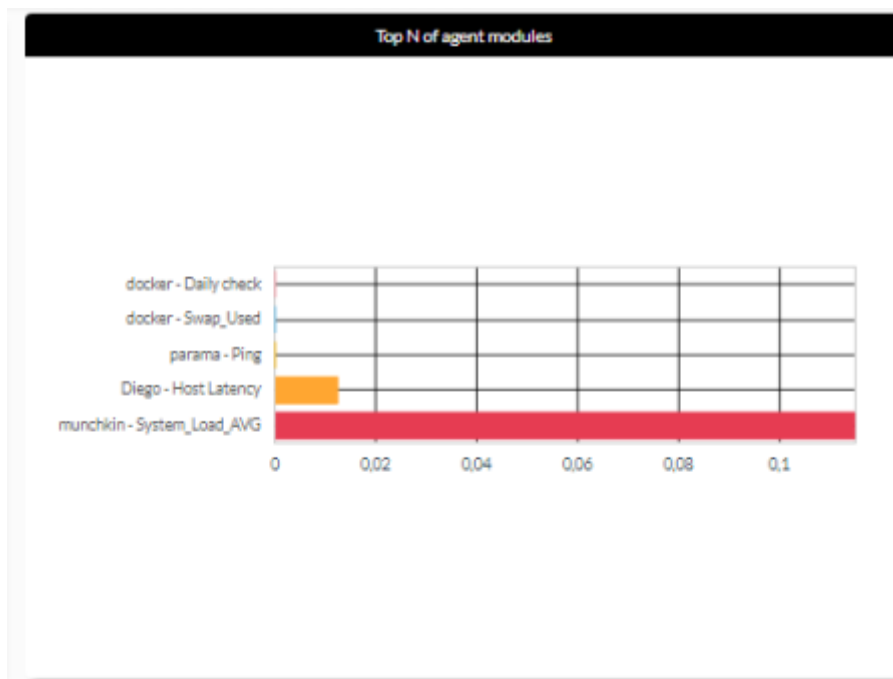
The screenshot shows a 'Configure widget' dialog box for the 'Top N of agent modules' widget. The dialog has a green header with a close button (X). The settings are as follows:

Field	Value
Title	Top N of agent modules
Background	—
Agent (i)	
Module (i)	
Interval	1 day
Quantity (n)	5
Order	Descending
Display	Avg

At the bottom of the dialog are 'Cancel' and 'Ok' buttons.

- Agent: Agents to include through a regular expression (regex).
- Module: Modules to be included through a regular expression.
- Period: Data period that will be used to show the widget's information.
- Quantity (n): Amount of modules shown.
- Order: Way to organize elements, either ascending, descending, or even by agent name.
- Display: List to be shown by minimum, maximum or average.

When saving the configuration, the widget should look like the one shown below.



Show agent WUX transaction

E This widget shows a selected **WUX transaction**:



Setup window:

Configure widget

Title: Agent WUX transaction

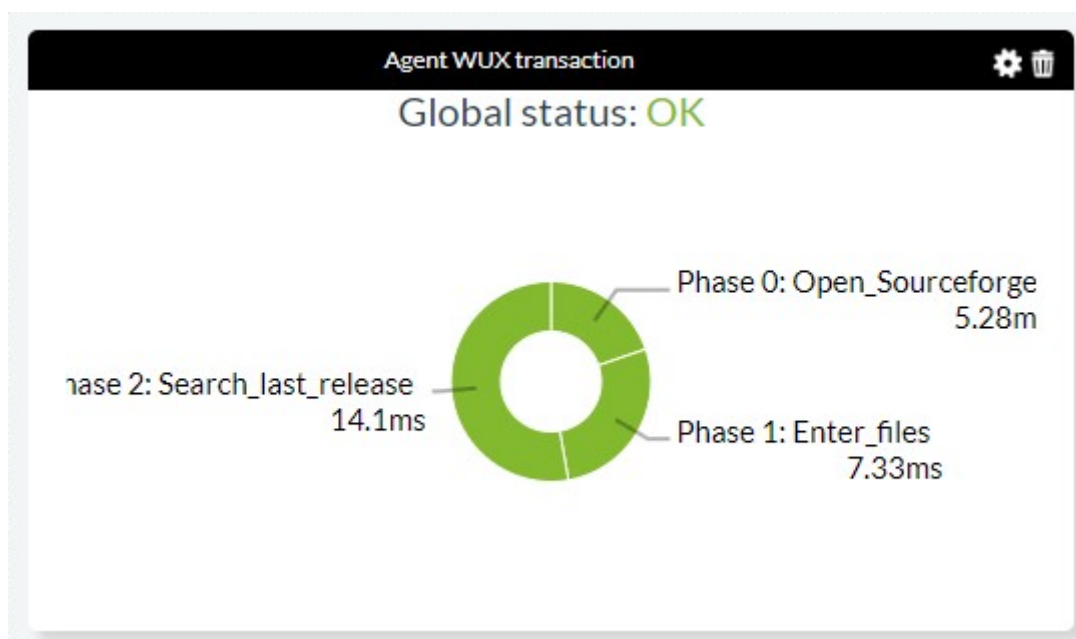
Background:

Agent: 1

WUX transaction: Select an Agent first

- Agent: Choose the agent that has the WUX monitoring to be shown.
- WUX Transaction: Choose the WUX module to show.

Click Update, and a window like the following will appear:



Show agent WUX transaction statistics

E This widget shows the stats of a selected WUX transaction:



To take advantage of this resource, first enable the Run performance tests option in the **WUX module** and indicate a target website. Example:

✓ **Base options**

Name Disabled
ID 107

Run performance tests

Target web site

Execute tests from

Browser

User data dir

Profile

Accept insecure certificates

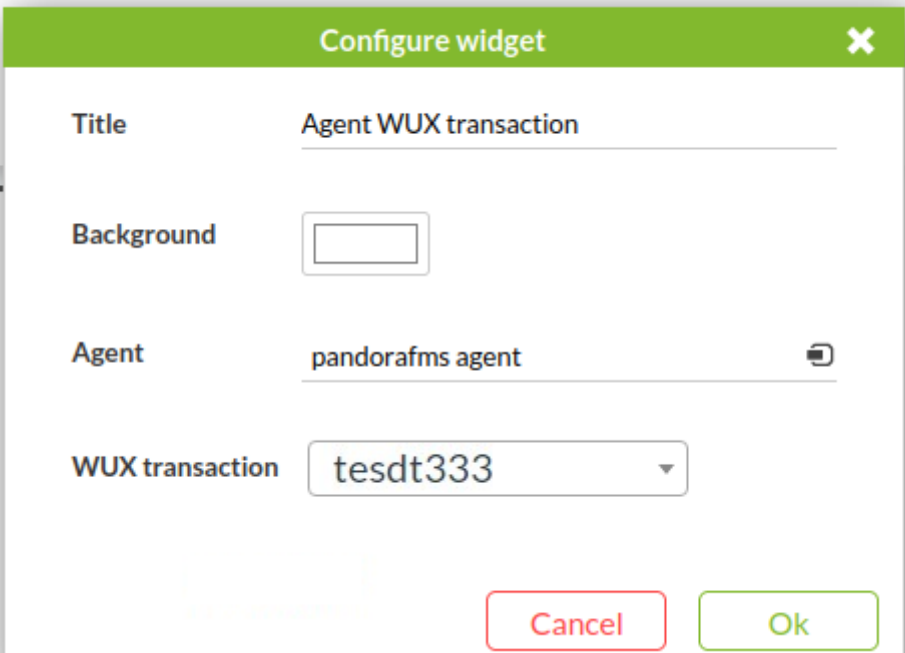
Keep counters

FF threshold Change all statuses : 0
 Change each status : To 'normal' 0 To 'warning' 0 To 'critical' 0

Historical data

No file selected. Upload your selenium test in html or side (only Selenium 3) format

Widget setup window:

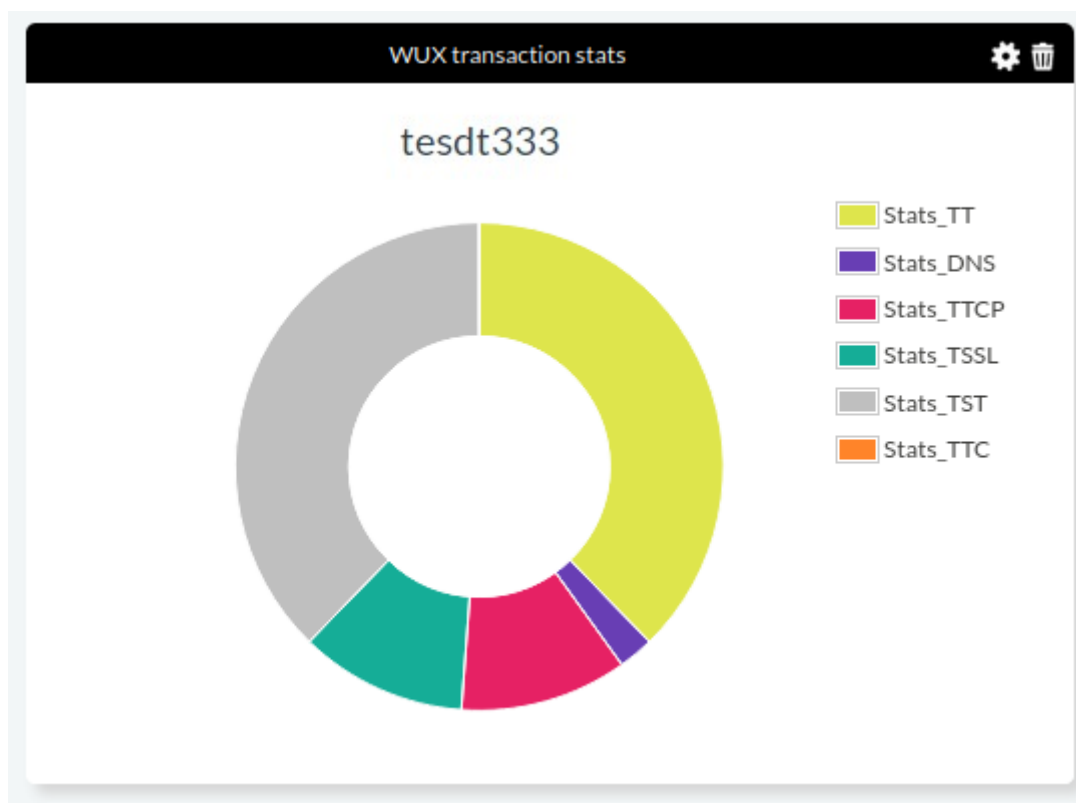


The image shows a 'Configure widget' dialog box with a green header and a close button (X) in the top right corner. It contains the following fields:

- Title:** Agent WUX transaction
- Background:** A small rectangular box with a border.
- Agent:** pandorafms agent (with a refresh icon to the right)
- WUX transaction:** tesdt333 (with a dropdown arrow to the right)

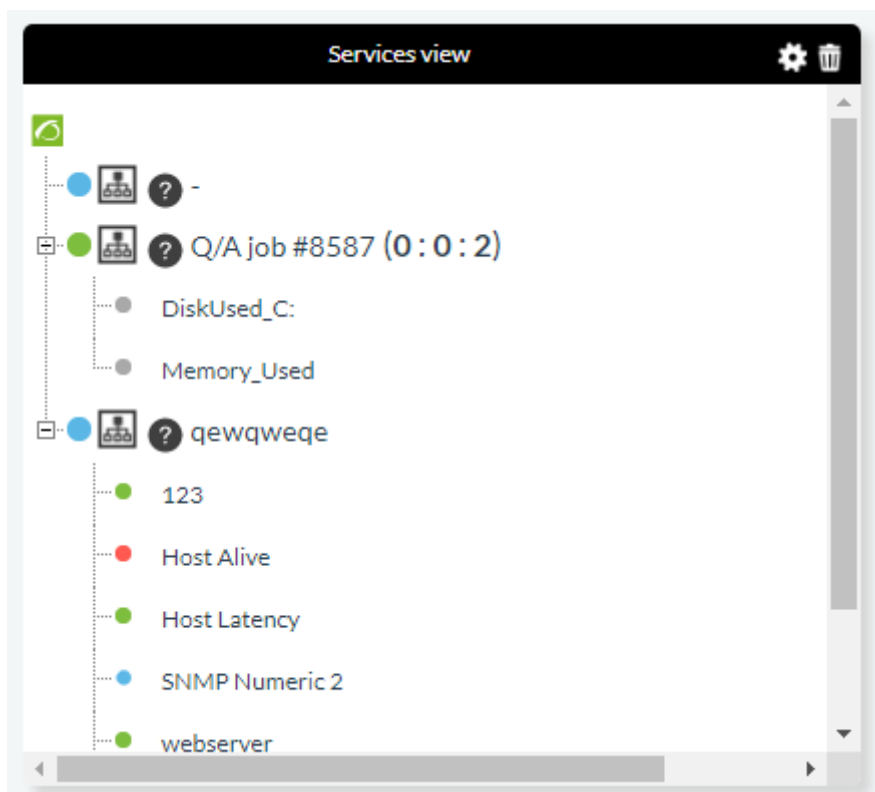
At the bottom right, there are two buttons: 'Cancel' (red border) and 'Ok' (green border).

- Agent: Choose the agent that has WUX monitoring to show.
- WUX Transaction: Choose the WUX module to be shown.



Services view

- This widget allows to display the **services registered** in the PFMS server.

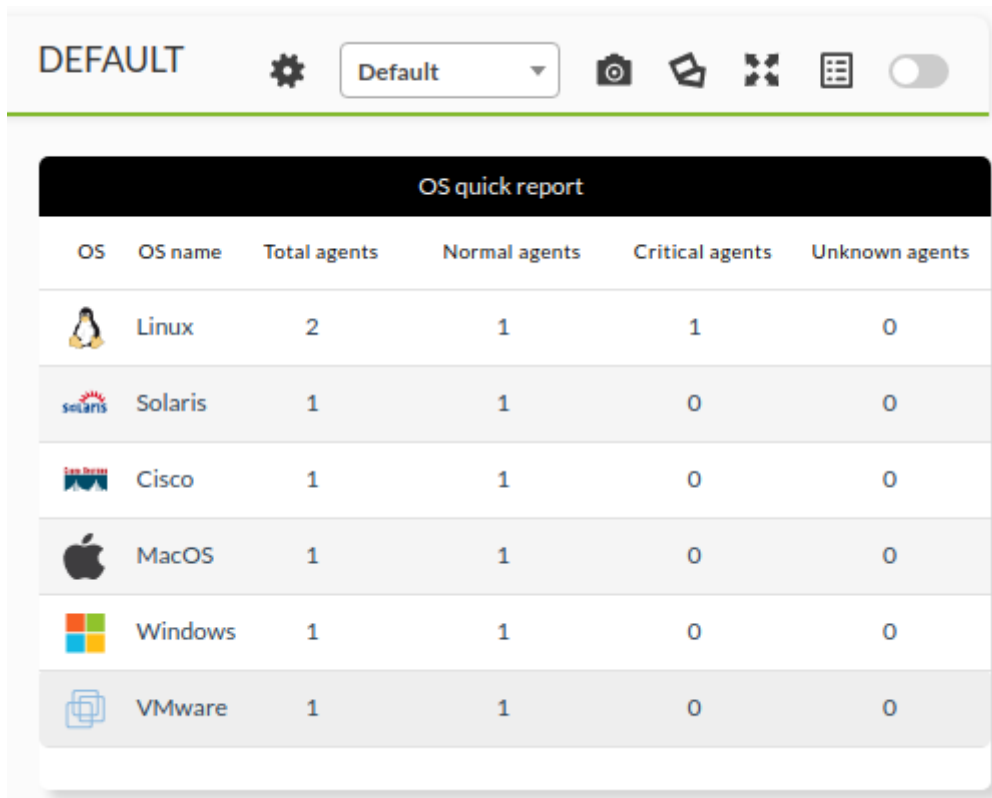


OS Quick Report







763 version or later.



Fast and orderly reporting by operating systems used by registered agents.



DEFAULT [Settings] [Default] [Camera] [Clipboard] [Fullscreen] [List] [Toggle]

OS quick report					
OS	OS name	Total agents	Normal agents	Critical agents	Unknown agents
	Linux	2	1	1	0
	Solaris	1	1	0	0
	Cisco	1	1	0	0
	MacOS	1	1	0	0
	Windows	1	1	0	0
	VMware	1	1	0	0

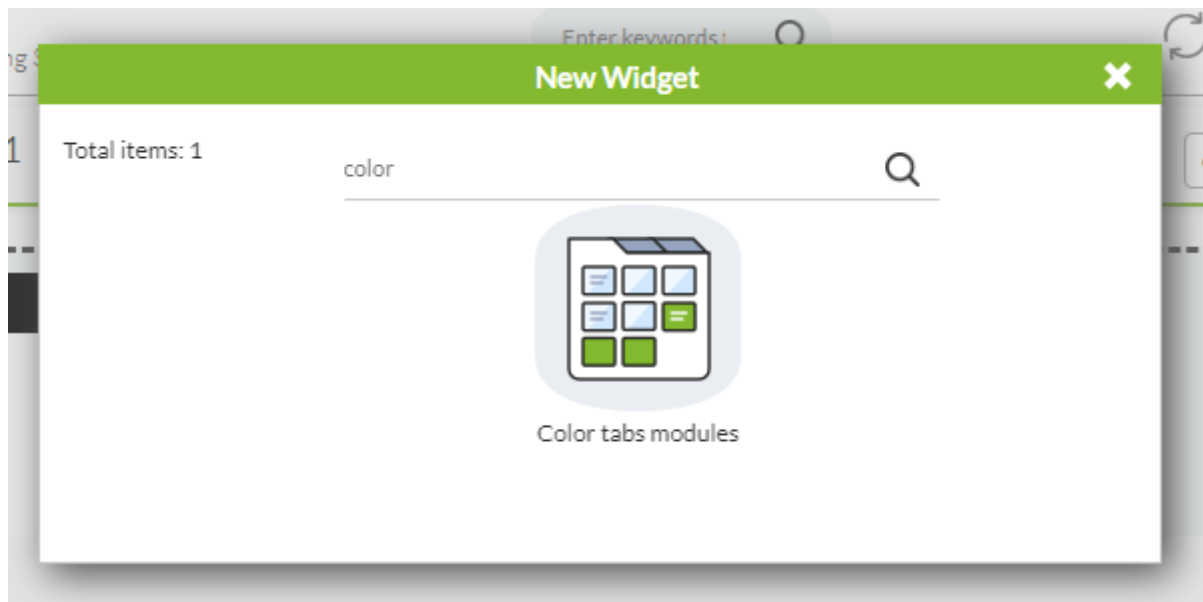
It has no configuration and *depending on the group the user belongs to*, they will be able to see a variable number of agents. At the same time, a summary of the status of these agents is shown: number of Normal agents, Critical agents and Unknown agents.

Color tabs modules

NG 764 version or later.



Color tabs modules allow multiple agent and module selection. It displays the selected modules in the form of tabs or tabs in which the content will be the alias of the agent data and unit.



To configure it, choose in the text box ·Agents the agents to be displayed (or select all of them in the corresponding selector ♦All).

Configure widget [X]

Title: Color tabs modules

Background: [Color picker]

Label: Module

Agents: [List box] All [Toggle]

Type: Show all modules

Modules: [List box] All [Toggle]

Format Data: [Toggle]

Cancel Ok

Once you have selected the agent(s), select the type of module selection (·Type), either all modules (·Show all modules) or only the modules that the selected agents share in common. Then the modules (·Modules) will appear and you will be able to add them all with the respective All selector and delete them in their corresponding close button for each module. You will be able to format the data (·Format Data) and in Label select whether to show agent name, module or agent and module.

Color tabs modules ⚙️ 🗑️

Host Alive 0	Host Latency --	Host Alive 1	Host Latency 0	aaaa --	aaaa --
-----------------	--------------------	-----------------	-------------------	------------	------------

Color tabs modules ⚙️ 🗑️

CPU Load 4%	CPU IOWait 7%	Host Latency --	Host Latency 0	aaaa --	aaaa --
----------------	------------------	--------------------	-------------------	------------	------------

Color tabs modules ⚙️ 🗑️

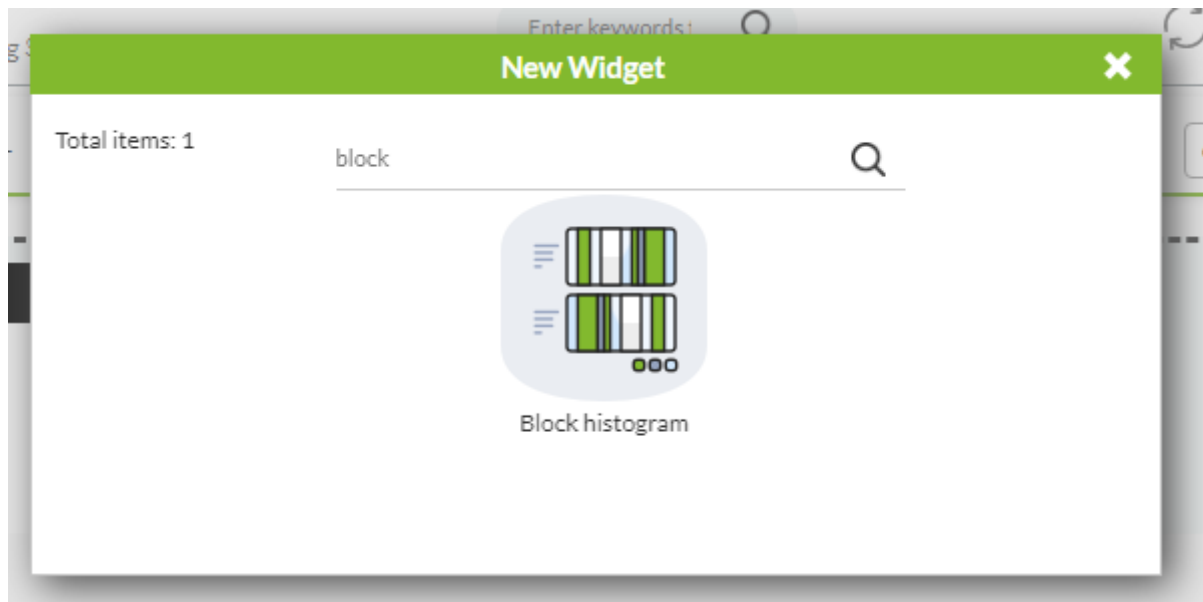
Status 1	Database Maintenance 0	Queued_Modules 1	Agents_Unknown 0	System_Load_AVG 2.1	Free_RAM 611.7K	FreeDisk_SpoolDir 94.3K	Execution_Time 495 us
Host Alive 0		Host Latency --		aaaa --			



Block histogram



NG 764 version or later.



Block histogram allows multiple agent and module selection. It shows the selected modules in the form of blocks identified with the agent name and/or module name. To configure it, choose in the text box `Agents` the agents to be displayed (or select all of them in the corresponding selector `All`). Once you have selected the agent(s), select the type of module selection (`Type`), either all modules (`Show all modules`) or only the modules that the selected agents share in common. Then the modules (`Modules`) will appear and you will be able to add all of them with the corresponding `All` selector and delete them in their corresponding close button for each module. You will be able to format the data (`Format Data`) and in `Label` select the name of the agent, module or agent and module to be shown.

Enter keywords

Configure widget ✕

Title

Background

Font color

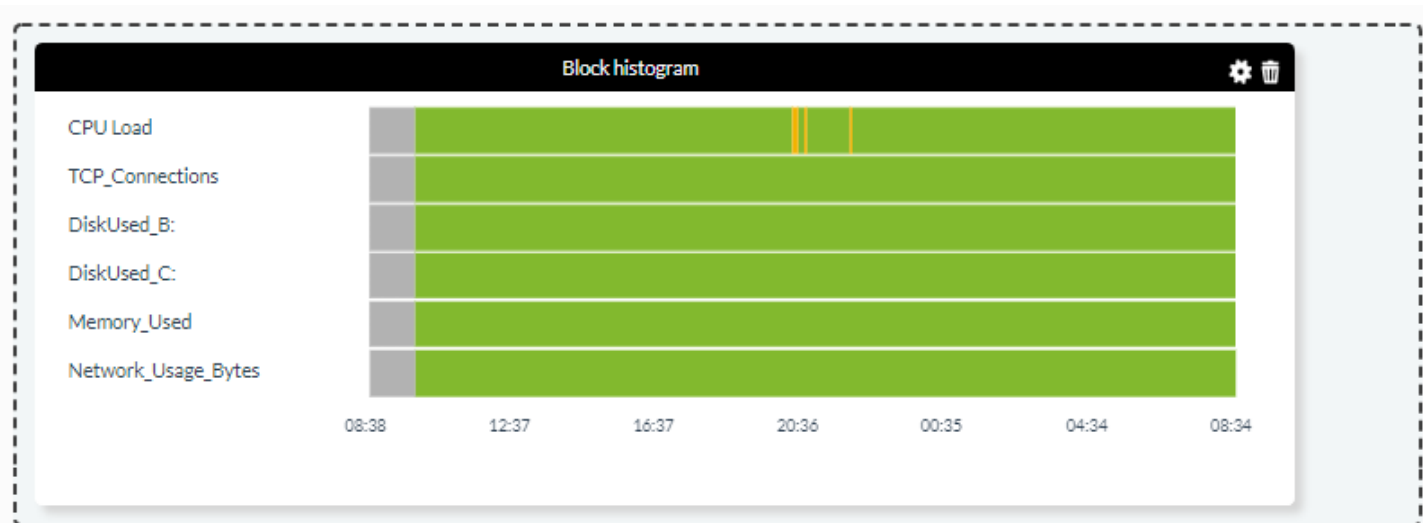
Label

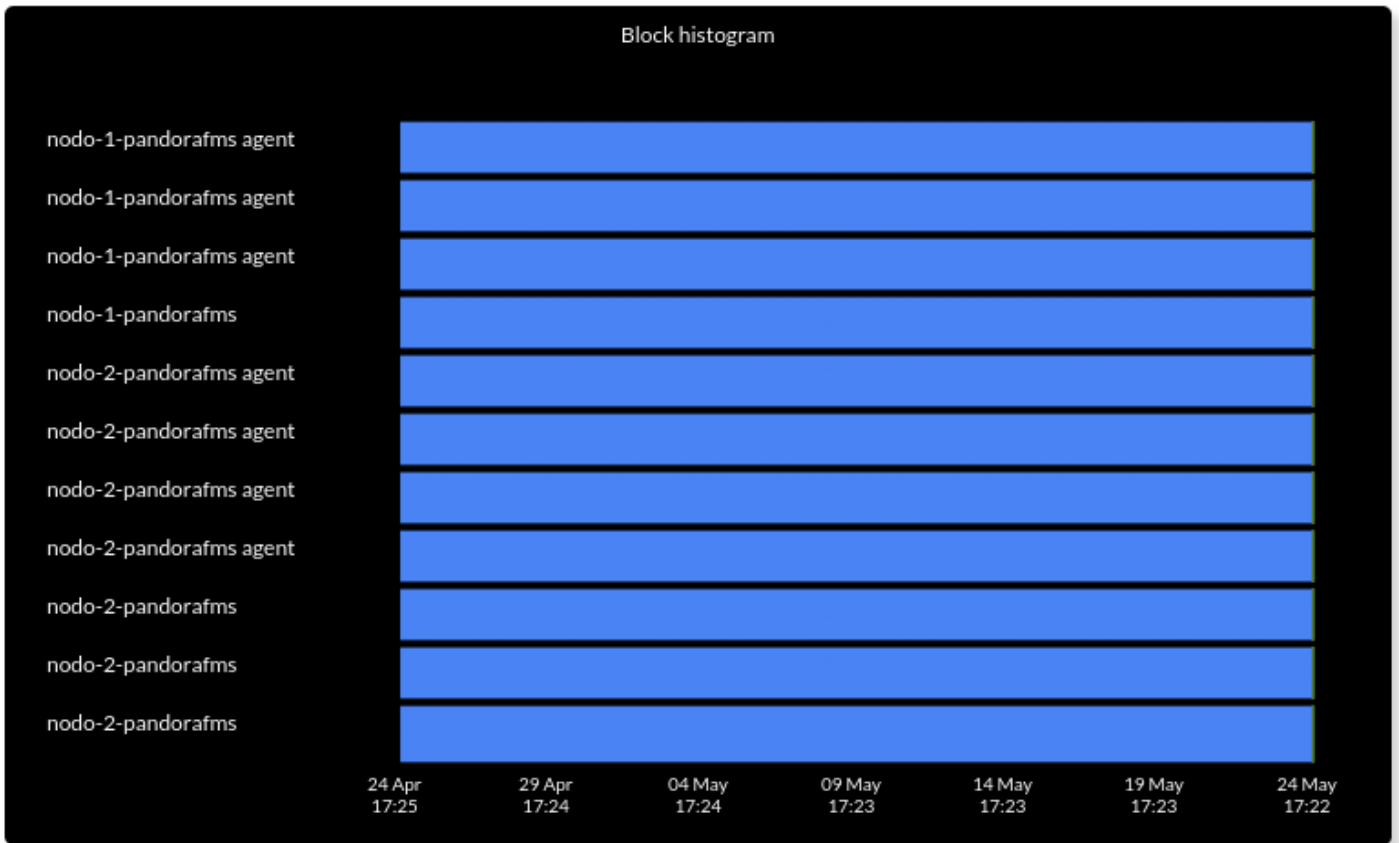
Interval

Agents All

Type

Modules All

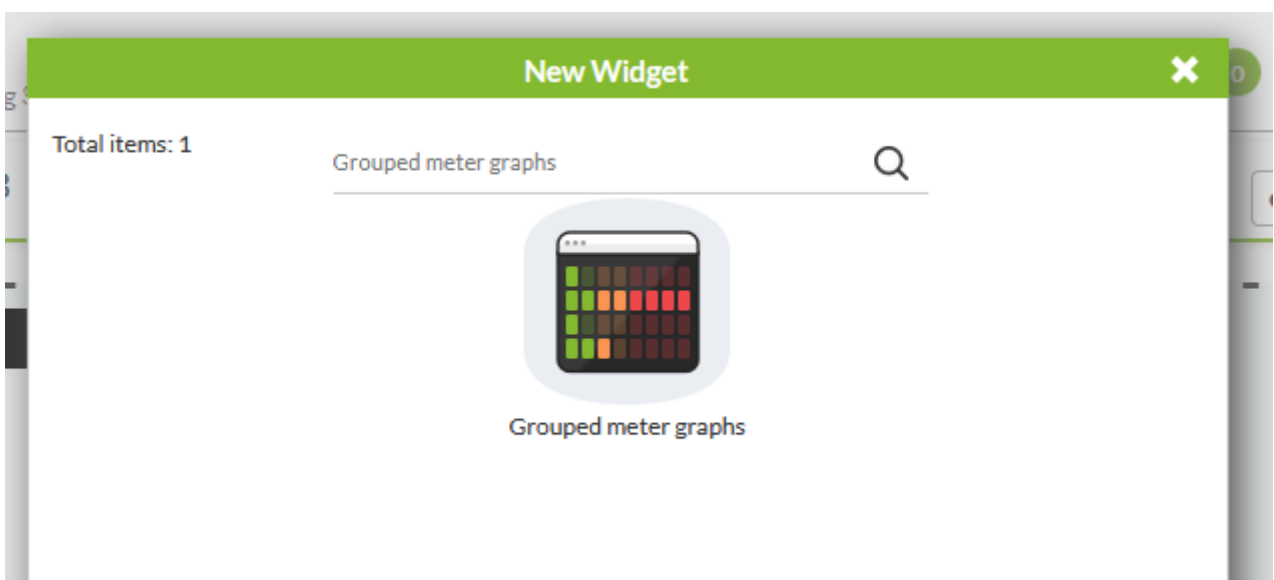




Grouped meter graphs



NG 766 version or later.

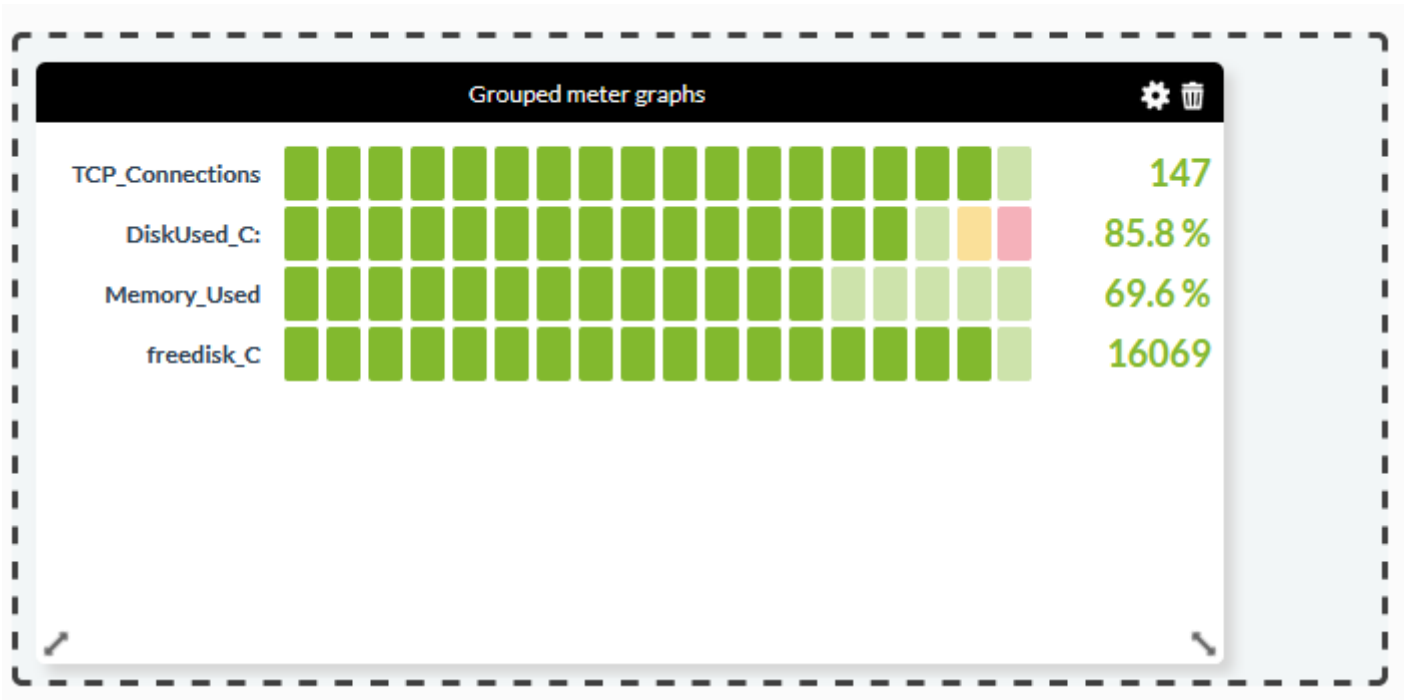


The Grouped meter graphs widget displays, according to their size, a series of squares representing their threshold: the larger the space, the higher the number of squares. It is also possible to choose a custom threshold for graphical representation only.

It shares common features with other widgets such as title, group, background color, and so on:

- Format data: Formatting of the result, e.g. 1000 → 1K.
- Values: It cuts values at the top and at the bottom.
- Manual thresholds: By default it takes the values dynamically, those assigned to the modules themselves, but you may also add a specific threshold *for all modules*.
- Modules: It allows you to select the modules of the selected agents.
- String modules are excluded for this widget.
- The widget is limited to a maximum of twenty items.
- It also works in the [Metaconsole](#).

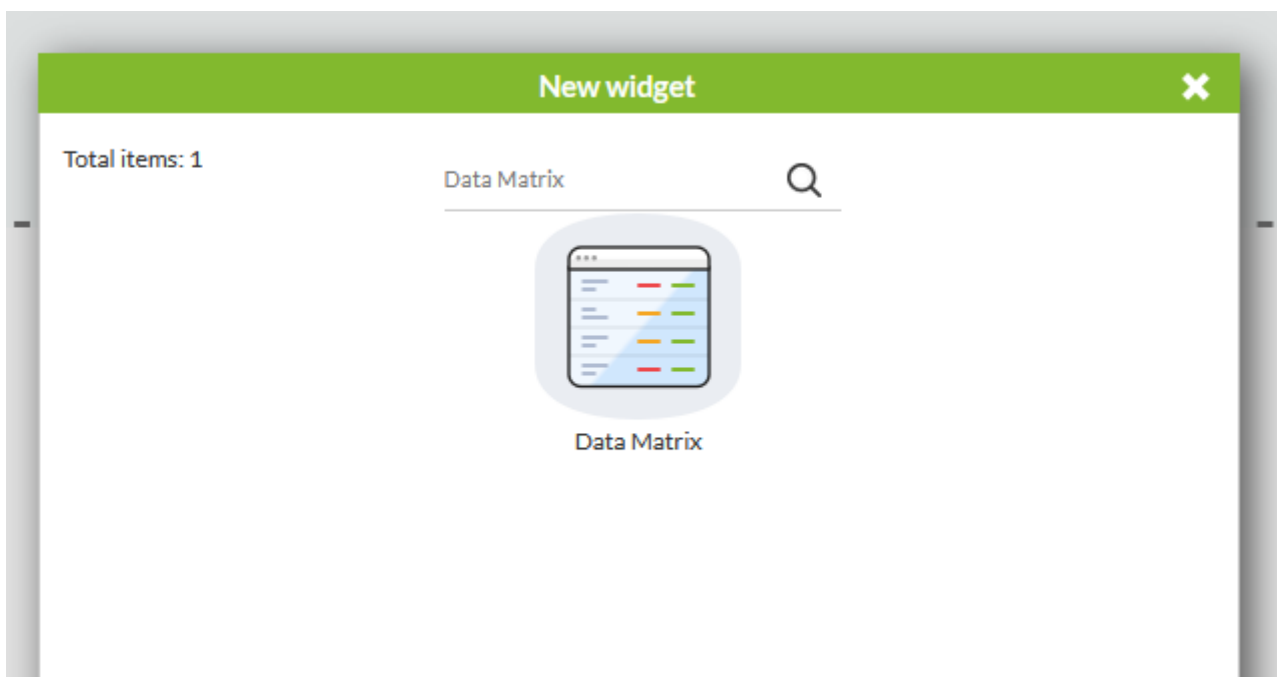
Once configured, you may obtain, for example:



Data matrix



NG 768 version or later.



Displays the information of the requested modules in an uncompressed form taking into account

the value of the requested interval.

Configure widget
✕

Title	<input type="text" value="Data Matrix"/>	Label	<input type="text" value="Module"/>
Background	<input type="text" value=""/>	Agents	<div style="border: 1px solid #ccc; padding: 5px; display: flex; align-items: center;"> <div style="background-color: #4CAF50; color: white; padding: 2px 5px; border-radius: 3px; margin-right: 5px;">✕ nodo-1-pandorafms</div> <div style="flex-grow: 1; border-left: 1px solid #ccc; border-right: 1px solid #ccc; border-bottom: 1px solid #ccc;"></div> <div style="margin-left: 5px;">All <input type="checkbox"/></div> </div>
Format Data	<input checked="" type="checkbox"/>	Type	<input type="text" value="Show all modules"/>
Periodicity	<input type="text" value="1 day"/> <small>✎</small>	Modules	<div style="border: 1px solid #ccc; padding: 5px; display: flex; align-items: center;"> <div style="background-color: #4CAF50; color: white; padding: 2px 5px; border-radius: 3px; margin-right: 5px;">✕ Agents_Unknown</div> <div style="background-color: #4CAF50; color: white; padding: 2px 5px; border-radius: 3px; margin-right: 5px;">✕ Database Maintenan</div> <div style="flex-grow: 1; border-left: 1px solid #ccc; border-right: 1px solid #ccc; border-bottom: 1px solid #ccc;"></div> <div style="margin-left: 5px;">All <input checked="" type="checkbox"/></div> </div>
Interval	<input type="text" value="5 minutes"/> <small>✎</small>		
Limit	<input type="text" value="5"/>		

Configuration:

- Title.
- Background.
- Format data: If the data returned by the module is to be formatted, value: active by default.
- Periodicity: The period to display, default value: one day.
- Interval: The interval, default value 5 minutes.
- Limit: Number of rows to display in the table.
- Label: Label to show agent only, module only or both.
- Type: Show all modules or, if two or more modules have been selected, show the modules in common.
- Modules: Agent and module selector.
- All: Button for quick selection of *all modules*.

Data Matrix		
Date	nod-1-pandorafms	nod-2-pandorafms
2022-11-10 15:11	599.3K	614.2K
2022-11-10 15:06	203.6K	227.5K
2022-11-10 15:01	243.4K	249.4K
2022-11-10 14:56	243.5K	238.2K
2022-11-10 14:51	343.4K	347K
2022-11-10 14:46	318.6K	314.1K
2022-11-10 14:41	2.2M	1.3M
2022-11-10 14:36	--	--
2022-11-10 14:31	--	--
2022-11-10 14:26	--	--

Showing 11 to 20 of 288 entries

- It also works in [Metaconsole](#).

Event cardboard



NG 770 version or later.

The Event cardboard widget presents a count of events grouped by criticality, over a period of time and by selected agent groups.

CARDBOARD
+
⚙️

Configure widget ✕

Title

Event type

Max. hours old

Event status

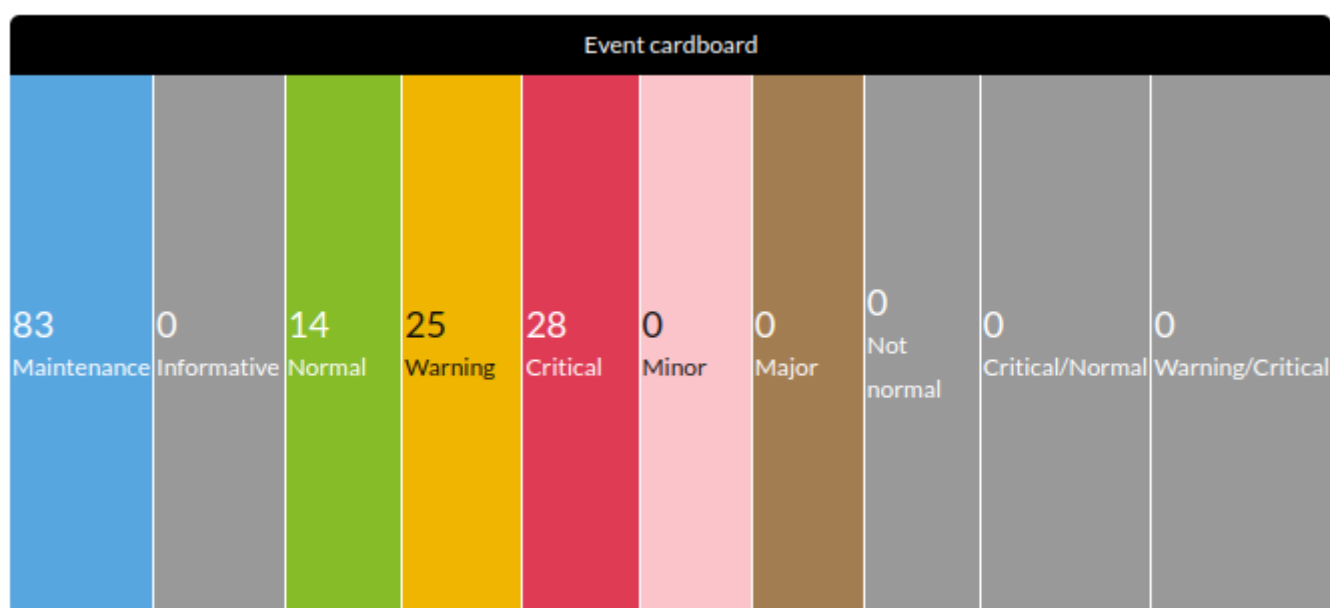
Groups ✕ Applications

Severity

- Critical
- Critical/Normal
- Informative
- Maintenance
- Major
- Minor
- Normal
- Not normal
- Warning
- Warning/Critical

Cancel
Ok

- Event type: It allows you to choose only one type of event, e.g. agent created, alert triggered, etc.
- Max. hours old : By default the events created in the last 8 hours.
- Event status : It allows filtering by event status (All, Pending only or Validated only).
- Severity: Select events by criticality, e.g. Informative, Maintenance, etc.



- It also works in [Metaconsole](#).

Avg|Sum|Max|Min Module Data




NG 770 version or later.

It allows displaying the average, maximum or minimum value (AVG, MAX, MIN) of a module or the sum (SUM) of an incremental module, with or without its unit of measurement (Unit) and descriptive label over a period of time (by default the last 30 days).

Configure widget ✕


Title Avg|Sum|Max|Min Module Data

Background 


Label _____


Type AVG ▾


Time period Last 30 days ▾

Agent _____ 

Module None ▾

Text size of value in px 20 

Text size of label in px 20 

Text color 

Unit

Cancel Ok

- Type: Average, sum, maximum or minimum value of a module.
- Time period: By default the last 30 days; the last month, the last 7 days, the current week, the last 24 hours or the current day are also available.
- Agent and Module: To choose the Agent and its module to display.
- Unit: If the module has a unit of measurement assigned to it (MB, sessions, bytes/sec, etc.), it will show said unit.
- It also works in the [Metaconsole](#).

Dashboard configuration interface showing a widget configuration dialog and a preview of the widget.

Configure widget

- Title: Sum nodo1-pandorafms agent
- Background:
- Label: Network usage
- Type: SUM
- Time period: Last 7 days
- Agent: nodo-1-pandorafms agent (nodo-1-pandorafms)
- Module: Network_Usage_Bytes
- Text size of value in px: 20
- Text size of label in px: 20
- Text color:
- Unit:

Cancel **Ok**

Widget Preview: Sum nodo1-pandorafms agent
132,755 bytes/sec Network usage

Modules by status



Modules by status

NG 770 version or later.

The Modules by status widget allows you to display modules by status (critical status by default) grouped by page (five by default). They are ordered by their last status change (Last status change), the most recent first, for example:

The image shows a screenshot of the 'Modules by status' widget and its configuration dialog. The widget displays a table of modules with columns for Module name, Agent, Last status change, and Status. The configuration dialog, titled 'Configure widget', allows users to set the Title, Background, Free search, Status, and Limit.

Module name	Agent	Last status change	Status
Network_Usage_Bytes	nodo-1-pandorafms agent	2 minutes 39 seconds	Critical
CPU Load	nodo-1-pandorafms agent	17 minutes 39 seconds	Warning
Database Maintenance	nodo-1-pandorafms	56 minutes 44 seconds	Normal
INVENTORYSERVER Consumer ...	nodo-1-pandorafms	2 hours	Normal
EVENTSERVER Producer Stat...	nodo-1-pandorafms	2 hours	Normal

Showing 1 to 5 of 79 entries

Configure widget

Title: Modules by status

Background:

Free search (i):

Status:

- Critical
- Normal
- Not initialised
- Not normal
- Unknown
- Warning

Limit: 5

Buttons: Cancel, Ok

It presents the following configuration options:

A close-up view of the 'Configure widget' dialog. The dialog is titled 'Configure widget' and contains the following configuration options:

Title: Modules by status

Background:

Free search (i):

Status:

- Critical
- Normal
- Not initialised
- Not normal
- Unknown
- Warning

Limit: 5

Buttons: Cancel, Ok

- Free search: It allows you to select modules by keyword.

NODO1

Modules by status

Show 5 entries

Module name	Agent
CPU Load	nodo-1-pandora
CPU IOWait	nodo-1-pandora

Showing 1 to 5 of 79 entries

Configure widget

Title: Modules by status

Background: [Color picker]

Free search: cpu

Status: Critical, Normal, Not initialised, Not normal, Unknown, Warning

Limit: 5

- Status: To select one or more states, the Critical state is selected by default.
- Limit: Results per page, five by default.
- It also works in the [Metaconsole](#).

In the case of the Command Center (Metaconsole), at least one node must be selected:

Basic chart



Basic chart

Version 771 or later.

The Basic chart widget allows to visually represent an agent module, changing color according to the status, with the option of displaying the value and choosing a specific time period.

Configure widget ✕

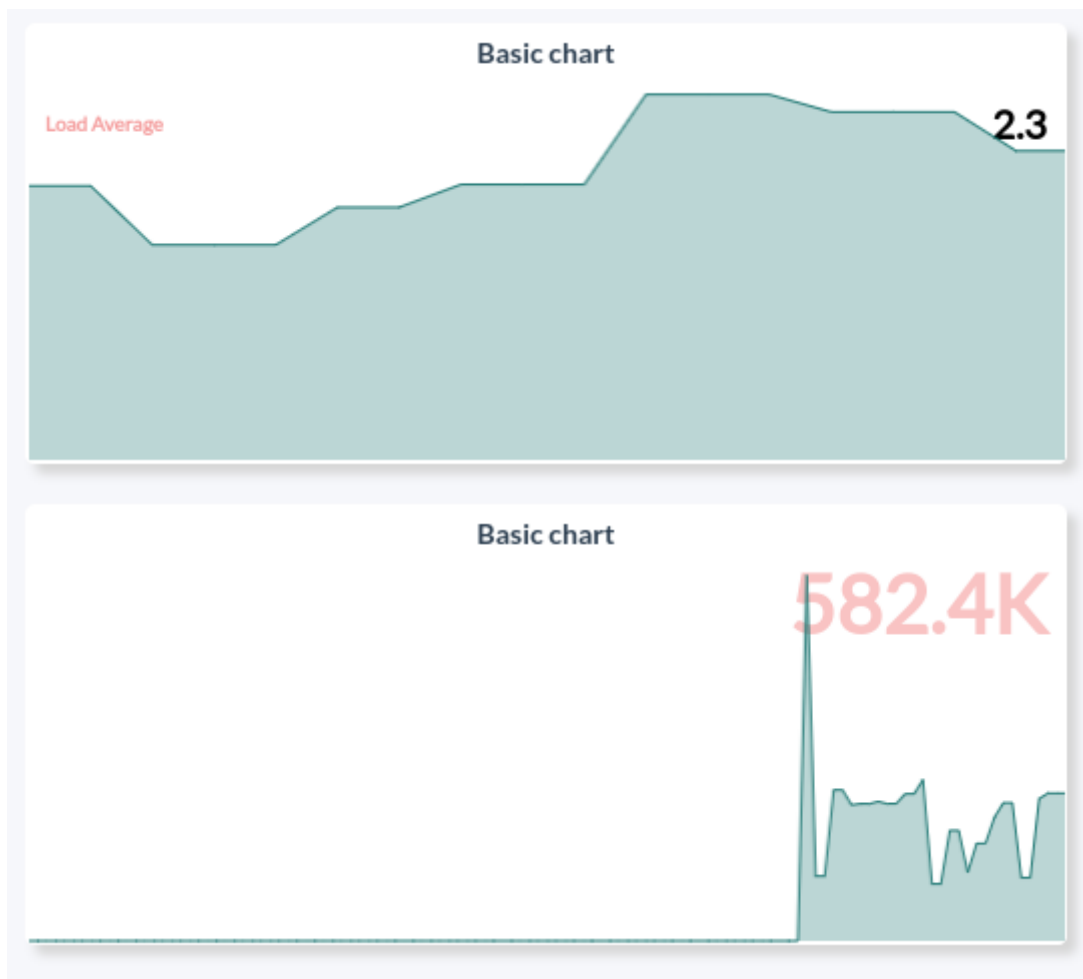
<p>Title <input style="width: 80%;" type="text" value="Basic chart"/></p> <p>Background <input style="width: 50px; height: 20px;" type="text"/></p> <p>Interval <input style="width: 80%;" type="text" value="1 day"/> ✎</p> <p>Show label <input checked="" type="checkbox"/></p> <p>Label <input style="width: 80%;" type="text" value="Module"/></p> <p>Label size in px <input style="width: 80%;" type="text" value="20"/></p> <p>Color label </p>	<p>Agent <input style="width: 80%;" type="text"/></p> <p>Module <input style="width: 80%;" type="text" value="None"/></p> <p>Color chart </p> <p>Show Value <input type="checkbox"/></p> <p>Format <input checked="" type="checkbox"/></p> <p>Value size in px <input style="width: 80%;" type="text" value="20"/></p> <p>Color value </p>
---	---

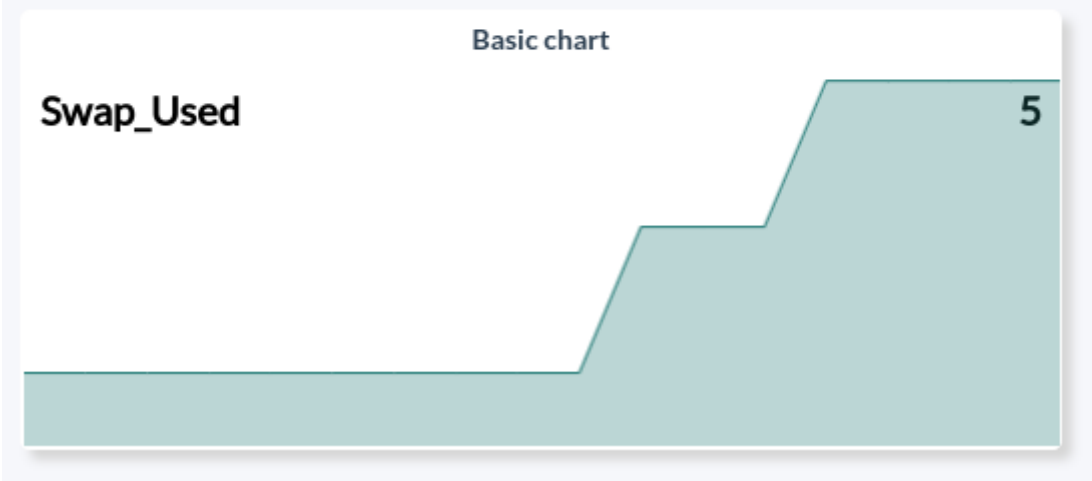
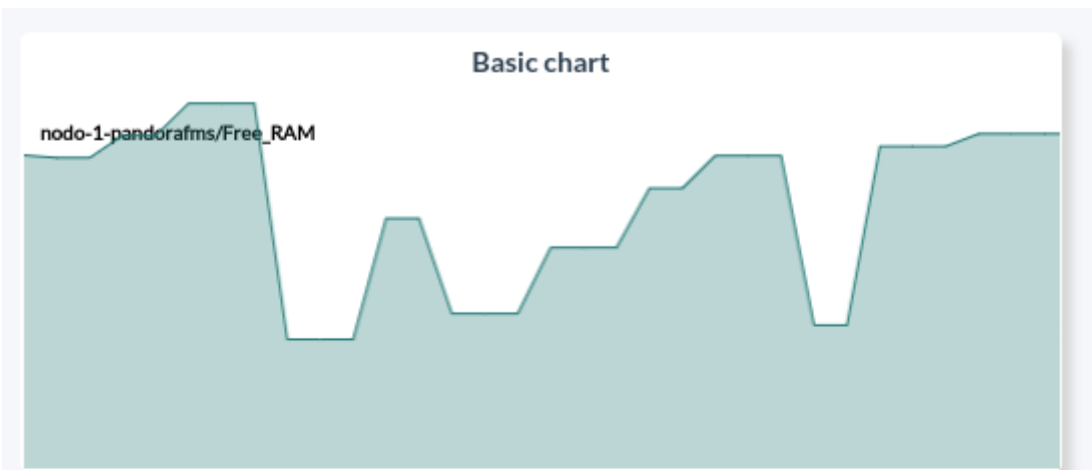
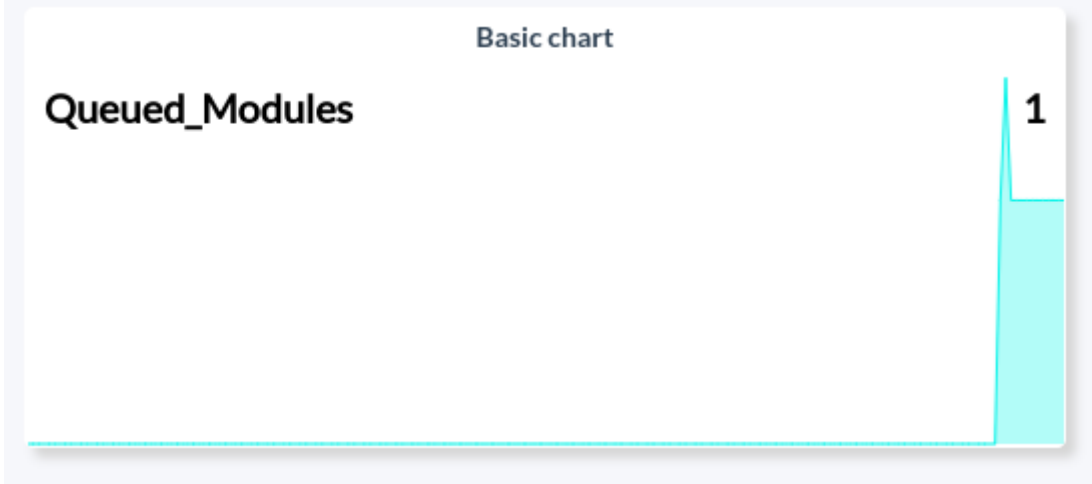
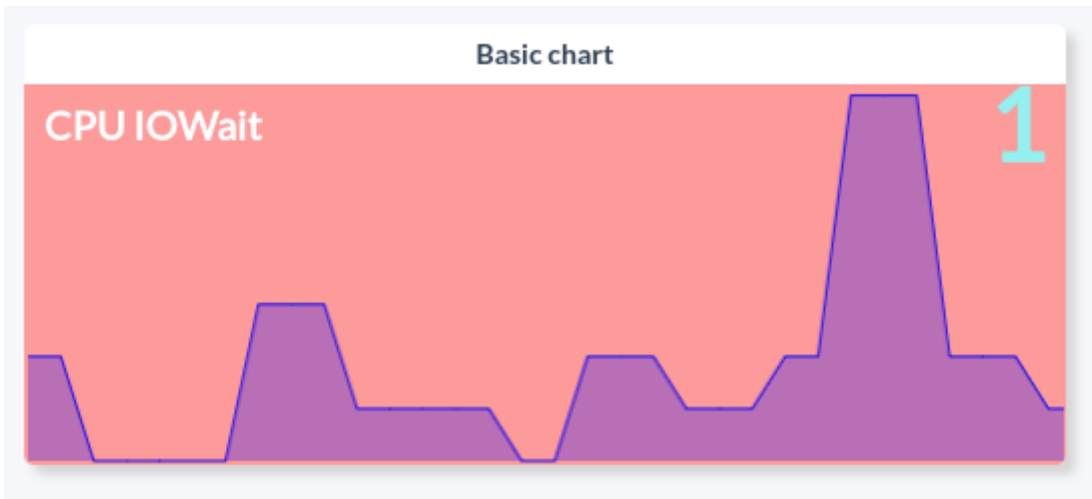
- Agent and Module: Agent and module selectors accordingly. Mandatory options, write at least two characters to show the list of available resources.
- Interval: Time period to display, by default 1 day. You may also set a custom interval by clicking on the pencil icon.
- Color chart: Chart color. By default it takes the one you have in the visual configuration of the charts in position 1.
- Label: Show name of the agent, module or agent and module (module by default).
- Show label: Show or not the label, it does by default.
- Show value: Show or not the current data, it does by default.

- Format: To format the value, formatted by default.
- Color value: Color of the value font, black by default.

If the module has a threshold and is in any state other than normal (critical, warning, warning, unknown, with triggered alert, etc.) it will show the color of its corresponding state.

Examples:



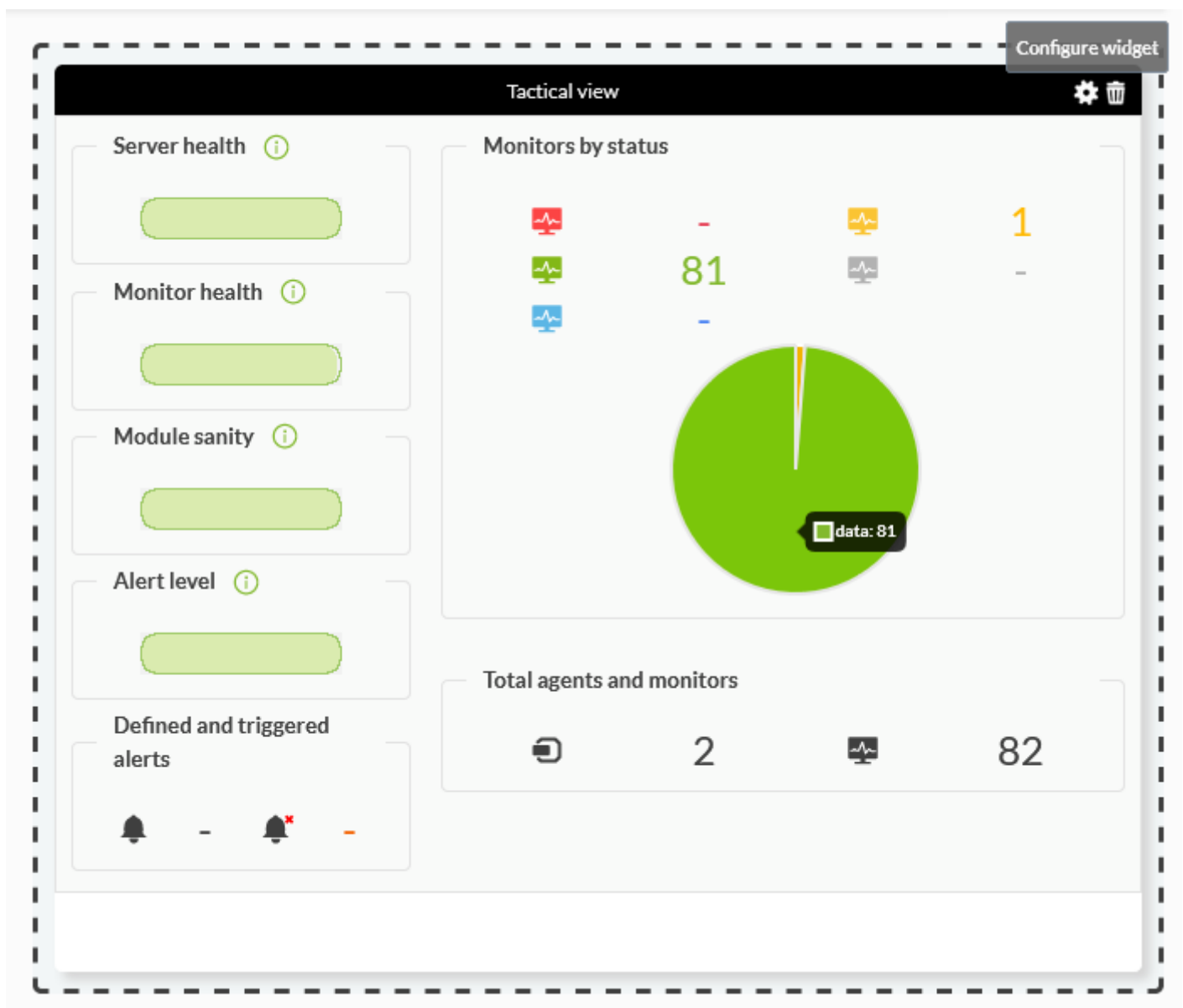


Placing items on the dashboard

When clicking on the items from the Dashboard it is possible to move them around and place them wherever the user wants.

Editing objects on the dashboard

To edit configuration parameters for a Dashboard item, press on the configuration icon that can be found on the top right corner of the item to edit.



Once clicked on the icon, the settings menu will appear. Modify it and click Update to save the changes.

Deleting objects on the Dashboard

To delete the configured parameters for an item on the dashboard, click on the trashcan icon at the top right of the item you wish to delete.

The screenshot displays a dashboard titled 'Tactical view' with a 'Delete widget' button in the top right corner. The dashboard is divided into several sections:

- Server health:** A green progress bar.
- Monitor health:** A green progress bar.
- Module sanity:** A green progress bar.
- Alert level:** A green progress bar.
- Defined and triggered alerts:** Two bell icons, one with a red 'x' and a minus sign.
- Monitors by status:** A pie chart showing 81 monitors in a green state. A legend indicates 'data: 81'. Other status counts are shown as 1 (yellow) and - (grey).
- Total agents and monitors:** A summary bar showing 2 agents (cylinder icon) and 82 monitors (monitor icon).

Editing a Dashboard

Dashboard values that can be changed include name and group. In order to update an already existing dashboard, click Options.

Update Dashboard ✕

Name

Private

Group

Favourite

Pandora FMS v7.0NG.761 - OUM 761 - MR 53
Page generated on 2022-05-17 22:34:06

Click Ok on the modified element to save the changes.

Deleting a Dashboard

In order to delete a created dashboard, go to the list of created dashboards and delete the desired one.

DASHBOARDS

Total items: 3

Name	Cells	Group	Favorite	Full screen	Copy	Delete
Testing Private Dashboard	1	Private for (admin)	1			
Testing Public Dashboard	1		1			
Testing Public Dashboard Firewalls	1		0			

Total items: 3

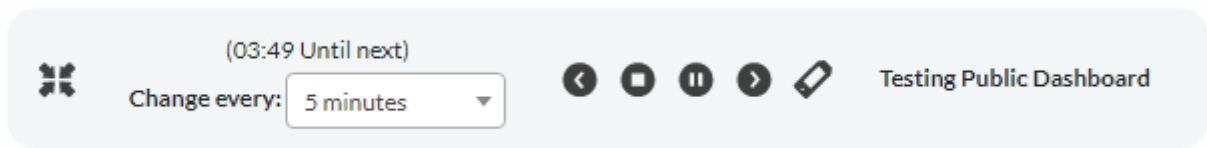
[New dashboard >](#)

Slideshow mode

To activate the slideshow mode, or presentation, simply access this mode on the top right menu, from the dashboard section, and select the dashboards you want to include in the presentation.

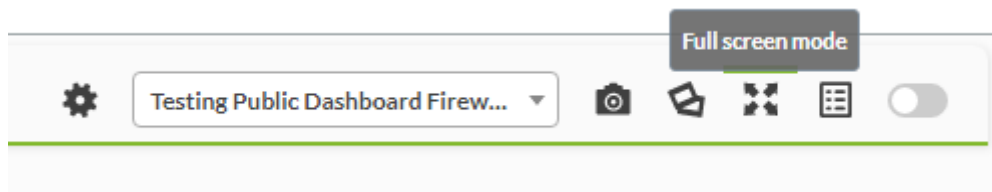
The screenshot shows the 'Slides mode' interface. At the top, there is a 'Slides mode' button and a dropdown menu currently showing 'Testin Private Dashboard'. Below this, a 'Slides' dialog box is open, displaying a list of dashboards: 'Testin Private Dashboard', 'Testing Public Dashboard', and 'Testing Public Dashboard Firev'. The dialog box has a close button (X) in the top right corner and 'Cancel' and 'OK' buttons at the bottom.

The console will switch to slide mode, from where you may control, among other things, the rotation frequency.

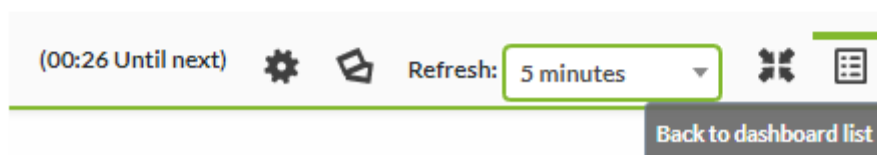
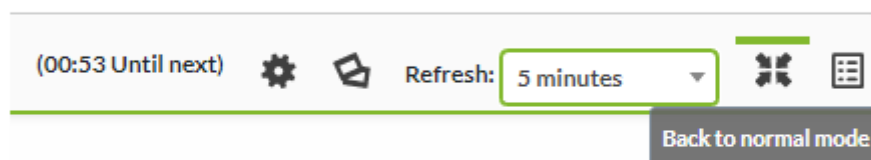
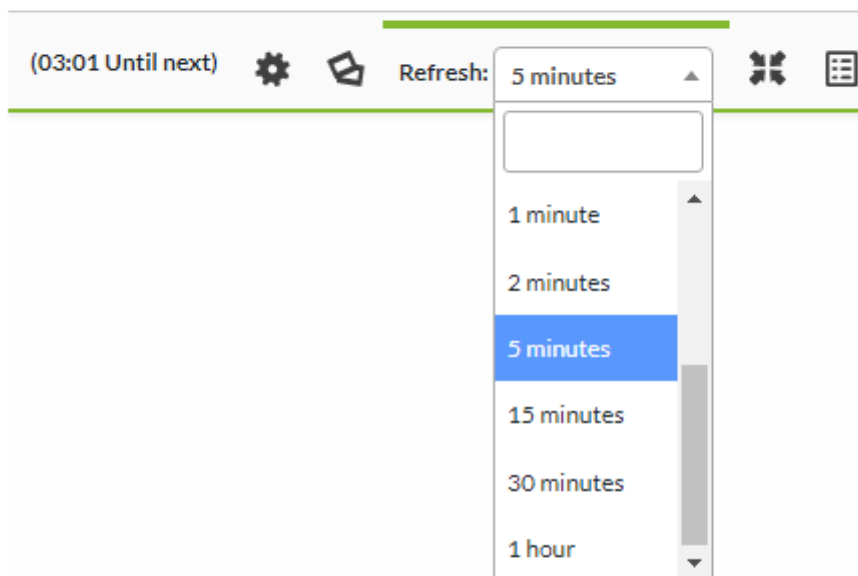
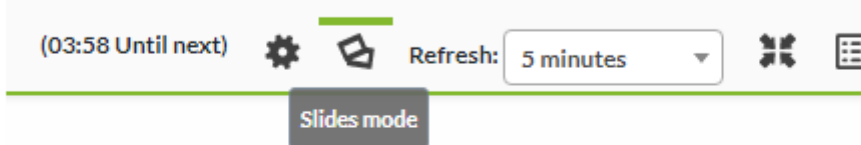
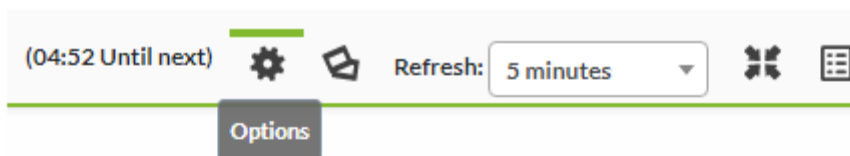


Full screen mode

To access the full screen mode, click on the icon below.

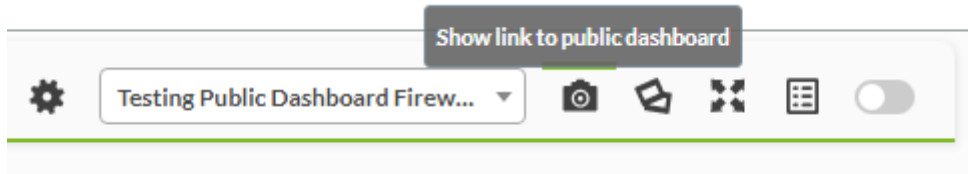


This simple and intuitive screen and controls resemble those of the slide mode. It allows to set a refresh rate and switch to slideshow mode.



Share Dashboard

To share a dashboard, you just need to click the following button, copy the URL and share it with whomever you want.



[Go back to Pandora FMS documentation index](#)