



Purpose

This document describes how to understand, configure, and use Views in Nagios Network Analyzer. Views allow you to define a different data lifetime for a specified IP address and/or port, allowing you to perform analysis of your flow data over a longer period of time.

Target Audience

This document is intended for use by Nagios Administrators who want to integrate different views into their Network Analysis.

What Is A View?

When you create a Source, you define a data lifetime for how long you want to retain the granular flow data (for example 24 hours). Applying a View to the Source allows you to retain the granular flow data for a longer period than what is defined on the Source. An example is when you want to retain data for your web server traffic. Create a View for port 80 and set the data lifetime to 30 days. This will retain data for port 80 for 30 days even if the data lifetime for the Source is set to 24 hours.

The Views Menu

On the navigation bar select **Views**.



Admin nagiosadmin

Dashboard Sources Source Groups **Views** Reports Queries Alerting Help Administration Log Out

Views

Views

A list of all your saved views. You can edit, delete, or run them on a selected source.

Delete Create View

Search by view name



| View Name | Source Associations | Data Lifetime | Actions |
|---------------------------------|---------------------|---------------|---------|
| No saved views currently exist. | | | |

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Creating A View

To create a new View click the **Create View** button.

Provide a **Name** for the View.

Define a **Limiter** for the View. This can be a specific IP address, port, or a combination of the two using an 'and'. For example:

```
ip 10.25.254.50
port 80
ip 10.25.254.50 and port 80
```

Create View ✕

Views are used to specify specific data retention settings ([explain](#)) for a select ip or port for a different amount of time than the actual source.

Name:

Limiter: ⓘ

Data Lifetime: Weeks ▾

Select the Data Lifetime that you would like the View to retain granular flow data for.

Note: By choosing certain IP's or Ports, you can change the data lifetime for that specific view, this will differ from your the data lifetime set at the Source.

The limiter syntax is the same used for queries, this is explained in the [Understanding And Using Custom Queries In Network Analyzer](#) documentation.

When finished click **Create**. You will see the new view added to the Views page.

| + | View Name | Source Associations | Data Lifetime | Actions |
|--------------------------|-----------|------------------------------|---------------|---|
| <input type="checkbox"/> | Port 80 | None (Add) | 16 Weeks | Edit • Delete |

At this point the View is doing nothing because it has not been associated with a Source, this will be explained next.

Associate View To A Source

Once the View is created, you need to associate at least one Source to the View. Click on the **Add** link under the Source Associations column.

Select Source(s) in the left pane and add them to the right pane using the arrow buttons in the middle.

Click **Save** when done.

View Associations

Make changes to the associations for this view.

View:

Sources not Associated

Firewall Public

→

←

Associated Sources

pfSense IPv4
pfSense IPv6

Once saved this will be reflected in the Source Associations column.

| View Name | Source Associations | Data Lifetime | Actions |
|-----------|---|---------------|---|
| Port 80 | pfSense IPv4, pfSense IPv6 (Change) | 16 Weeks | Edit • Delete |

An alternate method of associating a View with a source is via the **Manage Views** link on a Source page.

Dashboard Sources Source Groups Views Reports Queries Alerting Help Administration Log Out

[Sources](#) / [Source - pfSense IPv4](#) / [Manage Views](#)

Source - pfSense IPv4

Display View:

● Running (PID: 5222)

[Summary](#) [Reports](#) [Queries](#) [Percentile Calculator](#)

[Manage Views](#)

[Edit](#) [Remove](#)

View Management

Manage the views associated with this source. Views allow granular data storage of a certain combination of flow data.

Associated

| View Name | Data Lifetime | Actions |
|--------------------------------|---------------|---------|
| There are no associated views. | | |

Not Associated

| View Name | Data Lifetime | Actions |
|-----------|---------------|--|
| Port 80 | 16 Weeks | Associate Delete |

Here you can click the **Associate** link and it will associate the View with the Source.

Associated

Remove Association with Selected

| + | View Name | Data Lifetime | Actions |
|--------------------------|-----------|---------------|---|
| <input type="checkbox"/> | Port 80 | 16 Weeks | Remove Association • Delete |

Not Associated

Associate Selected

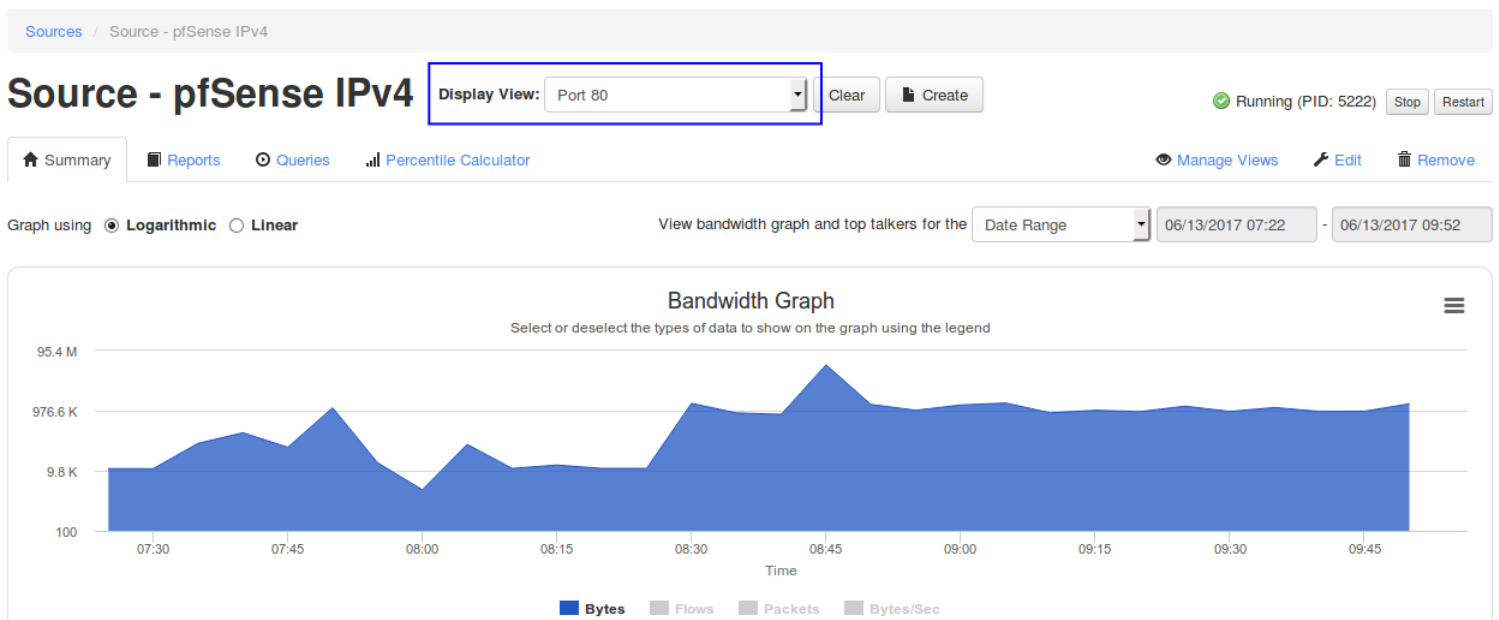
| + | View Name | Data Lifetime | Actions |
|----------------------------------|-----------|---------------|---------|
| There are no views to associate. | | | |

The View will now appear on the left under Associated.

Once the View has been associated, a separate directory for the view will be created in the Source folder, for example `/usr/local/nagiosna/var/pfSenseIPv4/views/Port80` (for each Source it has been associated with).

Using The View

On the Source page, clicking on the Source Name will bring up the details page of the Source with the Summary tab selected by default. Use the **Display View** drop down list to select the View. It will take at least 15 minutes before graph appears and 5 minutes before any data appears under the Top 5 Talkers. Here is the View after it has been running for two hours:

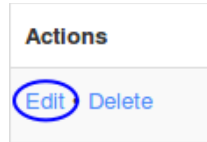


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When you have selected a View, the Summary, Reports, Queries and Percentile Calculator tabs will display the data that is specific to that the View.

Editing A View

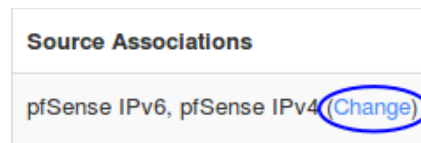
Editing a View can be done when on the Views page. Click the **Edit** link in the Actions **column** and the options that can be updated will be presented. These options are identical to when creating the View and hence will not be explained here.



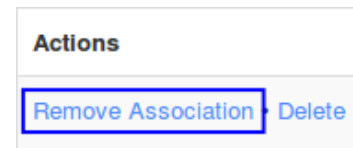
Remove Association

Removing the association of a View to a Source is a destructive process, all data relating to the View will be lost. Only View data for the Source you are removing the association from will be lost. Removing an Association can be done:

On the main View page using the **Change** link.

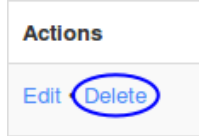


On the selected Source page, via the **Manage Views** tab by clicking the **Remove Association** link on the left side of the screen.

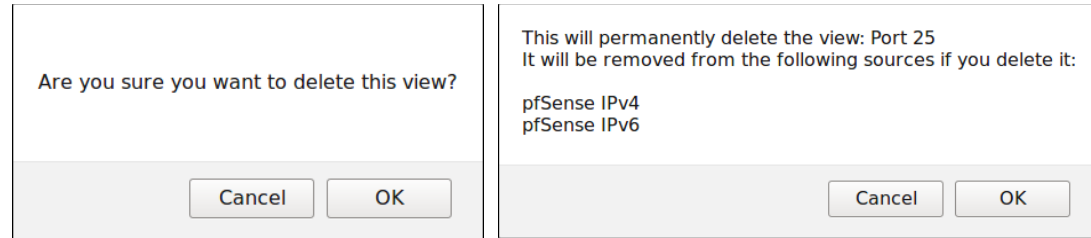


Deleting A View

Deleting a View is a destructive process and all data relating to the View will be lost. Deleting a View can be done when on the Views page. Click the **Delete** link in the Actions column and you will be prompted to confirm the delete.



If the View is associated with Source(s) you will be prompted again to confirm the delete.



Finishing Up

This completes the documentation on understanding and using Views in Nagios Network Analyzer.

If you have additional questions or other support related questions, please visit us at our Nagios Support Forums:

<https://support.nagios.com/forum>

The Nagios Support Knowledgebase is also a great support resource:

<https://support.nagios.com/kb>