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Subscriber IP Address Statistics Search

You can view statistics in the following sections of the QoE Analytics in the GUI:

1. *Raw Full NetFlow* (by default, data is stored for **2 hours**)
2. *NAT Flow* (by default, data is stored for **14 days**, but this section might not be available under your QoE license).

[illegible]

If the subscriber's activity falls within the default data retention period, proceed to the section [Searching for Subscriber Activity in the SSG GUI](#).

If the subscriber was active outside of the default time frame, it is recommended to add the NAT Flow section (preferably) — [instructions](#) or increase the retention period for Raw Full NetFlow (requires a lot of disk space) — [instructions](#).

Searching for Subscriber Activity in the SSG GUI

Option 1 (Recommended). NAT Flow

The ability to view subscriber activity data will become available after generating the NAT log — instructions [here](#).

In the SSG GUI, navigate to the QoE Analytics section → NAT Flow.

In the NAT Flow section, you need to:

1. Select the period
2. Enable the filters “IPv4 Source Address” and “IPv4 Destination Address” (check the boxes)
3. Set values for the enabled filters and apply the changes



Option 2. Raw Full NetFlow

In the SSG GUI, navigate to the QoE Analytics section → Raw Full NetFlow.

In the Raw Full NetFlow section, you need to:

1. Select the period (**by default, stored for only 2 hours!**)
2. Enable the filters “IPv4 Source Address” and “IPv4 Destination Address” (check the boxes)
3. Set values for the enabled filters and apply the changes

The screenshot shows the SSG GUI interface for the 'Raw full netflow' section. The 'Period' is set to '08/16/2024 11:22 - 08/16/2024 11:37'. The 'Filters' table is visible, showing the following filters:

Filter	Operator	Value
<input checked="" type="checkbox"/> On	Source IPv4-address	like 45.199.184.192
<input type="checkbox"/> Off	Source IPv6-address	like
<input type="checkbox"/> Off	Source port	like
<input type="checkbox"/> Off	Source AS number	like
<input checked="" type="checkbox"/> On	Destination IPv4-address	like 91.190.98.8
<input type="checkbox"/> Off	Destination IPv6-address	like
<input type="checkbox"/> Off	Destination port	like
<input type="checkbox"/> Off	Destination AS number	like
<input type="checkbox"/> Off	Net protocol	like
<input type="checkbox"/> Off	Application protocol	like

The 'Apply' button is highlighted in blue. The 'Help' button is also visible.

Enabling the NAT Flow Section



A QoE Standard license is required to enable this section. If you plan to use only this section under the license, you can purchase a discounted license. For more



information about licenses and to enable the section, contact your VAS Experts manager.

To be able to view subscriber IP address statistics in the future, it is recommended to enable the NAT Flow section, as its functionality should suffice for this task. NAT Flow determines time with an accuracy of up to 15 minutes; by default, data is stored for 14 days, but this period can be extended. Reports can be [viewed](#) in the GUI in the QoE Analytics section → NAT Flow. The ability to view subscriber activity data will become available after generating the NAT log — instructions [here](#).

Configuring Data Retention Period

If you need to configure the data retention period, you can do this in the GUI in the section Administrator → GUI Configuration → Settings → QoE Stor: Database Lifespan Settings. For Raw Full NetFlow, the item *Fullflow QoE Stor Main Log Lifespan in hours* **(1)**. For NAT Flow, the item *NAT QoE Stor Aggregated Log Lifespan in days* **(2)**.

The screenshot displays the VAS Experts GUI configuration page for 'QoE Stor: DB lifetime settings'. The left sidebar shows the navigation menu with 'Administrator' selected. The main panel shows the configuration page with various settings. Two items are highlighted with red boxes and numbered:

- 1**: QoE Stor fullflow main log lifetime in hours (QOESTOR_FULLFLOW_MAIN_LOG_PARTITIONS_LIFE_TIME_HOUR) set to 2.
- 2**: QoE Stor NAT aggregated log lifetime in days (QOESTOR_NAT_AGG_LOG_PARTITIONS_LIFE_TIME_DAYS) set to 14.

When increasing the data retention period, it is recommended to enable the deletion of old data when the disk is full: Administrator → GUI Configuration → Settings → QoE Stor: Disk Settings → Item *Enable Forced Data Relocation...* – select *Enable Data Deletion!* → Item *Relocation Coefficient for DEFAULT Disk...* – set the value to 0.1.



You can find out how much disk space logs occupy in the QoE Analytics section → Administrator → Reports → Tablespace Information.

