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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).

The screenshot displays the VAS Experts interface. On the left, a sidebar contains a search bar and a list of navigation items: SSG control, PCRF control, QoE analytics (selected), QoE dashboard, Netflow, Clickstream, Raw clickstream, GTP flow, Raw GTP flow, NAT flow (highlighted with a red box), Raw NAT flow, and DNS flow. The main area on the right is titled 'QoE analytics' and shows a 'Period' of '08/16/2024'. Below this is a 'Short raw log' table with columns for 'Flow start time' and 'Flow end time'. The table contains multiple rows of data, all showing '2024-08-16 11' for the start time and '20' for the end time.



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 “Source IPv4-address” and “Destination IPv4-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 “Source IPv4-address” and “Destination IPv4-Address” (check the boxes)
3. Set values for the enabled filters and apply the changes

The screenshot displays the VAS Experts SSG GUI interface. On the left sidebar, the 'QoE analytics' section is expanded, and 'Raw full netflow' is selected. The main panel shows a 'Filters' dialog box with the following configuration:

Filter	Operator	Value
☒ On	Source IPv4-address	like 45.199.184.192
☒ On	Destination IPv4-address	like 91.190.98.8
☐ Off	Source IPv6-address	like
☐ Off	Source port	like
☐ Off	Source AS number	like
☐ Off	Destination IPv6-address	like
☐ Off	Destination port	like
☐ Off	Destination AS number	like
☐ Off	Net protocol	like
☐ Off	Application protocol	like

The background shows a list of log entries with columns for time, session ID, and various metrics. The 'Raw full netflow' option is highlighted in the left sidebar.

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: DB lifetime settings. For Raw full netflow, the item *QoE Stor fullflow main log lifetime in hours* **(1)**. For NAT Flow, the item *QoE Stor NAT aggregated log lifetime 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 force moving data for DEFAULT disk* – select *Enable data removing!* → Item *Move factor for DEFAULT disk* – set the value to 0.1.

VAS Experts Administrator > GUI configuration

Search

SSG control
PCRF control
QoE analytics
VAS cloud services
Administrator
Equipment
Users
Roles
Users actions log
GUI configuration
GUI logs
GUI update
QoE Stor configuration
QoE Stor logs
IPFIX-balancer configuration
IPFIX-balancer logs
Version 2.34.20 S

Save The form Editor

Settings

Common

Jobs intervals and periods

QoE Stor: DB (Clickhouse) connection

QoE Stor: Raw log aggregation settings

QoE Stor: DB lifetime settings

QoE Stor: Discs settings

SMTP settings

System

DB (MySQL) connection

Ulr settings: System settings

Ulr settings: Web rules lists

Push notifications settings

SSO authorization settings

Maps settings

VasCloud settings

Cluster settings

Backup settings

Backup auto restoration settings

QoE Stor: Discs settings

Logs list to move to COLD disk (QOESTOR_LOGS_TO_MOVE_TO_COLD_DISK)

QoE Stor logs lifetime before moving to COLD disk, in hours (QOESTOR_LOGS_LIFETIME_BEFORE_MOVING_TO_COLD_DISK)

720

Days of week to COLD disk (QOESTOR_MOVE_OLD_PARTITIONS_TO_COLD_DISK_SCHEDULE_WEEK_DAYS)

Hours of day to COLD disk (QOESTOR_MOVE_OLD_PARTITIONS_TO_COLD_DISK_SCHEDULE_HOURS)

Enable force moving data for DEFAULT disk (QOESTOR_FORCE_MOVE_FROM_DEFAULT_DISK)

Enable data removing!

Move factor for DEFAULT disk (QOESTOR_FORCE_MOVE_FROM_DEFAULT_DISK_FACTOR)

0.1

Enable force moving data for HOT disk (QOESTOR_FORCE_MOVE_FROM_HOT_DISK)

Move factor for HOT disk (QOESTOR_FORCE_MOVE_FROM_HOT_DISK_FACTOR)

0.1

Enable force moving data for COLD disk (QOESTOR_FORCE_MOVE_FROM_COLD_DISK)

Move factor for COLD disk (QOESTOR_FORCE_MOVE_FROM_COLD_DISK_FACTOR)

0.1

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

