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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 (expanded), QoE dashboard, Netflow, Clickstream, Raw clickstream, GTP flow, Raw GTP flow, NAT flow, Raw NAT flow, and DNS flow. The 'Raw full netflow' and 'NAT flow' items are highlighted with red rectangular boxes. 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' section with a table of flow data. The table has columns for 'Flow start time' and 'Flow time'. The data rows show a repeating pattern of '2024-08-16 11' and '20'.

Flow start time	Flow time
2024-08-16 11	20
2024-08-16 11	20
2024-08-16 11	20
2024-08-16 11	20
2024-08-16 11	20
2024-08-16 11	20
2024-08-16 11	20
2024-08-16 11	20
2024-08-16 11	20
2024-08-16 11	20
2024-08-16 11	20
2024-08-16 11	20
2024-08-16 11	20
2024-08-16 11	20
2024-08-16 11	20



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

Subscription status: REMAIN 165 DAYS

Period: 2024

Filters:

Filter	Operator	Value
☒ Off Source IPv4-address	like	45.199.184.192
☒ Off Source port	like	
☒ Off Destination IPv4-Address	like	91.190.98.8
☐ Off Destination port	like	
☐ Off Post nat source	like	
☐ Off Post nat source	like	
☐ Off Login	like	
☐ Off Protocol	like	
☐ Off Event type	like	

Cancel Apply

Time	Title	Source IP	Source Port	Destination IP	Destination Port	Protocol	Event Type
2024-08-19 10:9:52		196.127.65.88	6881	38.250.158.68	53252		
2024-08-19 10:9:52		179.48.33.243	6881	38.250.158.68	31908		

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Export 100

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

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 shows the 'Administrator > GUI configuration' page in VAS Experts. The left sidebar lists various configuration categories, with 'Administrator' expanded. The main panel shows 'Settings' for 'QoE Stor: DB lifetime settings'. The settings are as follows:

Setting Name	Value
QoE Stor cache lifetime in seconds (QOESTOR_CACHE_LIFE_TIME_SEC)	3600
QoE Stor main log lifetime in hours (QOESTOR_MAIN_LOG_PARTITIONS_LIFE_TIME_HOUR)	2
QoE Stor aggregated log lifetime in days (QOESTOR_AGG_LOG_PARTITIONS_LIFE_TIME_DAYS)	14
QoE Stor fullflow main log lifetime in hours (QOESTOR_FULLFLOW_MAIN_LOG_PARTITIONS_LIFE_TIME_HOUR)	2
QoE Stor fullflow aggregated log lifetime in days (QOESTOR_FULLFLOW_AGG_LOG_PARTITIONS_LIFE_TIME_DAYS)	14
QoE Stor clickstream main log lifetime in hours (QOESTOR_CLICKSTREAM_MAIN_LOG_PARTITIONS_LIFE_TIME_HOUR)	2
QoE Stor clickstream aggregated log lifetime in days (QOESTOR_CLICKSTREAM_AGG_LOG_PARTITIONS_LIFE_TIME_DAYS)	14
QoE Stor NAT main log lifetime in hours (QOESTOR_NAT_MAIN_LOG_PARTITIONS_LIFE_TIME_HOUR)	2
QoE Stor NAT aggregated log lifetime in days (QOESTOR_NAT_AGG_LOG_PARTITIONS_LIFE_TIME_DAYS)	14
QoE Stor GTP main log lifetime in hours (QOESTOR_GTP_MAIN_LOG_PARTITIONS_LIFE_TIME_HOUR)	2

Red boxes highlight the following settings:

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

The screenshot shows the 'Administrator > GUI configuration' page in VAS Experts. The left sidebar lists various configuration categories, with 'Administrator' expanded. The main panel shows 'Settings' for 'QoE Stor: Discs settings'. The settings are as follows:

Setting Name	Value
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

A red box highlights the following settings:

- 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) - Value: 0.1

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

Search ×

Clickstream

Raw clickstream

GTP flow

Raw GTP flow

NAT flow

Raw NAT flow

DNS flow

Raw DNS flow

Subscribers

Online reports

Triggers & Alerts

Custom reports

Administrator

VAS cloud services ▼

Administrator ▼

Hardware SSH terminal ▼

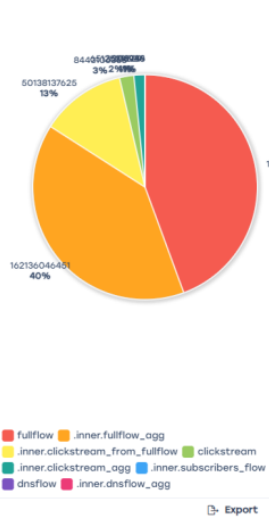
Version 2.34.20 S

Tablespace info

Table	Disk name	Cluster host	Min partition	Max partition	On disk, bytes
Q Filter	Q Filter	Q Filter			
fullflow	default	QoEStor	2024-08-15 09:00	2024-08-16 13:00	181,428,477,445
.inner.fullflow_ogg	default	QoEStor	2024-08-15 09:00	2024-08-16 13:00	162,136,046,451
clickstream	default	QoEStor	2024-08-15 09:00	2024-08-16 13:00	8,443,106,365
.inner.clickstream_ogg	default	QoEStor	2024-08-15 09:00	2024-08-16 13:00	6,512,529,829
.inner.subscribers_flow	default	QoEStor	2024-08-15 09:00	2024-08-16 13:00	30,118,739
dnsflow	default	QoEStor	2024-08-15 09:00	2024-08-16 13:00	206,946
.inner.dnsflow_ogg	default	QoEStor	2024-08-15 09:00	2024-08-16 13:00	178,995

8	8	2024-08-15 09:00:00	2024-08-16 13:00:00	408,688,802,395
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Tablespace info



Reports

- Queries processes list
- Tablespace info
 - Tablespace info
- Partitions info
- Caches info
- Aggregation raw logs fullflow info
- Dictionaries info