

Содержание

- QoE NAT Flow 3
 - Viewing raw NAT log* 3
 - Viewing Aggregated NAT Log* 4

QoE NAT Flow

NAT Log is exported from [Stingray Service Gateway](#) and accumulates in [QoEStor database](#). These statistics are used to generate reports on user behavior in the event of a request from government agencies.

[More about configuring NAT statistics collection in QoE stor](#)

Viewing raw NAT log

Go to: Main Menu → QoE Analytics → NAT Flow → Raw NAT Flow

The screenshot shows the 'QOE ANALYTICS / RAW NAT FLOW' interface. The left sidebar contains a navigation menu with options like 'QOE dashboard', 'Netflow', 'VAS Cloud Services', 'Administrator', 'Raw clickstream', 'Raw Gtp flow', 'Raw NAT flow', 'Subscribers', 'Triggers & Alerts', and 'Administrator'. The main area displays a table of NAT flow records. The table has columns for 'Source port', 'Destination', 'Destination', 'Post nat', 'Post nat', 'Login', 'Session ID', 'Net protocol', 'Event type', and 'DPI ID'. The records show various IP addresses and ports, with some entries highlighted in blue.

In the opened window you can select: period, DPI devices and manually set additional filters

This screenshot shows the same 'QOE ANALYTICS / RAW NAT FLOW' interface, but with additional filters applied. The 'Period' is set to '8/26/2021 15:16 - 8/26/2021 15:31' and 'For all DPI devices' is selected. The table of NAT flow records is filtered accordingly, showing only the relevant data for the specified period and devices. The interface also includes a 'Reports' section on the right with a 'Raw NAT flow' report.

Viewing Aggregated NAT Log

Go to: Main menu → QoE analytics → NAT Flow → NAT Flow

The screenshot shows the VAS Experts DPI interface. On the left, a sidebar menu lists various options: QoE, SERVICES CONTROL, QOE ANALYTICS, VAS CLOUD SERVICES, ADMINISTRATOR, Clickstream, Raw clickstream, Gtp flow, Raw Gtp flow, NAT flow, Raw NAT flow, Subscribers, Triggers & Alerts, and Administrator. The 'QOE ANALYTICS' menu is expanded, showing sub-items: QOE DASHBOARD, NETFLOW, CLICKSTREAM, GTP FLOW, NAT FLOW, SUBSCRIBERS, TRIGGERS & ALERTS, and ADMINISTRATOR. The 'NAT FLOW' item is selected, and a sub-menu is open showing 'NAT FLOW' and 'RAW NAT FLOW'. The 'NAT FLOW' item is selected, and a table of NAT flow entries is displayed. The table has columns: Source port, Destination, Destination, Post nat, Post nat, Login, Session ID, Net protocol, Event type, and DPI ID. The table shows several entries with source ports ranging from 101.136.256.23 to 101.144.50 and destination ports ranging from 22 to 18024. The table is filtered for 'For all DPI devices' and '10 minutes'.

Source port	Destination	Destination	Post nat	Post nat	Login	Session ID	Net protocol	Event type	DPI ID
22	24536	5.253.102.119	0	39768	0	0	0	0	0
7.136	41843	5.253.102.119	0	39768	0	0	0	0	0
0	101.136.256.23	3342	5.253.102.119	0	39768	0	0	0	0
0	101.909.64.176	22243	5.253.102.119	0	39768	0	0	0	0
0	101.0.54.81	41414	5.253.102.119	0	39768	0	0	0	0
0	191.0.32.96	2293	5.253.102.119	0	39768	0	0	0	0
0	100.89.210.152	39225	5.253.102.119	0	39768	0	0	0	0
0	100.1.44.50	18257	5.253.102.119	0	39768	0	0	0	0
0	1.64.194.109	6881	5.253.102.119	0	39768	0	0	0	0
0	1.64.132.153	20001	5.253.102.119	0	39768	0	0	0	0
0	1.62.213.252	49912	5.253.102.119	0	39768	0	0	0	0
0	1.4.199.52	18024	5.253.102.119	0	39768	0	0	0	0

In the opened window you can select: period, DPI devices and manually set additional filters. In the right sidebar, you can choose to generate reports by Tops: Top Subscribers, Top IP-addresses of hosts, Top IP-addresses NAT

The screenshot shows the VAS Experts DPI interface with the 'NAT Flow aggregated log' table. The table has columns: Time, Source IPV4, Source port, Destination, Destination, Post nat, Post nat, Login, Session ID, Net protocol, Event type, and DPI ID. The table shows several entries with source ports ranging from 85.176.16.12 to 85.148.93.63 and destination ports ranging from 36873 to 35957. The table is filtered for 'For all DPI devices' and '10 minutes'. On the right, a sidebar menu lists reports: NAT flow aggregated log, Top subscribers, Top hosts IPs, and Top post NAT IPs. The 'NAT flow aggregated log' report is selected.

Time	Source IPV4	Source port	Destination	Destination	Post nat	Post nat	Login	Session ID	Net protocol	Event type	DPI ID
2021-02-26 16:1	85.176.16.12	0	85.176.16.12	36873	5.253.102.183	0	33080	0	0	0	0
2021-02-26 16:1	85.63.70.45	0	85.63.70.45	64464	5.253.102.183	0	33080	0	0	0	0
2021-02-26 16:1	85.249.192.48	0	85.249.192.48	10899	5.253.102.183	0	33080	0	0	0	0
2021-02-26 16:1	85.208.29.221	0	85.208.29.221	13116	5.253.102.183	0	33080	0	0	0	0
2021-02-26 16:1	85.195.252.93	0	85.195.252.93	6881	5.253.102.183	0	33080	0	0	0	0
2021-02-26 16:1	85.191.04.197	0	85.191.04.197	43389	5.253.102.183	0	33080	0	0	0	0
2021-02-26 16:1	85.174.204.48	0	85.174.204.48	36816	5.253.102.183	0	33080	0	0	0	0
2021-02-26 16:1	85.174.201.283	0	85.174.201.283	47885	5.253.102.183	0	33080	0	0	0	0
2021-02-26 16:1	85.174.208.116	0	85.174.208.116	43793	5.253.102.183	0	33080	0	0	0	0
2021-02-26 16:1	85.174.193.42	0	85.174.193.42	42968	5.253.102.183	0	33080	0	0	0	0
2021-02-26 16:1	85.173.132.24	0	85.173.132.24	35957	5.253.102.183	0	33080	0	0	0	0
2021-02-26 16:1	85.17.248.14	0	85.17.248.14	80	5.253.102.183	0	33080	0	0	0	0
2021-02-26 16:1	85.15.64.2	0	85.15.64.2	60868	5.253.102.183	0	33080	0	0	0	0
2021-02-26 16:1	85.148.93.63	0	85.148.93.63	50672	5.253.102.183	0	33080	0	0	0	0
2021-02-26 16:1	85.148.6.137	0	85.148.6.137	49646	5.253.102.183	0	33080	0	0	0	0