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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 menu with options like 'QOE dashboard', 'NETFLOW', 'CLICKSTREAM', 'GTP FLOW', 'NAT FLOW', 'SUBSCRIBERS', 'TRIGGERS & ALERTS', and 'ADMINISTRATOR'. The 'NAT FLOW' option is selected, and a sub-menu is open showing 'NAT FLOW' and 'RAW NAT FLOW'. The 'RAW NAT FLOW' option is selected, and the main panel 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 having a '1' in the 'Event type' column.

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

The screenshot shows the 'QOE ANALYTICS / RAW NAT FLOW' interface with filters and a 'Raw NAT Flow' button. The 'Period' is set to '8/26/2021 15:16 - 8/26/2021 15:31'. The 'DPI devices' are set to 'For all DPI devices'. The 'Raw NAT Flow' button is highlighted. The table of NAT flow records is visible, showing columns for 'Time', 'Source IP', '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 having a '1' in the 'Event type' column.

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 dashboard, Netflow, Raw netflow, Clickstream, Raw clickstream, Gtp flow, Raw Gtp flow, NAT flow, Raw NAT flow, Subscribers, Triggers & Alerts, and Administrator. The 'NAT flow' option is selected. The main area displays the 'QOE ANALYTICS / NAT FLOW' section. It includes a subscription status indicator (REMAIN 363 DAYS) and a filter for 'For all DPI devices'. Below this, there's a table of NAT flow entries. The table has columns: Time, Source IP, Source port, Destination, Destination port, Post nat, Post nat port, Login, Session ID, Net protocol, Event type, and DPI ID. The table shows several entries for the period 2021-02-26 15:00 to 2021-02-26 15:10. The 'NAT FLOW' option is also highlighted in the sidebar menu.

Time	Source IP	Source port	Destination	Destination port	Post nat	Post nat port	Login	Session ID	Net protocol	Event type	DPI ID
2021-02-26 15:00	191.136.256.23	3342	5.253.102.119	0	39768	0	0	0	0	0	0
2021-02-26 15:00	191.909.64.176	22243	5.253.102.119	0	39768	0	0	0	0	0	0
2021-02-26 15:00	191.9.54.81	41414	5.253.102.119	0	39768	0	0	0	0	0	0
2021-02-26 15:00	191.9.32.96	2293	5.253.102.119	0	39768	0	0	0	0	0	0
2021-02-26 15:00	190.89.210.152	39225	5.253.102.119	0	39768	0	0	0	0	0	0
2021-02-26 15:00	190.1.44.50	18257	5.253.102.119	0	39768	0	0	0	0	0	0
2021-02-26 15:00	1.64.194.199	6881	5.253.102.119	0	39768	0	0	0	0	0	0
2021-02-26 15:00	1.64.132.153	20001	5.253.102.119	0	39768	0	0	0	0	0	0
2021-02-26 15:00	1.62.213.252	49912	5.253.102.119	0	39768	0	0	0	0	0	0
2021-02-26 15:00	1.4.199.52	18024	5.253.102.119	0	39768	0	0	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. On the left, a sidebar menu lists various options: QoE dashboard, Netflow, Raw netflow, Clickstream, Raw clickstream, Gtp flow, Raw Gtp flow, NAT flow, Raw NAT flow, Subscribers, Triggers & Alerts, and Administrator. The 'NAT flow' option is selected. The main area displays the 'QOE ANALYTICS / NAT FLOW' section. It includes a subscription status indicator (REMAIN 363 DAYS) and a filter for 'For all DPI devices'. Below this, there's a table of NAT flow entries. The table has columns: Time, Source IP, Source port, Destination, Destination port, Post nat, Post nat port, Login, Session ID, Net protocol, Event type, and DPI ID. The table shows several entries for the period 2021-02-26 15:00 to 2021-02-26 15:10. The 'NAT FLOW' option is also highlighted in the sidebar menu. In the right sidebar, there's a 'Reports' section with options: NAT flow aggregated log, Top subscribers, Top hosts IPs, and Top post NAT IPs. The 'NAT flow aggregated log' option is selected.

Time	Source IP	Source port	Destination	Destination port	Post nat	Post nat port	Login	Session ID	Net protocol	Event type	DPI ID
2021-02-26 15:00	85.19.16.12	36873	5.253.102.183	0	33080	0	0	0	0	0	0
2021-02-26 15:00	85.63.70.45	64664	5.253.102.183	0	33080	0	0	0	0	0	0
2021-02-26 15:00	85.249.192.48	15899	5.253.102.183	0	33080	0	0	0	0	0	0
2021-02-26 15:00	85.208.29.221	13116	5.253.102.183	0	33080	0	0	0	0	0	0
2021-02-26 15:00	85.195.252.93	6881	5.253.102.183	0	33080	0	0	0	0	0	0
2021-02-26 15:00	85.191.84.197	43389	5.253.102.183	0	33080	0	0	0	0	0	0
2021-02-26 15:00	85.174.284.48	38716	5.253.102.183	0	33080	0	0	0	0	0	0
2021-02-26 15:00	85.174.281.283	47885	5.253.102.183	0	33080	0	0	0	0	0	0
2021-02-26 15:00	85.174.288.116	43793	5.253.102.183	0	33080	0	0	0	0	0	0
2021-02-26 15:00	85.174.193.42	42968	5.253.102.183	0	33080	0	0	0	0	0	0
2021-02-26 15:00	85.173.132.24	35957	5.253.102.183	0	33080	0	0	0	0	0	0
2021-02-26 15:00	85.17.248.14	80	5.253.102.183	0	33080	0	0	0	0	0	0
2021-02-26 15:00	85.15.66.2	62868	5.253.102.183	0	33080	0	0	0	0	0	0
2021-02-26 15:00	85.148.93.63	59672	5.253.102.183	0	33080	0	0	0	0	0	0
2021-02-26 15:00	85.148.6.137	49646	5.253.102.183	0	33080	0	0	0	0	0	0