

Содержание

NAT Flow Configuration	3
<i>Configuring receiving a separate NAT Flow with DPI or NETSTREAM</i>	3
<i>Enabling import of NAT events from FullFlow</i>	4
<i>NAT Flow aggregation</i>	5

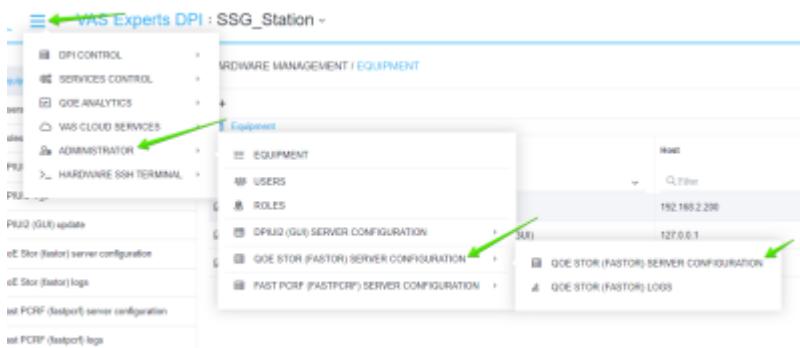
NAT Flow Configuration

There are 3 ways to generate a NAT log in QoE Stor (statistics server)

1. Receive NAT Flow in a separate flow with DPI. To do this, you need to configure the DPI on the device [export of broadcasts to external collectors](#);
2. Get NAT Flow from Netstream third party systems (non DPI);
3. Form NAT Flow from FullFlow using QoE Stor/

Configuring receiving a separate NAT Flow with DPI or NETSTREAM

- Go to: Main Menu → Administrator → QoE Stor Server Configuration → QoE Stor Server Configuration.



- Go to the "Receivers" section; add a new receiver; select "Receiver type" - NAT Flow; fill in the form for adding a receiver and click the "Apply" button;

The screenshot shows the "ADMINISTRATOR / QOE STOR (FASTOR) SERVER CONFIGURATION" page with the "Receivers" section selected. The configuration form includes the following fields:

Receiver type	Port type	Port	Rate in minutes	Delay in ms	Queue size	Insert	Report
NAT Flow (NetStream)	IP	1000	10	0	10	0	0
			12	400	10	0	0

Other visible sections include "FULLFLOW log settings", "CLICKSTREAM log settings", and "NAT log settings". A green arrow points to the "Receivers" link in the left sidebar. Another green arrow points to the "NAT Flow (NetStream)" dropdown in the "Receiver type" field. A third green arrow points to the "IP" dropdown in the "Port type" field. A fourth green arrow points to the "1000" value in the "Port" field. A fifth green arrow points to the "10" value in the "Rate in minutes" field. A sixth green arrow points to the "0" value in the "Delay in ms" field. A seventh green arrow points to the "10" value in the "Queue size" field. A eighth green arrow points to the "0" value in the "Insert" field. A ninth green arrow points to the "0" value in the "Report" field. A tenth green arrow points to the "Apply" button at the bottom right of the form.

- Go to the section of the form "NAT log settings"
- Enable populate IP-LISTEN binding from fullflow (FILL_IP_LISTEN_BINDING_FROM_FULLFLOW);
- Enable adding LISTEN to NAT log from binding IP-LISTEN (NAT_ADD_LISTEN_FROM_IP_LISTEN_BINDING).

ADMINISTRATOR / QOE STOR (FASTER) SERVER CONFIGURATION

NAT log settings

- Import NAT events from fullflow (NAT_IMPORT_FROM_FULLFLOW)
- Fields to save when aggregating NAT log (NAT_AGG_LOG_FIELDS_TO_SAVE_BITMAP)
 - Or1 - Protocol ID, Sx1 - Source IPv4, Sc100 - Session ID, Sv880 - DPI ID
- Time interval for aggregating NAT logs (NAT_AGG_LOG_GROUP_TIME_INTERVAL)
 - 15 minutes (by default)
- Enable filling IP_LOGIN bind from fullflow (FILL_IP_LOGIN_BINDING_FROM_FULLFLOW)
 - Enabled
- Enable adding LOGIN to NAT log from IP_LOGIN binding (NAT_ADD_LOGIN_FROM_IP_LOGIN_BINDING)
 - Enabled

Enabling import of NAT events from FullFlow

To enable import of events from FullFlow transmitted from DPI to QoE Stor:

- Go to: Main Menu → Administrator → QoE Stor Server Configuration → QoE Stor (Faster) Server Configuration;

ADMINISTRATOR

QoE Stor (Faster) Server Configuration

- Import NAT events from fullflow (NAT_IMPORT_FROM_FULLFLOW) - Enable.

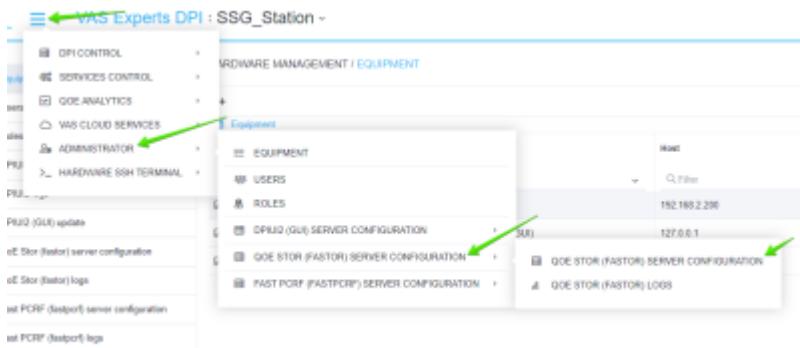
ADMINISTRATOR / QOE STOR (FASTER) SERVER CONFIGURATION

NAT log settings

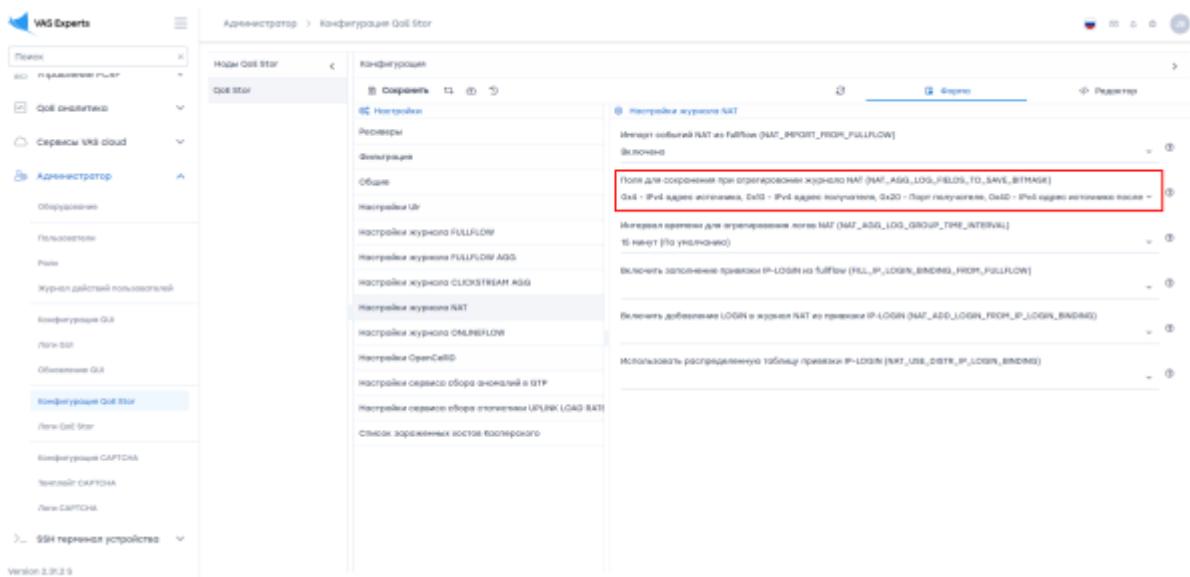
- Import NAT events from fullflow (NAT_IMPORT_FROM_FULLFLOW)
- Fields to save when aggregating NAT log (NAT_AGG_LOG_FIELDS_TO_SAVE_BITMAP)
 - Or1 - Protocol ID, Sx1 - Source IPv4, Sc100 - Session ID, Sv880 - DPI ID
- Time interval for aggregating NAT logs (NAT_AGG_LOG_GROUP_TIME_INTERVAL)
 - 15 minutes (by default)
- Enable filling IP_LOGIN bind from fullflow (FILL_IP_LOGIN_BINDING_FROM_FULLFLOW)
 - Enabled
- Enable adding LOGIN to NAT log from IP_LOGIN binding (NAT_ADD_LOGIN_FROM_IP_LOGIN_BINDING)
 - Enabled

NAT Flow aggregation

Go to: Main Menu → Administrator → QoE Stor Server Configuration → QoE Stor Server Configuration;



Select "NAT log settings" → Select fields to save during NAT log aggregation, Log filling time interval (15 minutes by default);



Save changes and restart the service.