

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

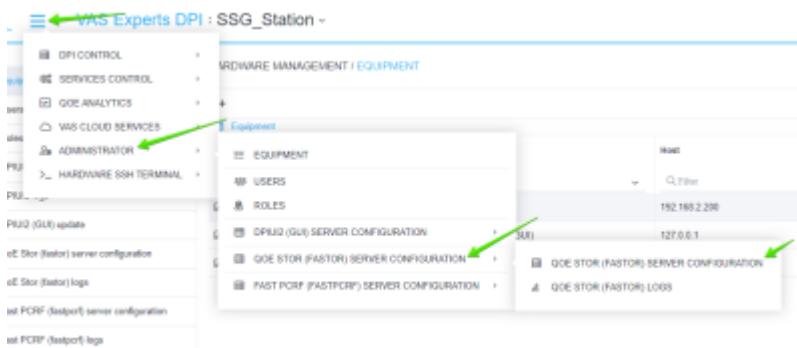
NAT Flow Configuration

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 'Receivers' configuration form in the QoE Stor Server Configuration interface. The 'Type receiver' dropdown is highlighted with a red box and set to 'NAT @full'. Other fields include 'Port' (1500), 'Rate limit in minutes' (10), 'Rate limit in seconds' (0), 'Exporter' (10.0.0.2/9920/tcp), 'Subscribers of balancer' (10.0.0.2/9920.10.0.0.3/3440), and 'Balancer auto' (disabled). The 'Apply' button is visible 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).

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 Server Configuration;

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

Настройки журнала NAT

Импорт событий NAT из fullflow (NAT_IMPORT_FROM_FULLFLOW)

Включено

Поля для сохранения при агрегировании журнала NAT (NAT_ADD_LOG_FIELD_TO_SHADE_BITMAP):
0x1 - ID протокола, 0x2 - Тип события, 0x4 - IPv4 адрес источника, 0x10 - Порт источника, 0x20 - Порт получателя

Интервал времени для агрегирования логов NAT (NAT_AGG_LOG_GROUP_TIME_INTERVAL):
15 минут (По умолчанию)

Включать заполнение привязки IP-LOGIN из fullflow (NAT_IP_LOGIN_BINDING_FROM_FULLFLOW)

Включено

Включить добавление LOGIN в журнал NAT из привязки IP-LOGIN (NAT_ADD_LOGIN_FROM_IP_LOGIN_BINDING)

Включено

Использовать распределенную таблицу привязки IP-LOGIN (NAT_USE_DISTR_IP_LOGIN_BINDING)

NAT Flow aggregation

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

Administrator

QOE ANALYTICS

ADMINISTRATOR

HARDWARE MANAGEMENT / EQUIPMENT

Equipment

EQUIPMENT

USERS

ROLES

DPIUI2 (GUI) SERVER CONFIGURATION

QOE STOR (FASTOR) SERVER CONFIGURATION

FAST PCRF (FASTPCRF) SERVER CONFIGURATION

QOE STOR (FASTOR) SERVER LOGS

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

The screenshot shows the VAS Experts application interface. The left sidebar contains a navigation tree with sections like SSG control, PCRF control, QoE analytics, VAS cloud services, and Administrator (which is expanded to show Equipment, Users, Roles, GUI configuration, GUI logs, and GUI update). The 'QoE Stor configuration' section is highlighted. The main content area has a header 'Administrator > QoE Stor configuration'. On the left, there's a 'QoE Stor nodes' tree with 'QoE Stor' selected. The right side shows the 'Configuration' tab with several settings groups: 'NAT log settings' (with a red box around it), 'Import NAT events from fullflow (NAT_IMPORT_FROM_FULLFLOW)', 'Enabled', 'Fields to save when aggregating NAT log (NAT_AGG_LOG_FIELDS_TO_SAVE_BITMASK)' (set to 0x4 - Source IPv4, 0x10 - Destination IPv4, 0x20 - Destination port, 0x40 - Post NAT source IPv4, 0x200 - Login), 'Time interval for aggregating NAT logs (NAT_AGG_LOG_GROUP_TIME_INTERVAL)' (set to 15 minutes (By default)), 'Enable filling IP-LOGIN bind from fullflow (FILL_IP_LOGIN_BINDING_FROM_FULLFLOW)', 'Enable adding LOGIN to NAT log from IP-LOGIN binding (NAT_ADD_LOGIN_FROM_IP_LOGIN_BINDING)', and 'Use distributed IP-LOGIN binding table (NAT_USE_DISTRIP_LOGIN_BINDING)'. At the bottom, there are 'Save', 'Cancel', 'Print', and 'Editor' buttons.