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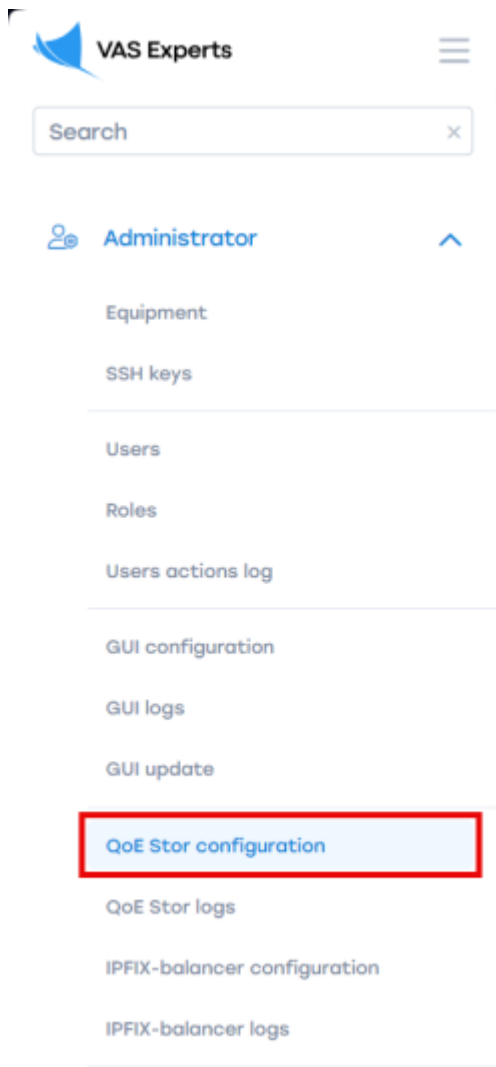
NAT Flow Configuration

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

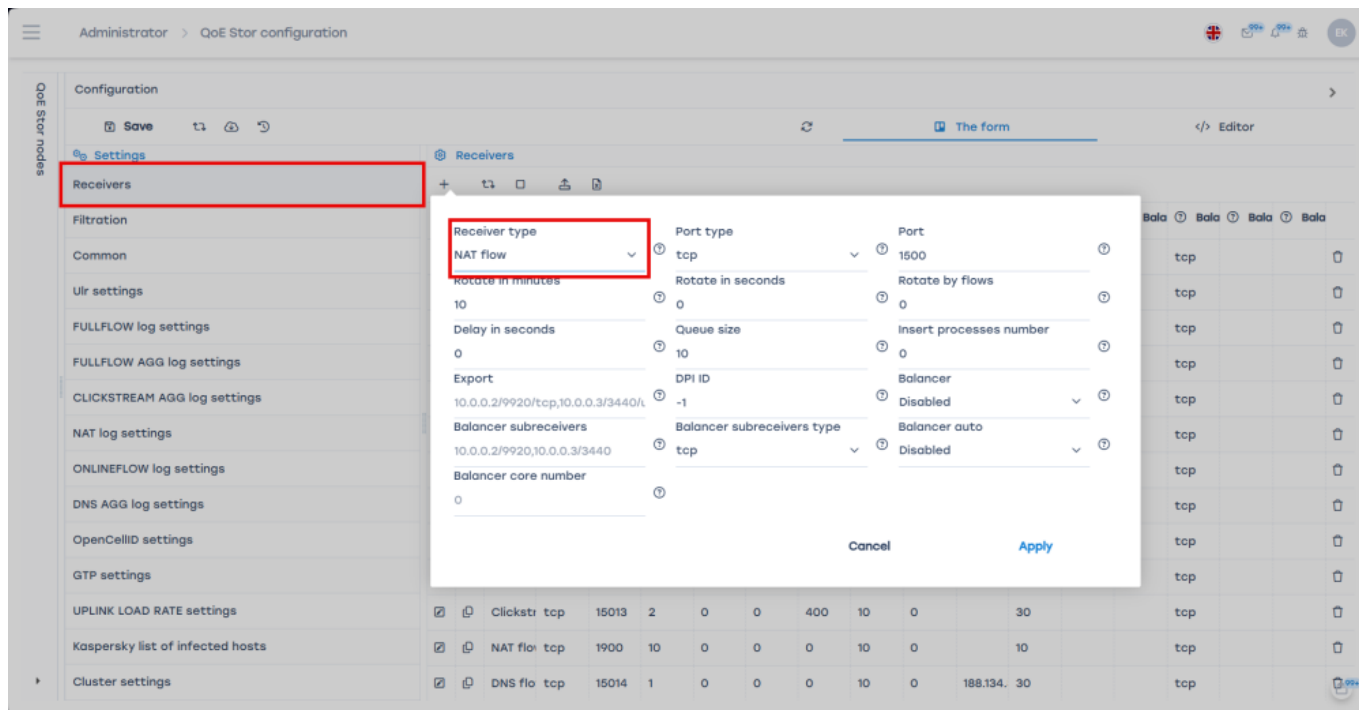
1. Receive NAT Flow in a separate flow with DPI. To do this, you need to configure the DPI on the device [export of broadcasts to external collectors](#);
2. Get NAT Flow from Netstream third party systems (non DPI);
3. Form NAT Flow from FullFlow using QoE Stor/

Configuring receiving a separate NAT Flow with DPI or NETSTREAM

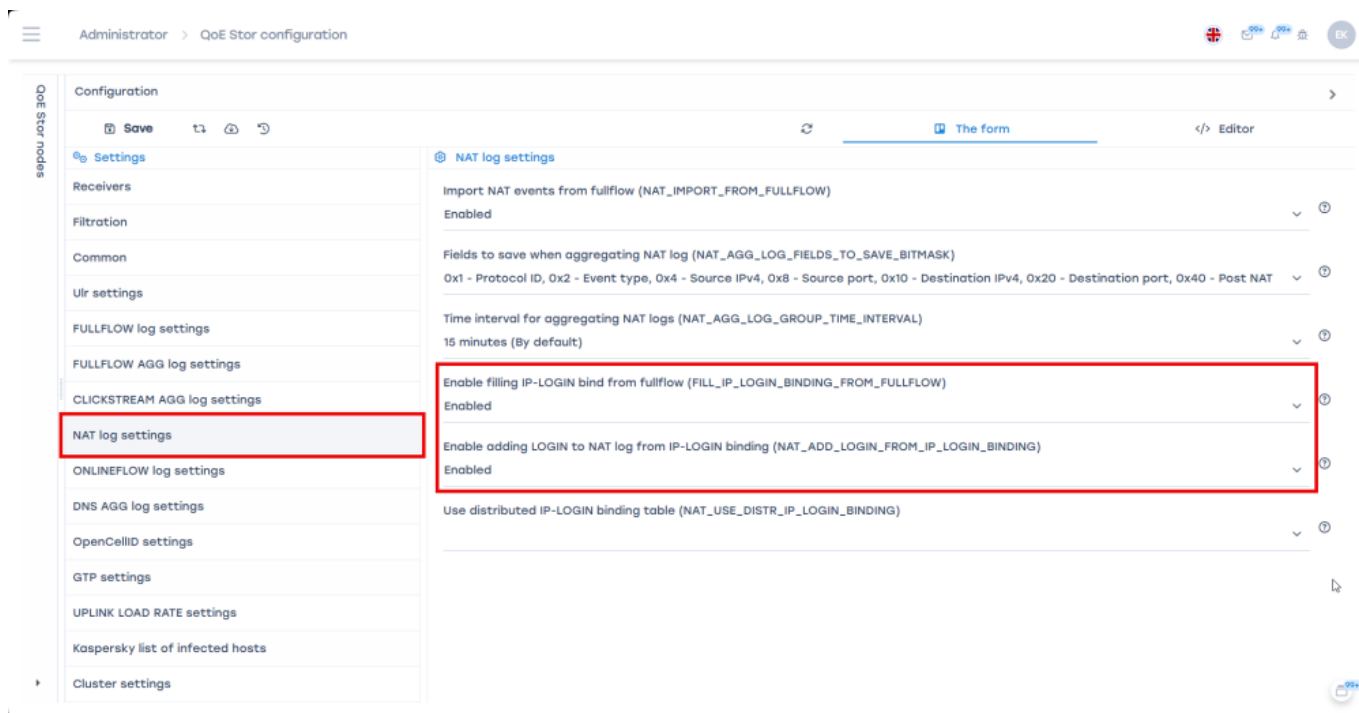
- Go to: Main Menu → Administrator → QoE Stor Server Configuration → QoE Stor Server Configuration.



- 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;



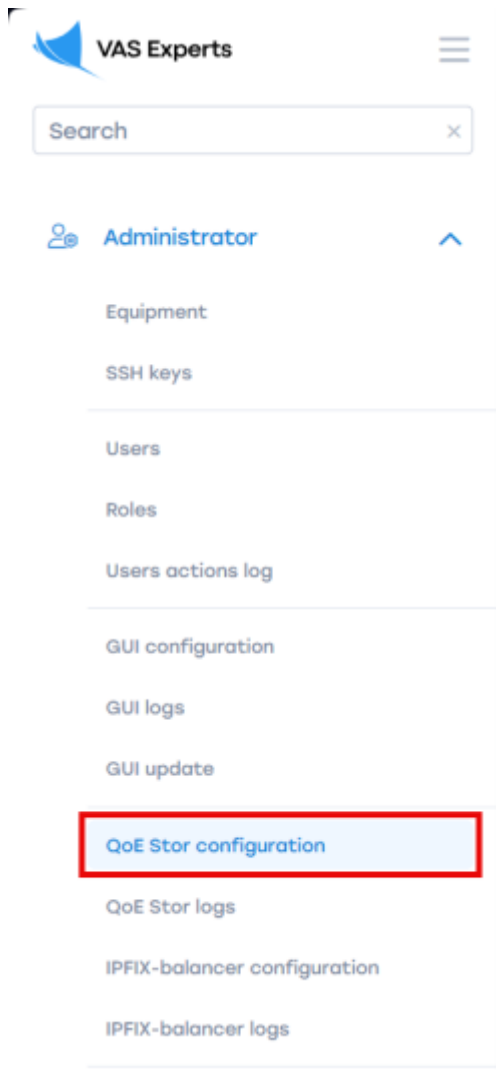
- Go to the section of the form "NAT log settings"
- Enable populate IP-LOGIN binding from fullflow (FILL_IP_LOGIN_BINDING_FROM_FULLFLOW);
- Enable adding LOGIN to NAT log from binding IP-LOGIN (NAT_ADD_LOGIN_FROM_IP_LOGIN_BINDING).



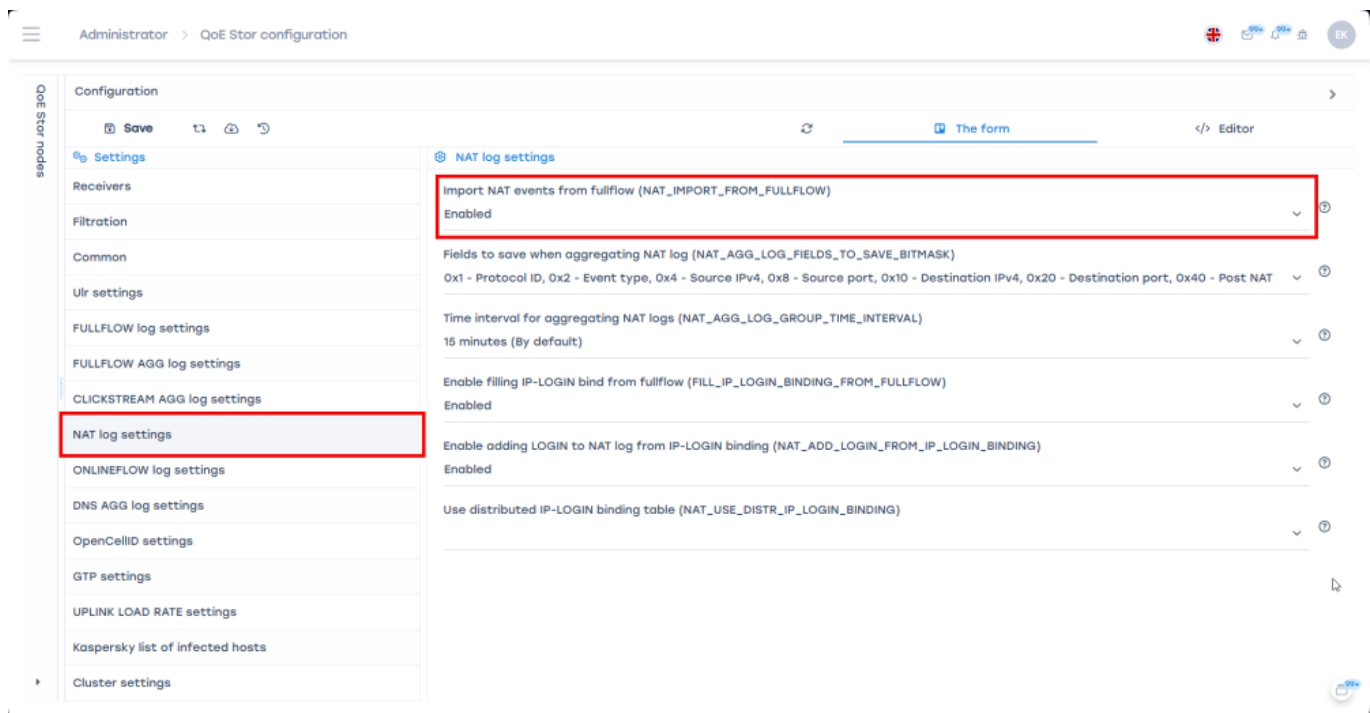
Enabling import of NAT events from FullFlow

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;

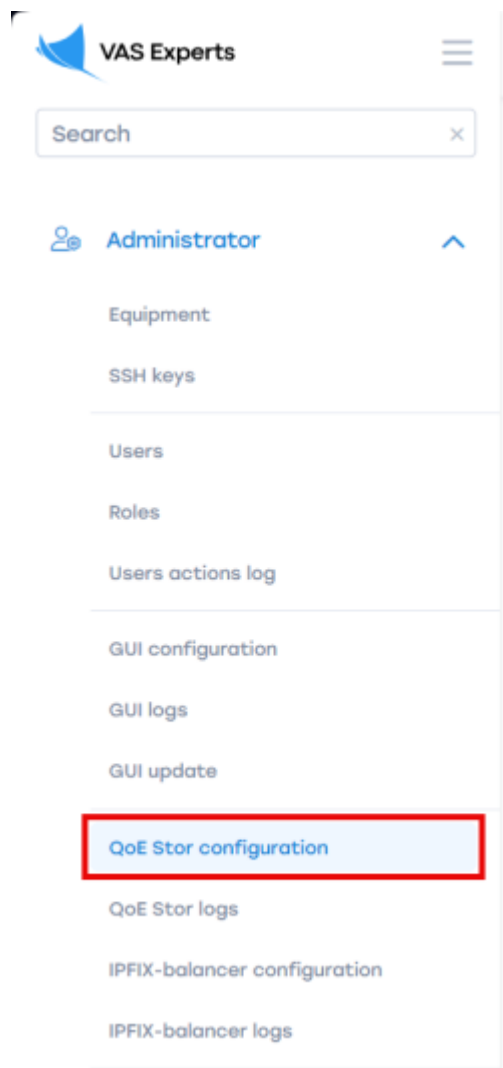


- Import NAT events from fullflow (NAT_IMPORT_FROM_FULLFLOW) - Enable.



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);

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NAT log settings

Import NAT events from fullflow (NAT_IMPORT_FROM_FULLFLOW)

Enabled

Fields to save when aggregating NAT log (NAT_AGG_LOG_FIELDS_TO_SAVE_BITMASK)

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)

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)

Use distributed IP-LOGIN binding table (NAT_USE_DISTR_IP_LOGIN_BINDING)

Save changes and restart the service.