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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

1. Go to: Administrator  $\rightarrow$  QoE Stor Configuration;



2. 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;

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- 3. Go to the section of the form "NAT log settings"
  - 1. Enable populate IP-LOGIN binding from fullflow (FILL\_IP\_LOGIN\_BINDING\_FROM\_FULLFLOW);
  - 2. Enable adding LOGIN to NAT log from binding IP-LOGIN (NAT\_ADD\_LOGIN\_FROM\_IP\_LOGIN\_BINDING).

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	Ulr settings	0x1 - Protocol ID, 0x2 - Event type, 0x4 - Source IPv4, 0x8 - Source port, 0x10 - Destination IPv4, 0x20 - Destination port, 0x40 - Post NAT	~	•								
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	UPLINK LOAD RATE settings											
	Kaspersky list of infected hosts											
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### **Enabling import of NAT events from FullFlow**

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

1. Go to: Administrator  $\rightarrow$  QoE Stor Configuration;

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	Equipment	
	SSH keys	
	Users	
	Roles	
	Users actions log	
	GUI configuration	
	GUI logs	
	GUI update	
	QoE Stor configuration	
	QoE Stor logs	
	IPFIX-balancer configuration	
	IPFIX-balancer logs	

2. Import NAT events from fullflow (NAT\_IMPORT\_FROM\_FULLFLOW) - Enable.

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© <sub>☉</sub> Settings	NAT log settings	
Receivers	Import NAT events from fullflow (NAT_IMPORT_FROM_FULLFLOW)	
Filtration	Enabled	
Common	Fields to save when aggregating NAT log (NAT_AGG_LOG_FIELDS_TO_SAVE_BITMASK)	
Ulr settings	0x1 - Protocol ID, 0x2 - Event type, 0x4 - Source IPv4, 0x8 - Source port, 0x10 - Destination IPv4, 0x20 - Destination port, 0x40 - Post NAT	
FULLFLOW log settings	Time interval for aggregating NAT logs (NAT_AGG_LOG_GROUP_TIME_INTERVAL) 15 minutes (By default)	
FULLFLOW AGG log settings		
CLICKSTREAM AGG log settings	Enable filling IP-LOGIN bind from fullflow (FILL_IP_LOGIN_BINDING_FROM_FULLPLOW) Enabled	,
NAT log settings	Enable adding LOGIN to NAT log from IP-LOGIN binding (NAT_ADD_LOGIN_FROM_IP_LOGIN_BINDING)	
ONLINEFLOW log settings	Enobled	,
DNS AGG log settings	Use distributed IP-LOGIN binding table (NAT_USE_DISTR_IP_LOGIN_BINDING)	
OpenCellID settings		
GTP settings		
UPLINK LOAD RATE settings		
Kaspersky list of infected hosts		

### **NAT Flow aggregation**

1. Go to: Main Menu  $\rightarrow$  Administrator  $\rightarrow$  QoE Stor Server Configuration  $\rightarrow$  QoE Stor Server

Configuration;

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	Users	
	Roles	
	Users actions log	
	GUI configuration	
	GUI logs	
	GUI update	
	QoE Stor configuration	
	QoE Stor logs	
	IPFIX-balancer configuration	
	IPFIX-balancer logs	

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

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	QoE Stor configuration			Kaspersky list of infected hosts			
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3. Save changes and restart the service.