

Table of Contents

QoE Stor Configuration	3
QoE Stor Nodes	3
Configuration	3
1 Receivers	3
2 Filtering	5
3 General	5
4 URL Settings	6
5 FULLFLOW Log Settings	6
6 CLICKSTREAM Log Settings	6
7 NAT Log Settings	6
8 ONLINEFLOW Log Settings	6
9 OpenCellID settings	7
Token OpenCellID	8
Save settings	9

QoE Stor Configuration

To go to the section, click the ADMINISTRATOR menu item, then click the QOE STOR CONFIGURATION menu item.

The screenshot shows the VAS Experts Administrator interface. The left sidebar has a search bar and a menu with the following items: SSG control, PCRF control, QoE analytics, VAS cloud services, Lawful interception, Administrator (selected), Equipment, Users, Roles, GUI configuration, GUI logs, GUI update, QoE stor configuration (highlighted), QoE stor logs, and Hardware SSH terminal. The main content area is titled 'Administrator > QoE Stor configuration'. It features a 'QoE Stor nodes' sidebar with 'QoE in VAS Cloud' selected. The main configuration area has a 'Configuration' tab with a 'Save' button and a 'Receivers' table. The table has columns: Receiver, Port, Port, Rotab, Rotab, Rotab, Delay, Queue, Insert, Export, and DPI ID. The table contains five rows of data.

Receiver	Port	Port	Rotab	Rotab	Rotab	Delay	Queue	Insert	Export	DPI ID
Netflow	tcp	1600	1	5	0	0	10	0	95.52.241	3
Netflow	tcp	15010	10	0	0	0	10	0		10
Netflow	tcp	1700	1	0	0	0	10	0		7
Clickstre	tcp	1601	1	0	0	40	10	0	95.52.241	3
Clickstre	tcp	15011	12	0	0	400	10	0		10
Clickstre	tcp	1701	1	0	0	40	10	0		7

QoE Stor Nodes

This subsection contains the user's servers. To create or view a custom server that provides access to work in the "QoE Stor Configuration", you need to go to [«Equipment»](#)

Configuration

This subsection contains the following settings:

1 Receivers

To add it, click on the **"Add receiver"** button, fill in the following parameters in the window that opens:

Receiver type	Port type	Port
Netflow	tcp	0
Rotate in minutes	Rotate in seconds	Rotate by flows
10	0	0
Delay in seconds	Queue size	Insert processes number
0	10	0
Export	DPI ID	
10.0.0.2/9920/tcp,10.0.0.3/3440/h	-1	

Cancel Apply

- **The receiver type** is selected from the drop-down list.
- **Rotation in minutes** is specified manually by the user. Implies the period of the receiver dump or the period of data loading into the databas.

By default: receiver type – Netflow, rotation – 10 min; receiver type – Clickstream, rotation - 12 min.

Note: Do not change the value unnecessarily.

- **The delay in seconds** is specified manually by the user. Implies a delay in loading data from the database.

By default: receiver type – Netflow, delay – 0 sec; receiver type – Clickstream, delay - 400 sec.

Note: Do not change the value unnecessarily.

- **Exporting** data to other servers. The server address is entered manually by the user.
- **The port type** is selected from the drop-down list.
- **Rotation in seconds** is specified manually by the user. Implies the period of the receiver dump or the period of data loading into the database.

Note: If this option is enabled, the rotation in minutes option is automatically disabled.

- **The queue size** is specified manually by the user. Implies the size of the receiver dump download queue.

Default value: 10.

Note: Do not change the value unnecessarily.

- **The DPI ID** specifies the DPI number. If the value "-1" is specified or not specified, then the DPI number is determined by the recipient's order in the list.



Note: Do not change the value unnecessarily.

- **The port** is a unique parameter and is entered manually by the user.

By default: receiver type – Netflow, port – 1500; receiver type – Clickstream, port - 1501.

- **Rotation by the number of entries in the flow.** It works simultaneously with the rotation parameter in minutes or seconds.
- **The number of dump insertion processes.** Without having to change the value.

To change the saved receiver, click on the "Change" button located to the left of each receiver.
To remove the receiver, click on the "Delete" button located to the right of each receiver.

<input checked="" type="checkbox"/>	Netflow	tcp	15010	10	0	0	0	10	0	10	
<input checked="" type="checkbox"/>	Netflow	tcp	1700	1	0	0	0	10	0	7	

2 Filtering

All parameters are specified by selecting from the output list.
To explain the selection, you can click on the auxiliary button located to the right of each parameter.

Filtration

Traffic direction definition (TRAFFIC_DIR_DEF_MODE)

As is

▼ ⓘ

Subscribers filter (SUBSCRIBER_FILTER_MODE)

No filter

▼ ⓘ

Exclusions from the subscribers filter (SUBSCRIBER_EXCLUDE_MODE)

No exclude

▼ ⓘ

Subscribers bind mode (SUBSCRIBER_BIND_MODE)

▼ ⓘ

Traffic direction definition

0 - 'As is' - The direction of traffic does not change and is determined by the DPI

1 - 'By AS' - The direction of traffic is determined by the list of operator's AS specified in the dictionary

2 - 'By CIDR' - The direction of traffic is determined by the CIDRs list specified in the dictionary

3 - 'By both: AS and CIDR'

4 - 'By any: AS or CIDR'

3 General

Parameters are specified by selecting from the output list, URLs are entered manually by the user.
To explain the selection, you can click on the auxiliary button located to the right of each parameter.

Common

QoE Stor outupdate (ENABLE_AUTOUPDATE) Under construction!

Autoload of hosts (urls) categories dictionaries (URLS_CATEGORIES_DIC_AUTOLOAD_ENABLED)
Enabled

URL for downloading of hosts (urls) categories dictionaries (URLS_CATEGORIES_DIC_URL)
<https://cloud.vsexperts.ru/api/clsfr>

Autoload AS numbers dictionary (ASNUM_DIC_AUTOLOAD_ENABLED)
Enabled

Autoload protocols dictionary (PRTCLS_DIC_AUTOLOAD_ENABLED)

URL for downloading protocols dictionary (PRTCLS_DIC_URL)
<https://cloud.vsexperts.ru/api/prtcls>

Autoload custom protocols dictionary (CUSTOM_PRTCLS_DIC_AUTOLOAD_ENABLED)
Enabled

URL for downloading custom protocols dictionary (CUSTOM_PRTCLS_DIC_URL)
https://cloud.vsexperts.ru/api/custom_prtcls/qoe/888888888/test

4 URL Settings

All parameters are specified by selecting from the drop-down list. To explain the selection, you can click on the auxiliary button located to the right of each parameter.

5 FULLFLOW Log Settings

All parameters are specified by selecting from the output list. To explain the selection, you can click on the auxiliary button located to the right of each parameter.

6 CLICKSTREAM Log Settings

All parameters are specified by selecting from the drop-down list. To explain the selection, you can click on the auxiliary button located to the right of each parameter.

7 NAT Log Settings

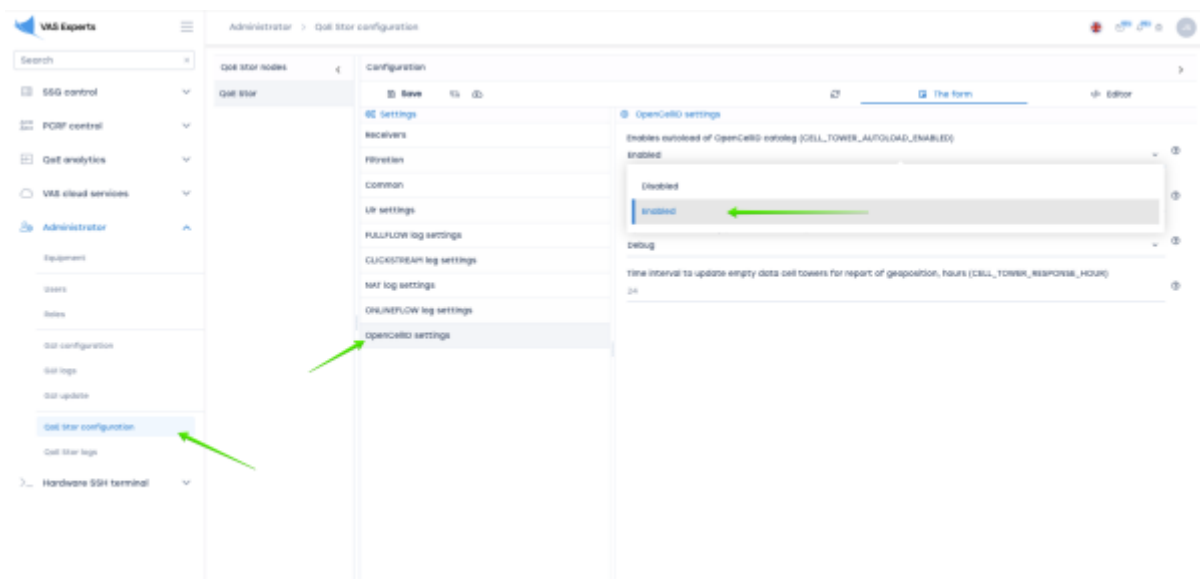
All parameters are specified by selecting from the output list. To explain the selection, you can click on the auxiliary button located to the right of each parameter.

8 ONLINEFLOW Log Settings

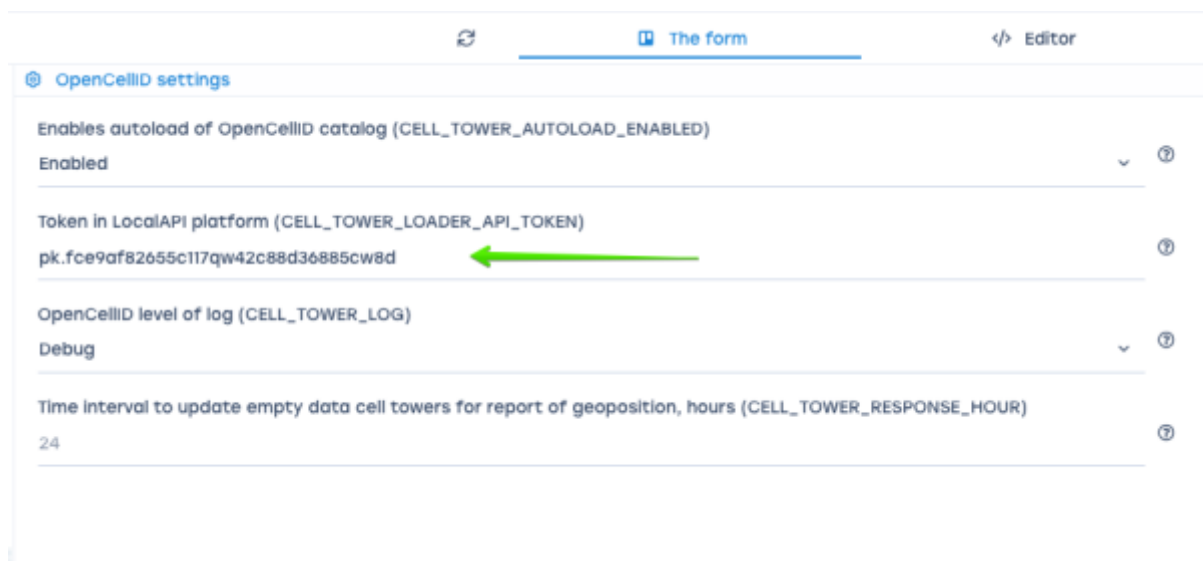
All parameters are specified by selecting from the output list. To explain the selection, you can click on the auxiliary button located to the right of each parameter.

9 OpenCellID settings

To enable autoload of OpenCellID catalog, select **“Enabled”**.



- **CELL_TOWER_LOADER_API_TOKEN** - token in LocalAPI platform. [Get a token in the service LocationAPI.](#)



- **CELL_TOWER_LOG** - level of log.

The screenshot shows the 'OpenCellID settings' interface. It has three tabs at the top: a refresh icon, 'The form', and 'Editor'. The 'The form' tab is active. The settings are as follows:

- Enables autoload of OpenCellID catalog (CELL_TOWER_AUTOLOAD_ENABLED)**: Set to 'Enabled'.
- Token in LocalAPI platform (CELL_TOWER_LOADER_API_TOKEN)**: Set to 'pk.fce9af82655c117qw42c88d36885cw8d'.
- OpenCellID level of log (CELL_TOWER_LOG)**: Set to 'Info'. A green arrow points to this dropdown, which is open, showing 'Info' (selected) and 'Debug'.

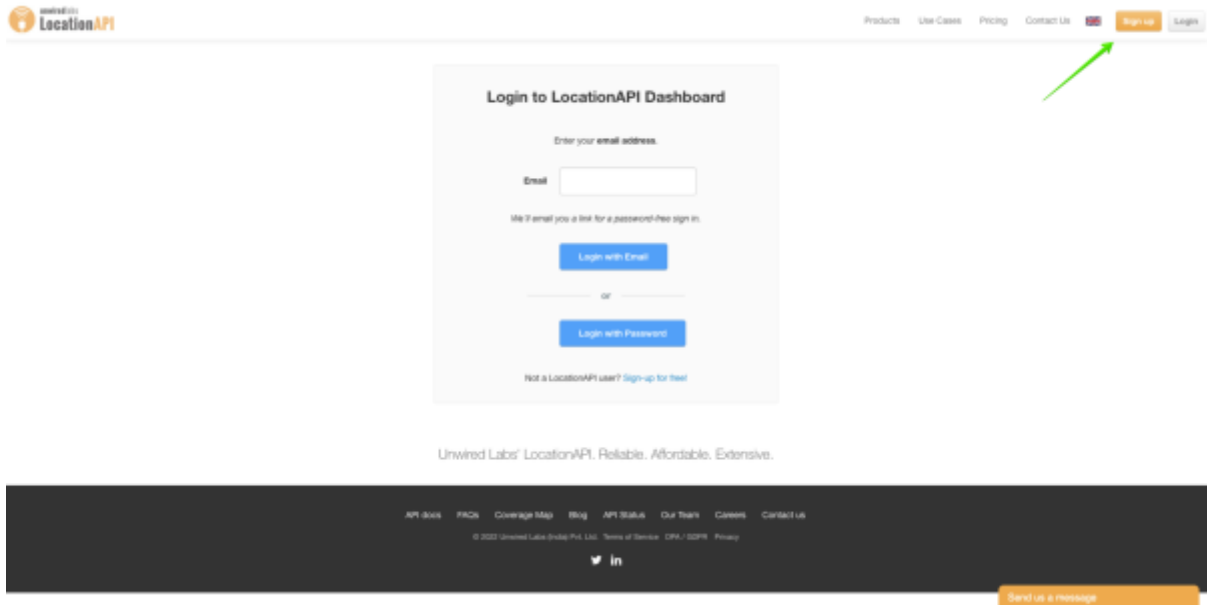
- **CELL_TOWER_RESPONSE_HOUR** - time interval to update empty data cell towers for report of geo position, hours.

The screenshot shows the 'OpenCellID settings' interface with the 'The form' tab active. The settings are as follows:

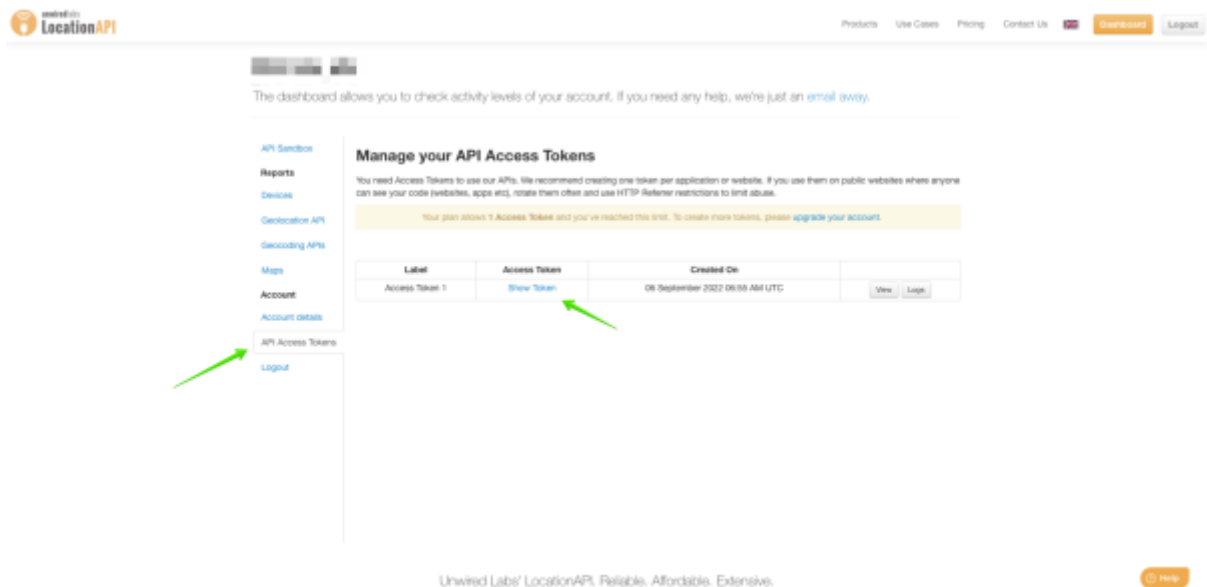
- Enables autoload of OpenCellID catalog (CELL_TOWER_AUTOLOAD_ENABLED)**: Set to 'Enabled'.
- Token in LocalAPI platform (CELL_TOWER_LOADER_API_TOKEN)**: Set to 'pk.fce9af82655c117qw42c88d36885cw8d'.
- OpenCellID level of log (CELL_TOWER_LOG)**: Set to 'Info'.
- Time interval to update empty data cell towers for report of geoposition, hours (CELL_TOWER_RESPONSE_HOUR)**: Set to '24'. A green arrow points to this value.

Token OpenCellID

- Sign up [LocationAPI](#)



- Move to **API Access Tokens**, click **Show Token**, copy token.



Save settings

To save the settings in the configuration, click on the **"Save"** button located on the left in the toolbar.
To restart the configuration, click on the **"Restart"** button located in the toolbar.
To update the settings, click on the **"Update"** button located in the toolbar.

