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# QoE Stor Configuration

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

Receiver	Port t	Port	Rotab	Rotab	Rotab	Delay	Queue	Insert	Export	DPI ID
<input checked="" type="checkbox"/> Netflow	tcp	1600	1	5	0	0	10	0	95.52.241	3
<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
<input checked="" type="checkbox"/> Clickstre	tcp	1601	1	0	0	40	10	0	95.52.241	3
<input checked="" type="checkbox"/> Clickstre	tcp	15011	12	0	0	400	10	0		10
<input checked="" type="checkbox"/> 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/	-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 databases.

*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.

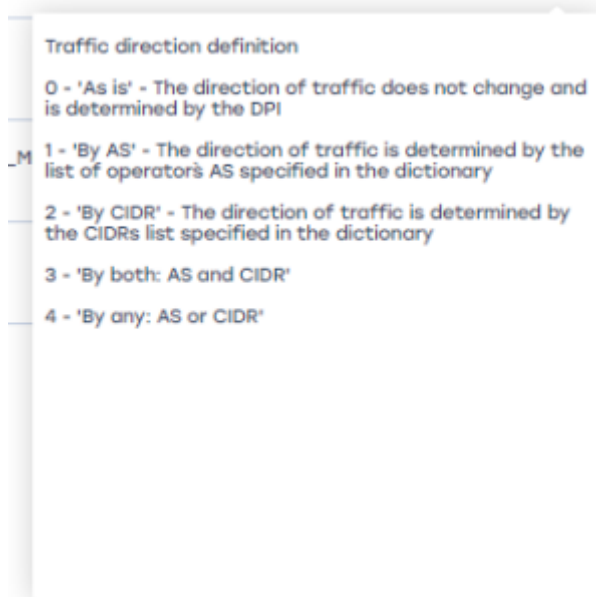
**Filtration**

Traffic direction definition (TRAFFIC\_DIR\_DEF\_MODE)  
As is ▼ 

Subscribers filter (SUBSCRIBER\_FILTER\_MODE)  
No filter ▼ 

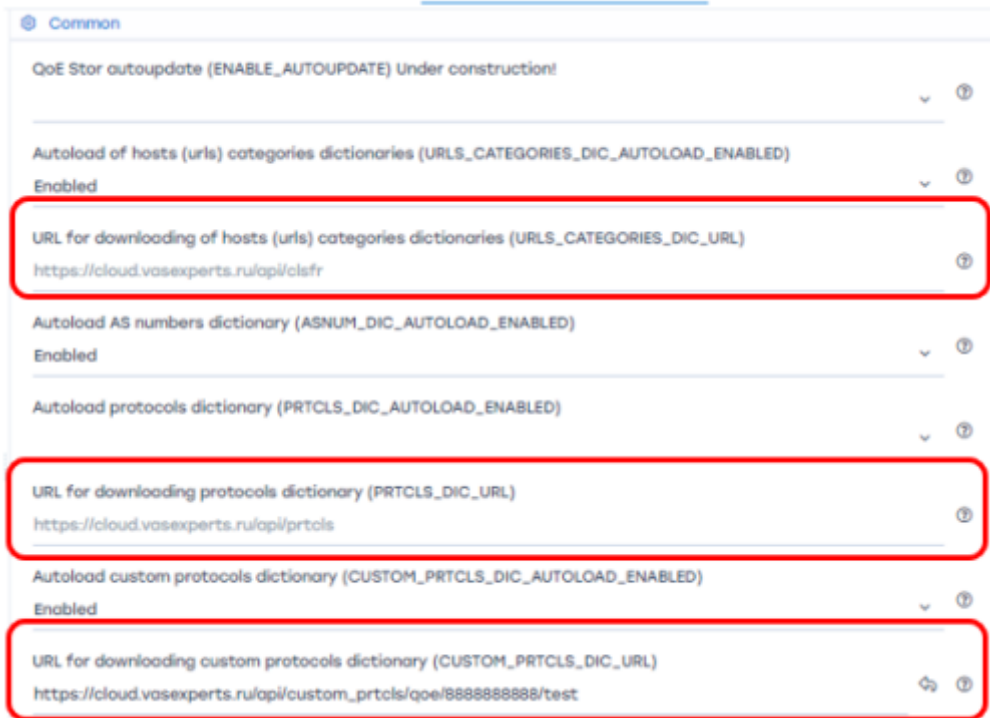
Exclusions from the subscribers filter (SUBSCRIBER\_EXCLUDE\_MODE)  
No exclude ▼ 

Subscribers bind mode (SUBSCRIBER\_BIND\_MODE)  
▼ 



## 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.




## 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.

Параметр	Описание	Возможные значения
FULLFLOW_COMPRESS_ENABLE	 <p><b>Экспериментальный параметр, НЕ изменять самостоятельно!</b></p> <p>Включить фоновое сжатие логов FULLFLOW</p>	<p>0 — Отключено 1 — Включено</p>

Параметр	Описание	Возможные значения
FULLFLOW_REPLACE_IP_CLASS_WITH_ORIGINAL_TOS	<p>Включить DSCP из исходного TOS</p> <p>Позволяет использовать исходное значение ToS (Type of Service) из IP-заголовка пакета вместо значения, назначенного DPI. При включении параметра в статистике и QoE будет отображаться класс трафика, извлечённый из originalTOS.</p> <p>В IPFIX от DPI передаются два поля:</p> <ul style="list-style-type: none"> <li>- IP_CLASS_OF_SERVICE — класс трафика, назначенный DPI на основе настроек DSCP (по протоколам и автономным системам)</li> <li>- originalTOS — исходное значение поля ToS из IP-заголовка до обработки DPI (первые 3 бита содержат класс трафика)</li> </ul> <p>По умолчанию используется IP_CLASS_OF_SERVICE. При включении параметра используется значение из originalTOS.</p> <p><b>Важно:</b> для корректной передачи полного значения DSCP необходимо установить netflow_tos_format=1 в файле fastdpi.conf. В противном случае передаётся только класс трафика, а не все биты DSCP.</p>	<p>0 — Отключено 1 — Включено</p>

Параметр	Описание	Возможные значения
IPFIX_FULLFLOW_ENBALE_BLOCKED_DATA	<p>Включить сбор информации о заблокированном трафике</p> <p>Включает сбор статистики по заблокированному трафику: количество отброшенных пакетов и байт.</p>	<p>0 — Отключено</p> <p>1 — Включено</p>
IPFIX_FULLFLOW_BLOCKED_DROP_THRESHOLD	<p>Порог значения для определения трафика как drop</p> <p>Если отношение числа отброшенных пакетов к числу пропущенных превышает указанный порог, такой трафик маркируется как Заблокированный.</p>	<p>Коэффициент от 0 до 1, включая числа с плавающей точкой.</p> <p>Значение по умолчанию: 0.9</p>
IPFIX_FULLFLOW_BLOCKED_POLICING_THRESHOLD	<p>Порог значения для определения трафика как полисинг</p> <p>Если отношение числа отброшенных пакетов к числу пропущенных превышает указанный порог, такой трафик маркируется как Подвергшийся полисингу.</p>	<p>Коэффициент от 0 до 1, включая числа с плавающей точкой.</p> <p>Значение по умолчанию: 0.1</p>

Параметр	Описание	Возможные значения
FULLFLOW_VOIP_GROUP_FIELDS_ENABLE	<p>Включить данные VOIP трафика</p> <p>Данная настройка включает обработку и сбор статистики для формирования отчётов по VOIP-трафику.</p> <p><b>Важно:</b> параметр является комплексным и требует участия специалистов технической поддержки. Само по себе его включение не приведёт к появлению отчётов или каких-либо видимых результатов — необходима дополнительная настройка системы.</p>	<p>0 — Отключено</p> <p>1 — Включено</p>

## 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

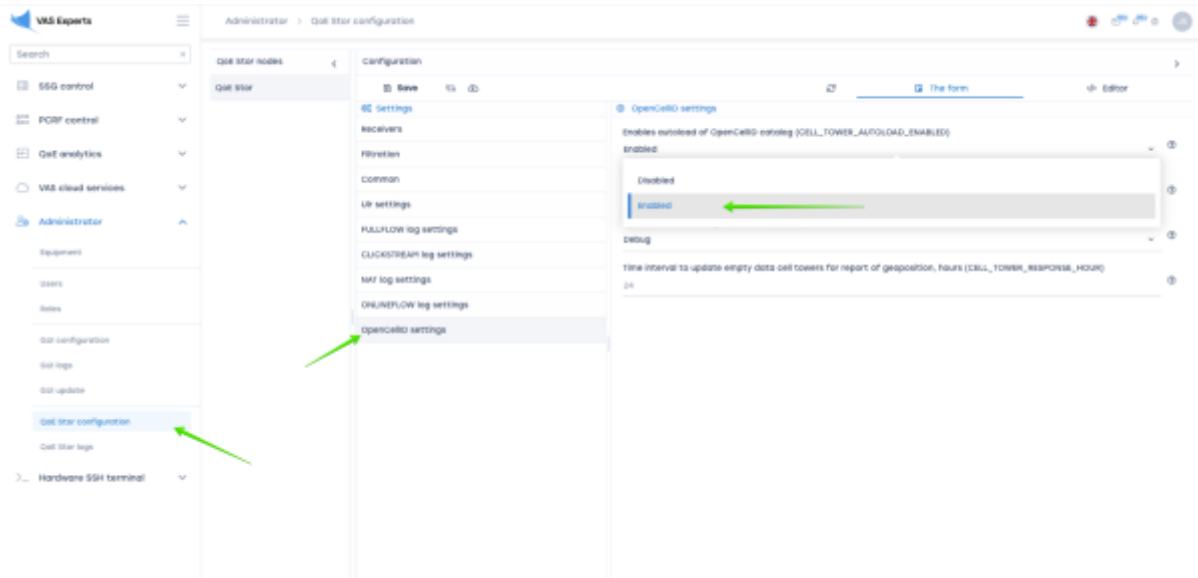
All parameters are specified by selecting from the output list. To explain the selection, you can click on the auxiliary button located to the right of each parameter.

## 8 ONLINEFLOW Log Settings

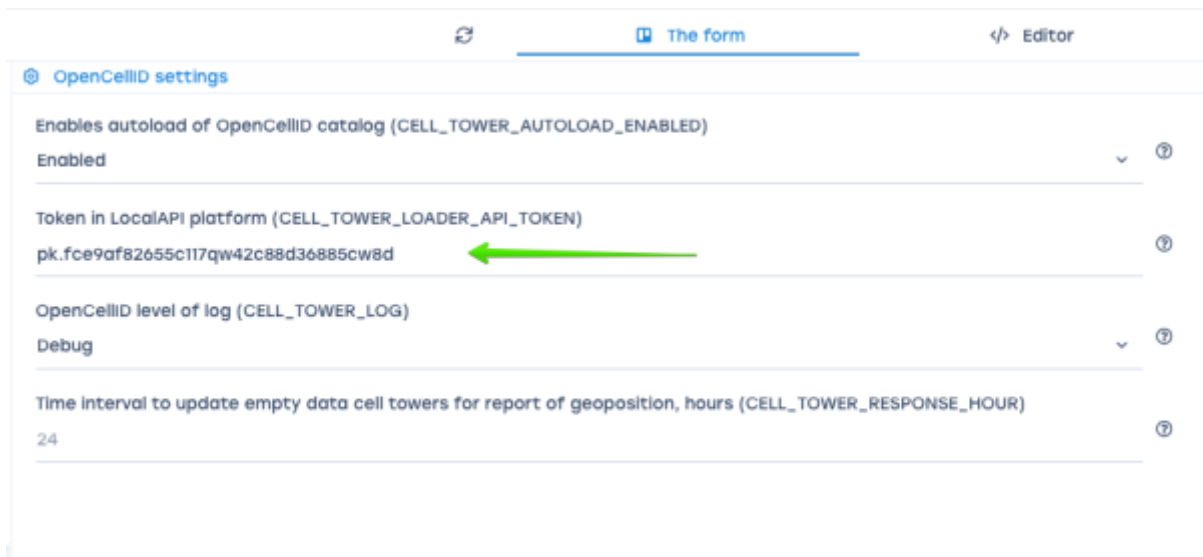
All parameters are specified by selecting from the output list. To explain the selection, you can click on the auxiliary button located to the right of each parameter.

## 9 OpenCellID settings

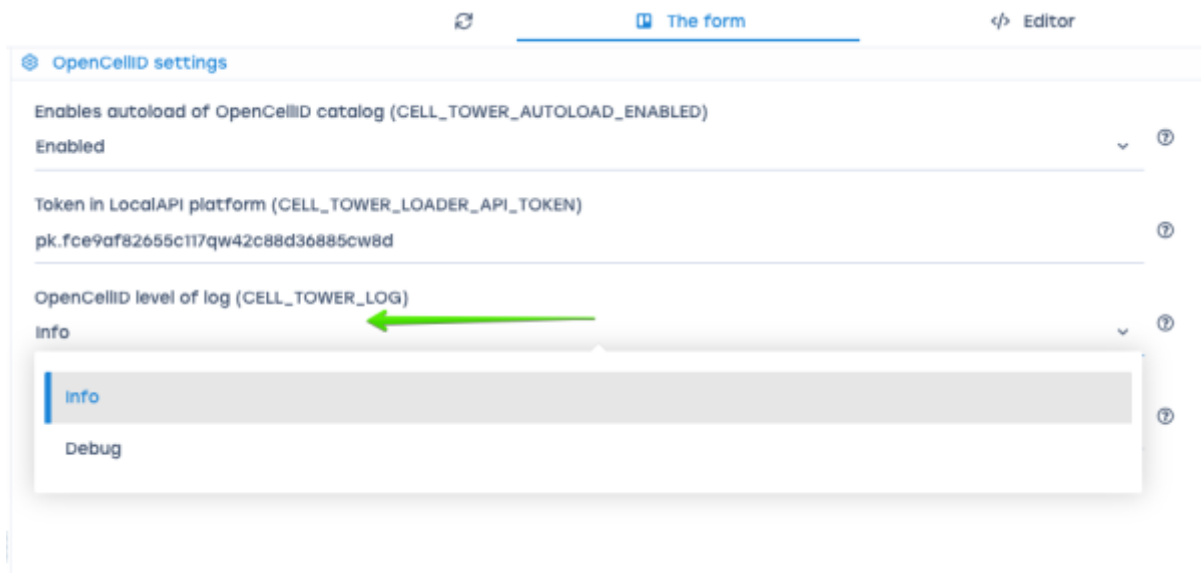
To enable autoload of OpenCellID catalog, select **“Enabled”**.



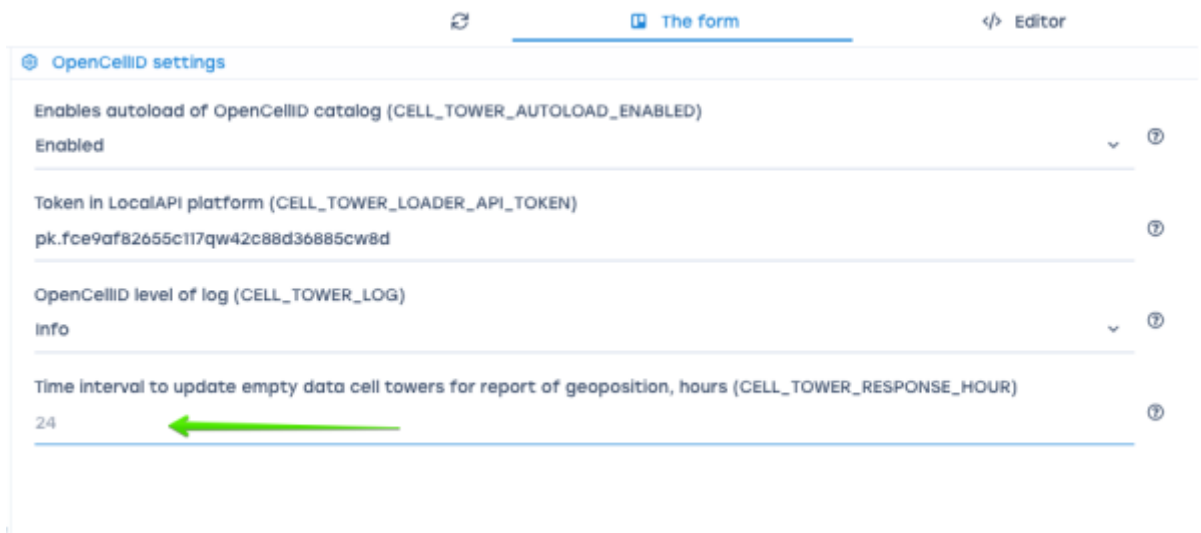
- **CELL\_TOWER\_LOADER\_API\_TOKEN** - token in LocalAPI platform. [Get a token in the service LocationAPI.](#)



- **CELL\_TOWER\_LOG** - level of log.



- **CELL\_TOWER\_RESPONSE\_HOUR** - time interval to update empty data cell towers for report of geo position, hours.



## Token OpenCellID

- Sign up [LocationAPI](#)

### Login to LocationAPI Dashboard

Enter your email address.

Email

We'll email you a link for a password-free sign in.

[Login with Email](#)

or

[Login with Password](#)

Not a LocationAPI user? [Sign-up for free!](#)

Unwired Labs' LocationAPI. Reliable. Affordable. Extensive.

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

The dashboard allows you to check activity levels of your account. If you need any help, we're just an [email away](#).

- API Sandbox
- Reports
- Devices
- Geolocation API
- Geocoding APIs
- Maps
- Account
- Account details
- API Access Tokens
- Logout

### Manage your API Access Tokens

You need Access Tokens to use our APIs. We recommend creating one token per application or website. If you use them on public websites where anyone can see your code (websites, apps, etc), rotate them often and use HTTP Referrer restrictions to limit abuse.

Your plan allows 1 Access Token and you've reached this limit. To create more tokens, please [upgrade your account](#).

Label	Access Tokens	Created On	
Access Token 1	<a href="#">Show Token</a>	08 September 2022 06:55 AM UTC	<a href="#">View</a> <a href="#">Logs</a>

## 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.

