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Large report manager

The "My Reports" section is designed for generating large reports in the background (covering a period of several days or more). For operators with a large subscriber base, such reports take considerable time and create a high database load. This section allows background report generation and queue management for multiple reports.

Creating a new report

There are two ways to create a report generation task:

1. Go to "QoE Analytics" → "My Reports". Click "+" (Add task) on the panel above the task list.

The screenshot shows the 'QoE Analytics' interface. The sidebar on the left has 'QoE analytics' (1) and 'My reports' (2) highlighted. The main panel shows a table of reports with columns: id, Task name, Period from, Period to, State, Report, Cache, Cache progress, Cache lifetime, Priority, and No que. The table contains two rows: 'Traffic speed' (State: Done) and 'Top subscribers with high RTT' (State: gh RTT, Cache progress: 0.00%). A '+' button (3) is located above the table.

id	Task name	Period from	Period to	State	Report	Cache	Cache progress	Cache lifetime	Priority	No que
1	Traffic speed	05.02.2025 10:00	05.02.2025 11:59	Done			100%	02/26/2025 16:35	1	
2	Top subscribers with high RTT	gh RTT	17.02.2025 17:00	17.02.2025 18:59			0.00%		1	

2. Go to "QoE Analytics", open the report section, and select the desired report. On the panel above the report list, click the arrow next to the "Refresh" button and choose "Create task from report".



In this case, the "Report" field in the task creation window will be filled automatically.

The screenshot shows the VAS Experts QoE analytics interface. On the left, a sidebar lists navigation options: QoE analytics (1), Netflow (2), Raw full netflow, Clickstream, Raw clickstream, GTP flow, Raw GTP flow, NAT flow, Raw NAT flow, DNS flow, Raw DNS flow, Subscribers, Online reports, Triggers & Alerts, Custom reports, and My reports. The main area displays a table titled "Top subscribers with high traffic" with columns for Subscriber, Login, Traffic speed, Traffic speed from, Traffic speed to, Traffic volume, Traffic volume from, and Traffic volume to. A task creation window is overlaid on the right, with a "CREATE REPORT TASK" button (5) and a list of report categories. The "Top subscribers" category (3) is selected. A red arrow (4) points to the task creation window's title bar.

Subscriber	Login	Traffic speed	Traffic speed from	Traffic speed to	Traffic volume	Traffic volume from	Traffic volume to
46.243.181.242		474.1 Mbit/s	298.1 Mbit/s	176 Mbit/s	340.6 Gb	214.2 Gb	126.5 Gb
188.227.33.196		348.7 Mbit/s	292.8 Mbit/s	56 Mbit/s	250.6 Gb	210.4 Gb	40.2 Gb
188.227.33.195		335.4 Mbit/s	282.6 Mbit/s	52.8 Mbit/s	241 Gb	203 Gb	37.9 Gb
188.227.33.197		324.8 Mbit/s	273.4 Mbit/s	51.4 Mbit/s	233.4 Gb	196.5 Gb	36.9 Gb
188.227.33.198		320.8 Mbit/s	269 Mbit/s	51.5 Mbit/s	230.3 Gb	193.3 Gb	37 Gb
46.243.181.36		165.9 Mbit/s	1.9 Mbit/s	164 Mbit/s	119.2 Gb	1.3 Gb	117.8 Gb
45.151.108.15		122.8 Mbit/s	116.4 Mbit/s	6.5 Mbit/s	88.3 Gb	83.6 Gb	4.6 Gb
46.243.180.194		107.6 Mbit/s	4.2 Mbit/s	103.4 Mbit/s	77.2 Gb	3 Gb	74.2 Gb
45.151.108.103		104.8 Mbit/s	96.6 Mbit/s	8.3 Mbit/s	75.3 Gb	69.4 Gb	5.9 Gb
46.243.182.51		101.8 Mbit/s	60.8 Mbit/s	61.1 Mbit/s	73.2 Gb	36.5 Gb	36.7 Gb
78.140.242.22		98.7 Mbit/s	49.3 Mbit/s	49.4 Mbit/s	70.9 Gb	35.4 Gb	35.5 Gb
46.243.184.57		95.5 Mbit/s	66.9 Mbit/s	29.6 Mbit/s	69.4 Gb	48.1 Gb	21.3 Gb
46.243.182.25		87.7 Mbit/s	43.7 Mbit/s	44 Mbit/s	63 Gb	31.4 Gb	31.6 Gb
78.140.241.58		78.4 Mbit/s	57.5 Mbit/s	20.9 Mbit/s	56.3 Gb	41.3 Gb	15 Gb
80.242.109.186	80.242.109.186	74.2 Mbit/s	3.9 Mbit/s	70.3 Mbit/s	53.2 Gb	2.8 Gb	50.3 Gb
59.621	59.621						

The task creation window will open:

The "Create task" window contains the following fields and options:

- 1. **Task name ***: Top subscribers with high traffic
- 2. **Report ***: Top subscribers with high traffic
- 3. **Period from**: 19.02.2025 15:00
- 4. **Maximum execute time**: 4 hours
- 5. **Time to store cache**: 7 days
- 6. **Priority ***: 1
- 7. **Send to email**: (Email address, PDF)
- 8. **Split report**: (Hours)
- 9. **Delayed start**: (Time: 16:43, Date: 19.02.2025)

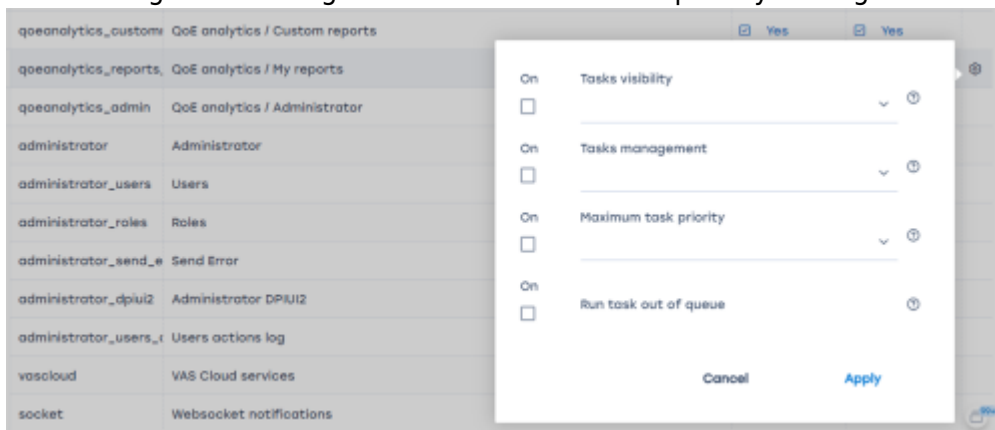
Buttons at the bottom: Cancel, Save, Save and run.

Available settings:

1. **Task name** — automatically populated from the report name, but can be changed.
2. **Report** — if the task is created from a specific report, it will be prefilled; otherwise, select it from the dropdown list.
You can also apply filters and adjust the report display using the "Filter" and "Report settings" buttons to the right of the "Report" field. See [Filters in QoE reports](#) for details.

3. **Report period** (“Period from” and “Period to”) — select the time range for data inclusion.
4. **Maximum execution time** — the maximum duration (in hours) for report generation. If the report takes longer than this limit, execution will stop.
Default is 4 hours. For reports covering a month or more, set 12 or 24 hours.
5. **Cache lifetime** — the duration (in days) for storing cached data for report loading. Default is 7 days. Cache is used to build subsequent reports based on previously collected data for optimization.
6. **Priority settings:**
 - **Priority** — task execution order from 1 (lowest) to 10 (highest). Tasks with higher priority are executed first. If two tasks share the same priority, the one created earlier runs first.
 - **No queue** — defines whether the task runs immediately, bypassing the queue. If enabled, the task is executed first regardless of others.

Role settings for user logins can restrict access to priority management:



7. **Report delivery setup** — send the generated report by email or Telegram.
 - **Send by email** — check the box, enter the email address, and choose the file format (PDF or Excel).
 - **Send to Telegram** — check the box, enter the channel ID, and select the file format (PDF or Excel). See [QoE Triggers and Notifications → Step 5. Actions](#) for where to find the channel ID.

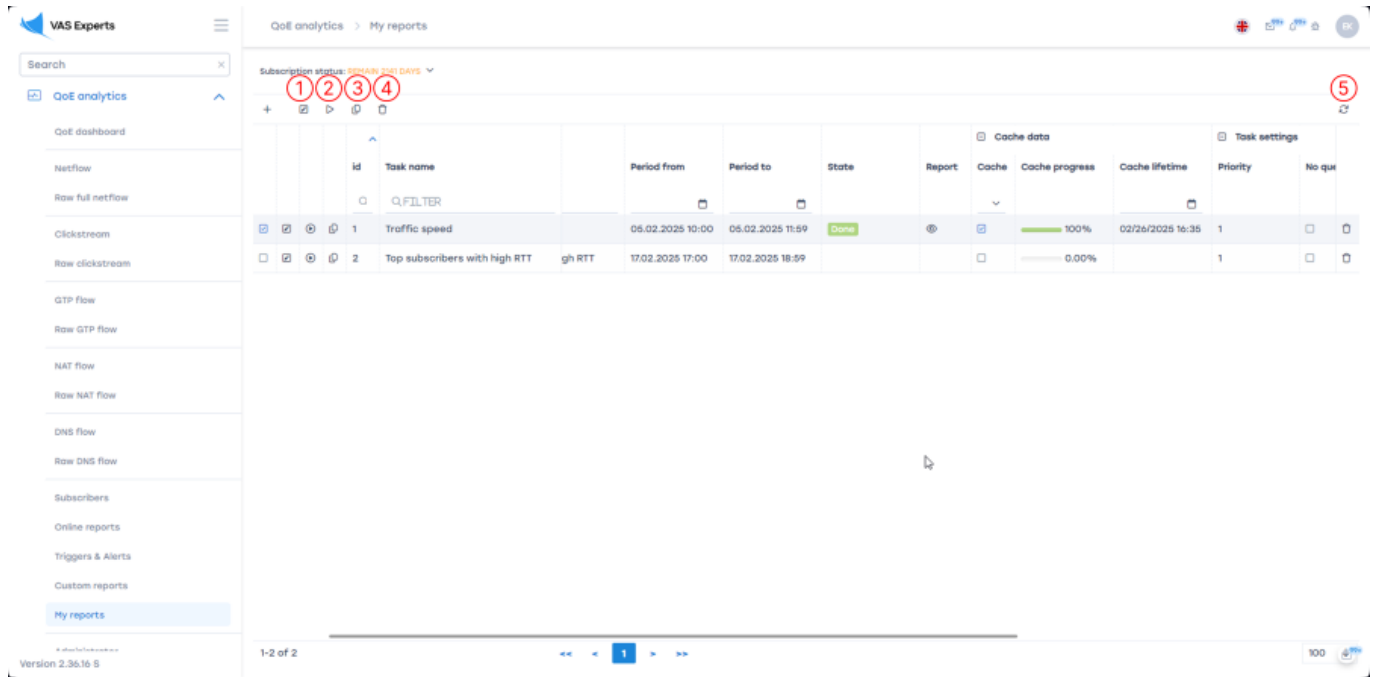


Regardless of whether email or Telegram delivery is configured, the report is always saved in the “My Reports” section. The storage period is determined by “Cache lifetime”.

8. **Split report** — divides a large report into several parts based on the specified number of hours. For example, if set to 3 hours, the report will be split into subreports, each covering 3 hours.
Maximum of 100 queries.
Useful for generating very large reports (e.g., monthly) that might exceed memory or file size limits (up to 1 million records).
9. **Delayed start** — schedules the report generation for a specific time instead of starting immediately.

Managing generated reports

Go to “QoE Analytics” → “My Reports”.



Available task management actions:

1. Edit
2. Start
3. Copy
4. Delete
5. Refresh task list

You can monitor task execution status in the corresponding table column.

To view a generated report: click the view icon in the “Report” column, then click “Open report” in the window that appears.

