

# 4.6. Setup - Reports

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# Traffic

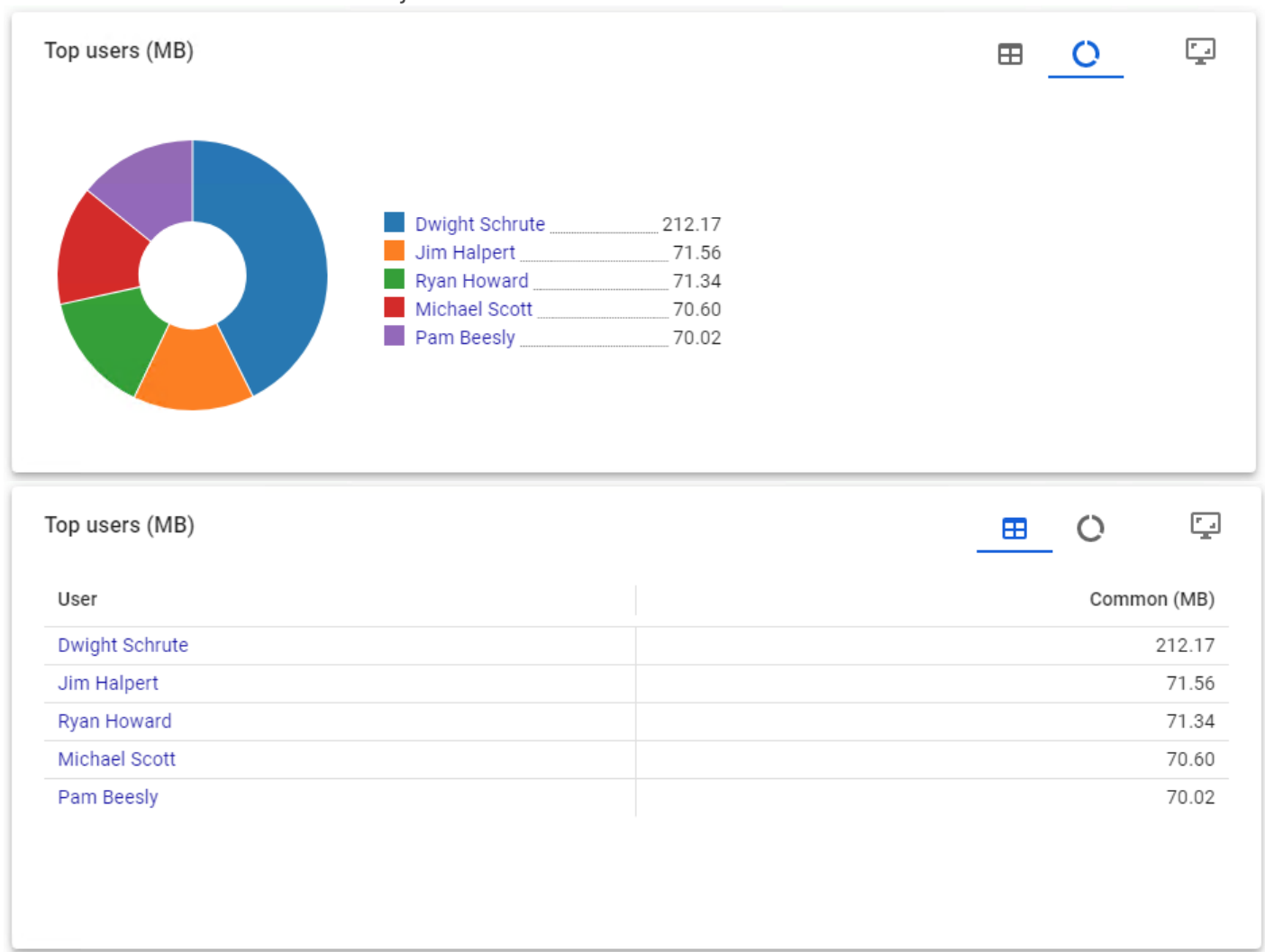
Statistics from Application Control and Content Filter.

The section automatically collects statistics from the **Content filter** (categories and sites) and **Application Control** (protocols), collecting it into widgets with default filters.

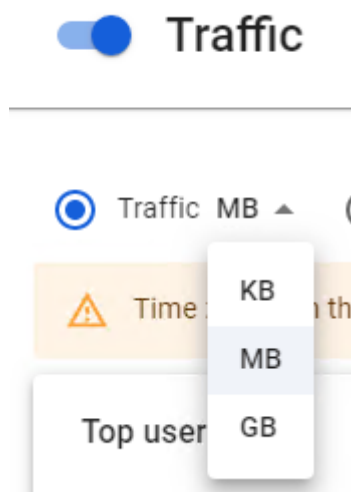
## Information display method:

Pie Chart (pie icon) and table (table icon)

Contains the top 5 objects. Each object is clickable and leads to a page with widgets in which statistics are filtered for this object.



The unit of measurement can be changed in the upper left corner:



### Expanded mode (monitor icon)

Contains data on all objects from the top. To search by objects, use the **Filter** (filter icon).

Traffic / Top users

☒ Traffic MB ☐ Requests

Aug 31, 2022 - Aug 31, 2022

⚠ Time zones on the server and the browser do not match. Note, reports use server time and timezone.

Columns Filters Density

User	Requests	Common	In	Outgoing
Dwight Schrute	21,254	212.18	172.92	39.26
Jim Halpert	17,367	71.56	35.88	35.68
Ryan Howard	17,452	71.34	35.72	35.62
Michael Scott	17,270	70.60	35.38	35.22
Pam Beesly	17,061	70.02	34.98	35.05

If the flag in the **Requests** line is set in the upper left corner, then the objects will be filtered in descending order by the **Requests** column. If **Traffic**, then in descending order in the **Incoming** column.

To save the result to a CSV file or print a spreadsheet, click **Export** (download icon).

The time and date in the widget are displayed in the server's time zone.

### Examples of using:

**A)** Which prohibited sites a certain user went to:

- Open the section **Reports -> Traffic**;
- In the **Top Users** widget, find the desired user and click on it.  
If the user is not in the list, then click **Expand** (monitor icon) in the upper right corner of

the widget (a list of all users will open);

- In the **Top Blocked Sites** widget, UTM will show the top 5 blocked sites. To view the full list of blocks, click Expand (monitor icon).

**B)** Which users have blocked a particular application:

- Open the section **Reports -> Traffic**;
- In the **Top Blocked Protocols** widget, find the required protocol and click on it. If it is not in the list, then click **Expand** (monitor icon);
- To see a list of all users who have been blocked by this protocol, then on the page that opens, find the **Top Users** widget and click **Expand** (monitor icon).

Read more about creating your own templates with statistics in the [Report Designer](#) article.

# Security Events

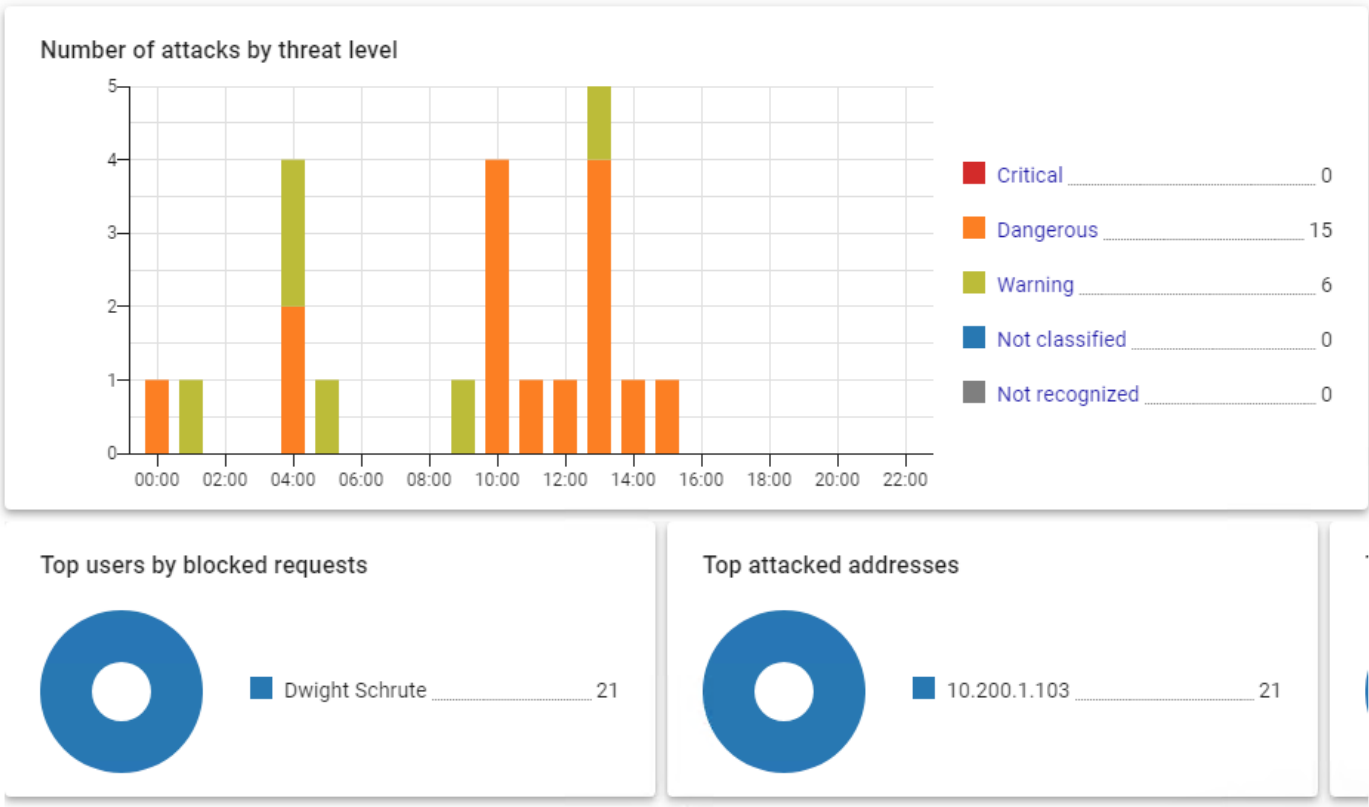
Contains information about the triggering of the rules specified in the Intrusion Prevention section.

All widgets are generated in the server's time zone.

The section structures the information received from the **Intrusion prevention** section.

## Period selection

All displayed data can be filtered by date and time. For example, set some time period (by clicking the "Choose date" button) or use one of the preset filters:



If no filter by date and time is set, then the interval is set to **Today** in the server's time zone by default.

## Widgets

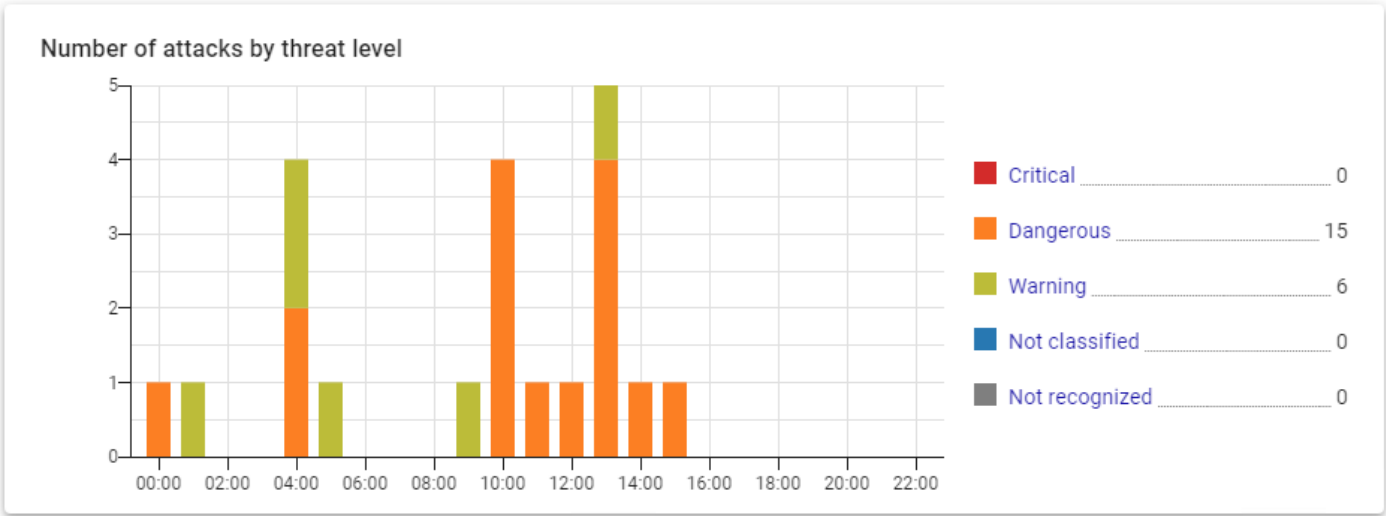
All information collected by widgets is presented in detail in the form of a table at the bottom of the section. In it, you can find the ID of the rule that worked and, if necessary, create an exception in the **Intrusion prevention** section.

## Number of attacks by threat level

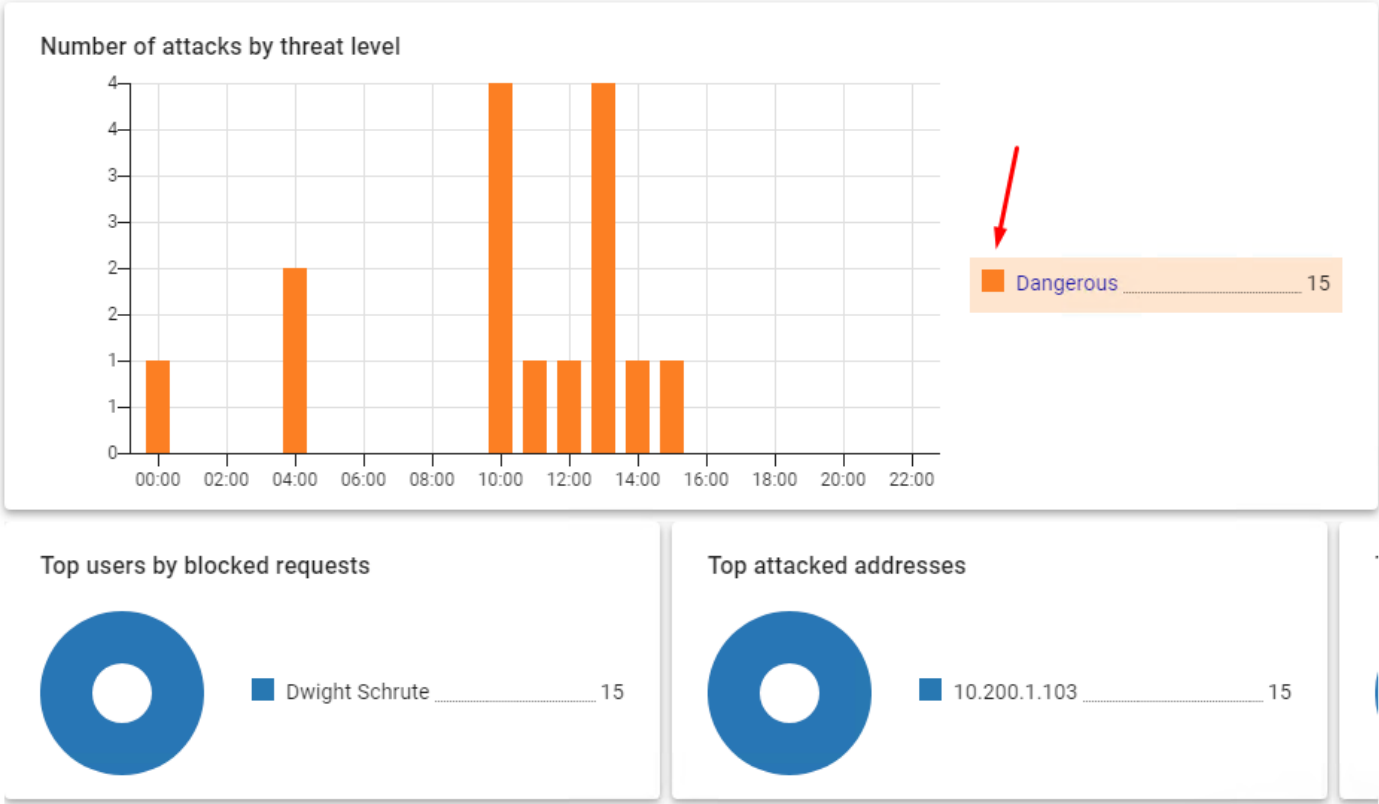
The information is provided in the form of a graph with five security threat values:

- **Critical** - threat level 1.
- **Dangerous** - threat level 2.
- **Warning** - threat level 3.
- **Not classified** - threat level 4.
- **Not recognized** - threat level 255.

Widget example Number of attacks by threat level:



When you click on a threat level, all widgets and the table filter the content for that level. To go back to the list of threat levels, click again on the selected level:



### Top users by blocked requests

Only those users who were successfully authorized get to the top. Thus, unauthorized users whose requests were blocked will not get into the diagram.

### Top Attacked Addresses

Both external and internal areas fall into that of the attack. One example where the attacked address is external is when a Trojan operates from inside the protected network.

### Top attacking addresses

The attacking address can be either external or internal. For example, the address from which the work of the Trojan was recorded can be considered an internal attacking address.

### Top Blocked Attack Types

The widget calculates the statistics of attack types (for example, attack types IP Address Blacklist or Attempts to obtain administrator privileges, combining a group of several rules) by the number of hits with this type of attack.

The type of attack is listed in the Security Event column in the table at the bottom of the section.









### Top attacking countries

The top attacking countries are based on the IP addresses obtained when the rules in the Intrusion Prevention section are triggered. If an IP address is not geocoded into a country name, that address is not displayed in the widget.

For this reason, local IP addresses are not shown in the widget.

# Authorization Log

In the Reports -> Authorization Log section, a list of users authorized on SafeUTM is available to you in the form of a table.

Authorization log											
 Time zones on the server and the browser do not match. Note, reports use server time and timezone.											
 Columns  Filters  Density											
Login	Name	IP-address	MAC address	Session start	End of session	Online time	Authorization t...				
subnet1	Subnet 1	192.168.160....	–	Aug 31, 2022...	Aug 31, 2022...	5 hours 46 minut	Subnet				
beesly	Pam Beesly	10.200.2.12/...	–	Aug 30, 2022...	Aug 30, 2022...	1 minute	Subnet				
schrute	Dwight Schru...	10.200.1.182	08:00:27:31:8f	Aug 29, 2022...	Aug 31, 2022...	1 day 16 hours 4	IP + MAC (pe...				
schrute	Dwight Schru...	10.200.1.182	08:00:27:31:8f	Aug 29, 2022...	Aug 29, 2022...	9 minutes	IP + MAC				
schrute	Dwight Schru...	10.200.1.182	08:00:27:31:8f	Aug 29, 2022...	Aug 29, 2022...	15 minutes	IP + MAC				
schrute	Dwight Schru...	10.200.1.182	08:00:27:31:8f	Aug 29, 2022...	Aug 29, 2022...	15 minutes	IP + MAC				
schrute	Dwight Schru...	10.200.1.182	08:00:27:31:8f	Aug 29, 2022...	Aug 29, 2022...	15 minutes	IP + MAC				
schrute	Dwight Schru...	10.200.1.182	08:00:27:31:8f	Aug 29, 2022...	Aug 29, 2022...	15 minutes	IP + MAC				
schrute	Dwight Schru...	10.200.1.182	08:00:27:31:8f	Aug 29, 2022...	Aug 29, 2022...	15 minutes	IP + MAC				

You can use the possibility to search for specific authorized users with a filter. To do this, at the top of the screen in the **Column for the filtering** field, select one of the suggested parameters (login, name, IP address, session start, session end, authorization type). In the last field, enter the value that the column you selected should include.

## When using a filter, there is a certain feature:

- For an open session, this session is recorded in the database every 5 minutes, and the current time is recorded in the "end of session" field. Accordingly, if the first request was sent before the buffer synchronization, then the end time will be returned. And if the next request occurs after the moment of synchronization, the end time for the open session will change, and a new one is returned.
- For a completed session, the information about the closing time does not change.

# Report Designer

Setting up statistics in custom reports and sending ready-made reports to e-mail.

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UTM provides the ability to create report templates and set up their distribution in .pdf format by e-mail.

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## My templates

This tab creates templates with statistics that can be viewed in a browser, saved as a .pdf, or sent via email.

Clicking the **Add** button will open the template settings menu.

Set the time period, report the name, and click **Add Widget**. One template can contain multiple widgets.

Widget setup:

- In the **Grouping** line, select the object for which statistics will be collected. If you select a **Specific** object (for example, a Specific user or a Specific group), then an additional line of **Objects** will appear, where you can select multiple objects;
- In the **Widget** line, specify what information you want to see on the selected object;
- Set **Display settings**.

After you finish customizing the template, click **Create**.

[My templates](#)

Scheduled reports

## Configure template

 Aug 1, 2022 - Aug 31, 2022

Report title

Test

### Top 5 users by blocks count

#### Widget customization

Grouping

All categories

Widget

Top users by blocks count

#### Display settings

How to display:



String count:

5

#### Display example

Blocked Category	Blocks Count
Category 1	924
Category 2	4,543
Category 3	745
Category 4	3,656
Category 5	6,455

## Scheduled reports

This tab provides the ability to create/edit settings for sending email campaigns.

To create a setting, click **Scheduled Reports -> Add** in the upper left corner. In one setting, you can specify several e-mail recipients (the **Add recipient** button) and several reports (the **Add report** button).

Reports will be sent to:

- **Once a day** - sending will occur the next day after saving if the sending time is less than the current one on the server.
- **Once a week** - specify the day and time of sending.

- **Once a month** - specify the day and time determined by the account or every 1st day of the month. If the 31st is selected, but there are fewer days in the month, then the last day of the month is selected.

## Configure schedule

Title

Test

Recipient's email

test@testtt.com

Add recipient

Reports to send

ONCE A DAYONCE A WEEKONCE A MONTH

☒ Each:

First

Monday

☐ Every:

1st number

First Sending: 5 September

Dispatch time

12:00 pm

Comment

When you click on the **Create** button, UTM will save all user send time settings in all filters (once a day, once a week, and once a month), but the template will only be sent during the period selected by the user.

For example:

1. When creating a report, the time period is set:

- Once a week;
- Day of the week - Thursday;
- Click Create.

2. Proceed to edit the report by clicking the **Edit** button and changing the time period settings:

- Once a month;
- Every other Wednesday;
- Click Save.

3. Go back to editing the report and select **Once a month**, the settings created in step 1 will open.

**Example:** You want to set up sending a report with information about blocked sites for all users every first day of the month.


The first thing to do is to create a report template based on which statistics will be collected for sending:

1. Click **Add** in the **My Templates** tab;
2. Select the time period for which the report should be generated from the proposed filters or specify the dates by clicking **Select a date**;
3. Specify the name of the report (line Report name);
4. Click the **Add Widget** button;
5. Fill in the lines:

- **Grouping** - select **All users**;
- **Widget** - select **Top blocked sites**;

6. Specify **Display Settings**

#### Configure template

 Aug 1, 2022 - Aug 31, 2022

Report title

Test

Top 5 blocked sites

Widget customization

Grouping

All users

Widget

Top blocked websites

Display settings

How to display:

String count:

5

Display example

Domain	Blocks Count
domain.com	924
domain2.com	4,543
domain3.com	745
domain4.com	3,656
domain5.io	6,455

+ Add widget

- 5
- 10
- 20
- 50
- 100
- All

7. Save the template by clicking the **Create** button.

Create a rule by which the report template will be sent to email:

1. Click **Add** in the **Scheduled Reports** tab;

2. Fill in the lines:

- **Name** - any name that will help you identify the schedule rule;
- **Recipient's email** - e-mail of the recipient of the report. If you need to send a report to several recipients, specify additional addresses by clicking the **Add recipient** button;

3. Select the required template in the drop-down list in the line;

4. Specify the date/day and time settings for sending the report to the recipient.