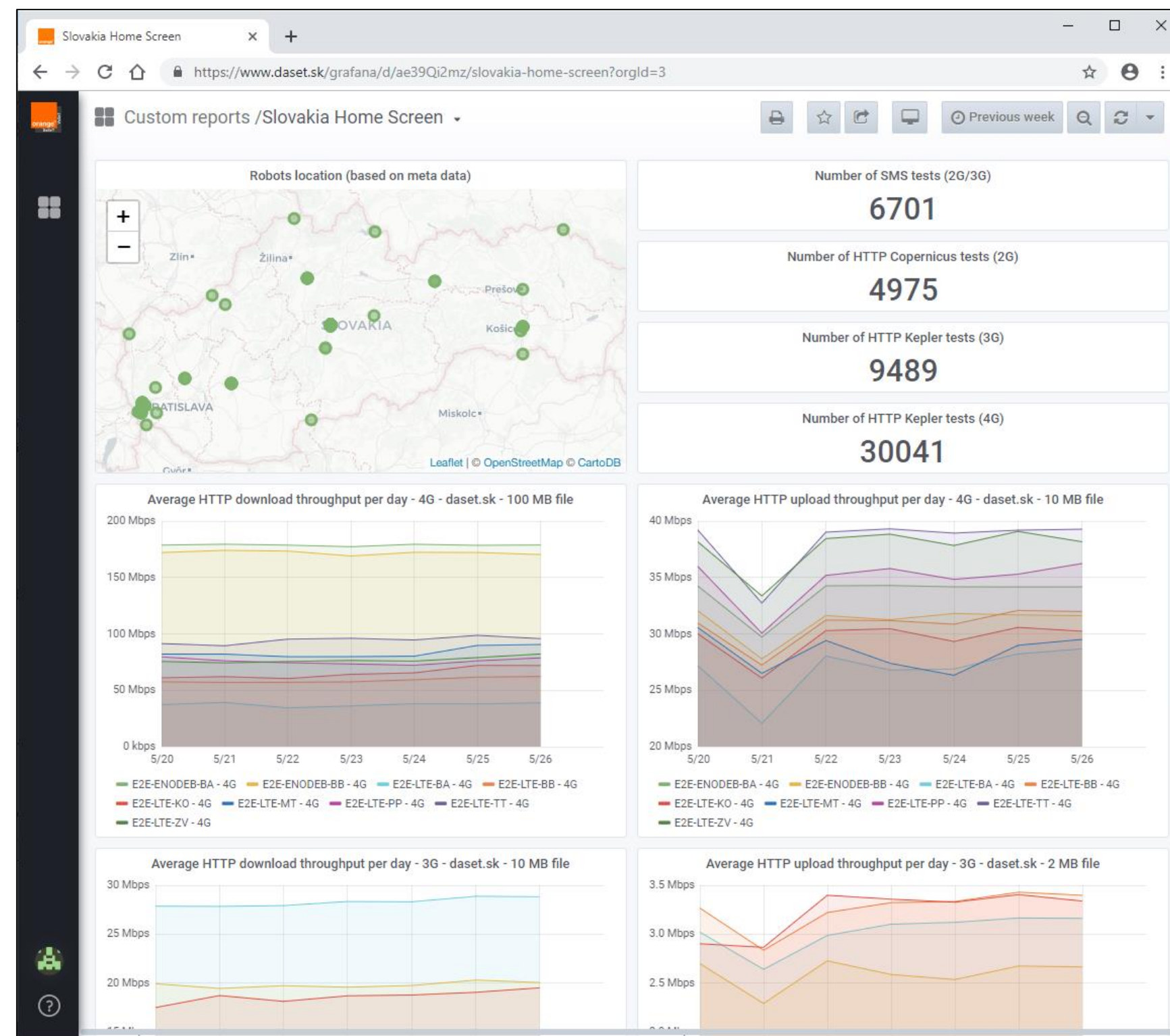


Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](https://www.daset.sk/grafana). Please use your credentials to log in. If you do not have username/password then open a request at [support.daset.sk](mailto:support.daset.sk) or send request to [daset@orange.sk](mailto:daset@orange.sk).

Why the new DaSeT/VoSeT Reporting tool based on Grafana platform?

- Both Reporting tools use the same database InfluxDB
- All features from standard web Reporting tool are included in Grafana Reporting tool
- New enhanced features based on Grafana
  - Three user permissions
    - **Admin** can add/edit/remove user accounts and create own dashboards for specific country
    - **Editor** can create own dashboards for specific country
    - **Viewer** can display dashboards, no create/save own dashboards
  - Location of your robots in Map Preview
  - Multiple robot selection with location name and full text searching
  - Multiple APN and operator selection
  - Coloured graphs specified for each robot, APN, operator or type of web browser
  - More quick ranges for selection of time period with robot availability
  - Zoom feature available in graphical view
  - Possibility to create and save own dashboards
  - Alerting email option when specific service is degraded/below threshold limit
  - Personalized Home screen
  - SUR values and summary KPIs
  - Possibility to share dashboard to anyone without user account. Dashboard is shared as picture at specific URL.



Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](http://www.daset.sk/grafana).

- Navigation and filter options - [\*slide 3, 4, 5\*](#)
- Robot availability and selection – [\*slide 6\*](#)
- Daily average values – [\*slide 9\*](#)
- Raw data – [\*slide 10\*](#)
- *Summary report* – [\*slide 11\*](#)
- SUR values – [\*slide 12\*](#)
- *IPTV/SatTV report* – [\*slide 13\*](#)
- Export to PDF – [\*slide 14\*](#)
- How to share Dashboard – [\*slide 15\*](#)
- Favorite Dashboards – [\*slide 16\*](#)
- Custom Dashboards – [\*slide 17, 18, 19\*](#)
- How to save graph as image – [\*slide 20\*](#)
- Alerting option – [\*slide 21\*](#)

Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](http://www.daset.sk/grafana).

The screenshot displays the Grafana reporting tool interface for the 'Slovakia Home Screen' dashboard. The interface includes a top navigation bar with a search bar and a 'Previous week' button. The main content area is divided into several sections:

- Map:** A map of Slovakia showing test locations (based on meta data) with green dots. Callouts include 'Home screen, Snapshot management' and 'Home screen can be customized'.
- Summary Cards:** Four cards showing test counts: 'Number of SMS tests (2G/3G)' (701), 'Number of Copernicus tests (2G)' (4975), 'Number of HTTP Kepler tests (3G)' (9489), and 'Number of HTTP Kepler tests (4G)' (30041). Callouts include 'Favorite report selection', 'Dashboard sharing', 'Time period selection', and 'Print or Export to PDF'.
- Line Charts:** Four line charts showing average HTTP throughput per day for 4G and 3G networks. The top two charts are for 4G (100 MB file and 10 MB file), and the bottom two are for 3G (10 MB file and 2 MB file). Callouts include 'Full screen mode' and 'Sign out, User profile'.

Yellow callout boxes highlight various features and actions:

- Show/Hide left panel
- List of Dashboards
- Home screen, Snapshot management
- Home screen can be customized
- Favorite report selection
- Dashboard sharing
- Time period selection
- Print or Export to PDF
- Full screen mode
- Sign out, User profile

Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](http://www.daset.sk/grafana).

The image shows a screenshot of the Grafana reporting tool interface. The left sidebar displays a list of dashboards, with a yellow callout box pointing to the list: "Click on list of Dashboards to select specific Dashboard". The main area shows a search for dashboards by name, with a blue callout box listing selection options: "You can select: - Favorite/Starred reports - Recent reports - Custom reports - General reports". The dashboard list includes various reports, with a blue callout box pointing to the tags: "TAGs can be defined for reports". The right side of the image shows a detailed view of a report for "DNS response average time" with a value of 543.57 ms. A blue callout box points to a filter dropdown: "Filter to find report with TAGs defined". The filter dropdown shows "ftp" and "ftp (2)". Below the filter, there are two donut charts: "DNS response success rate %" showing 95.99% (PASS: 1221, FAIL: 51, 4.01%) and "PDP activation success rate %" showing 99.92% (PASS: 1273, FAIL: 1, 0.08%).

Click on list of Dashboards to select specific Dashboard

You can select:

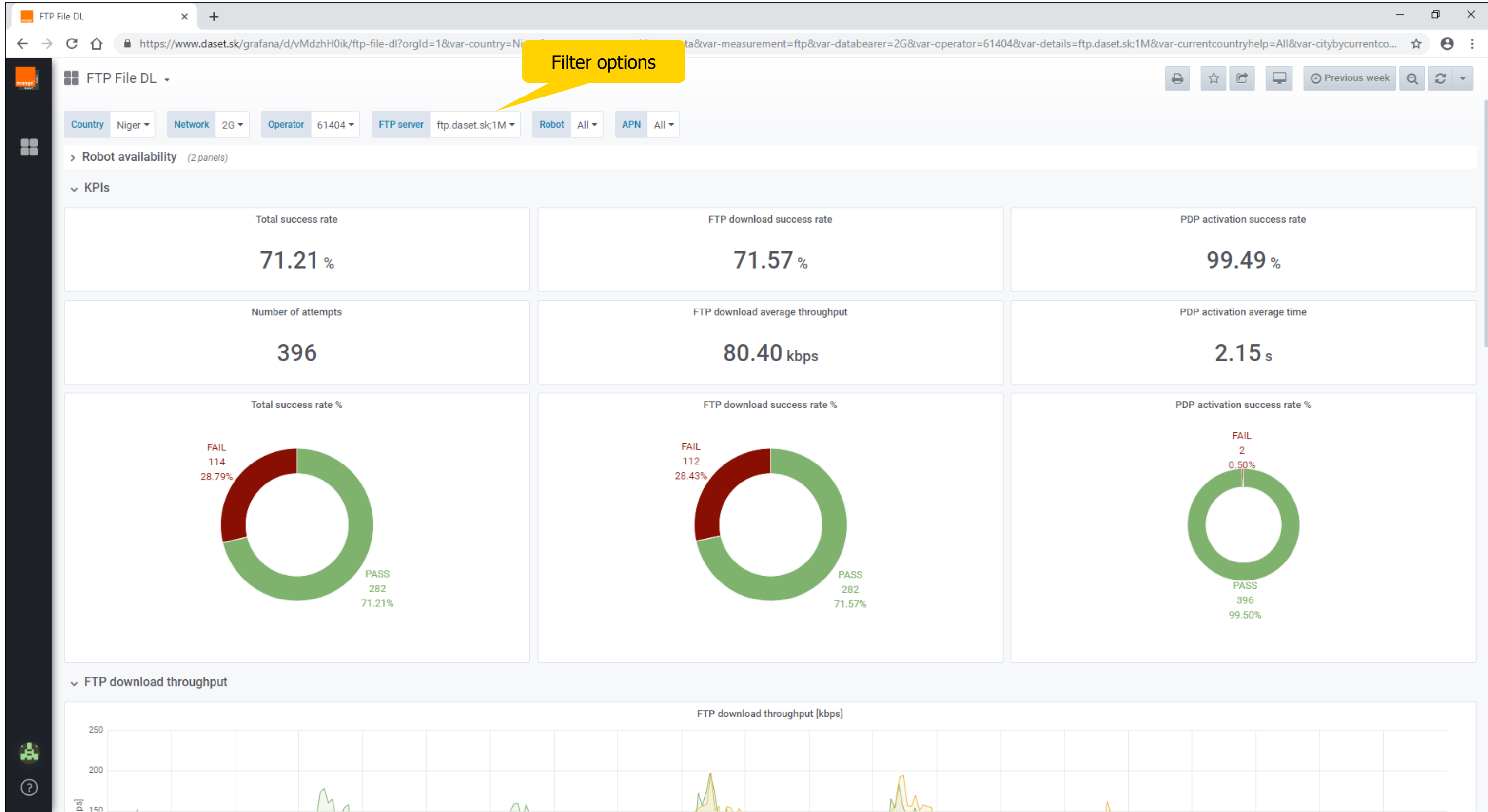
- Favorite/Starred reports
- Recent reports
- Custom reports
- General reports

Filter to find report with TAGs defined

TAGs can be defined for reports

Metric	Value
DNS response average time	543.57 ms
PDP activation success rate	99.92 %
DNS response success rate %	95.99 %
PDP activation success rate %	99.92 %

Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](http://www.daset.sk/grafana).



Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](http://www.daset.sk/grafana).

Country: Senegal | Network: 4G | Operator: 60801 | HTTP site: www.daset.sk;100m | Robot: t

Robot selection with location name and full text search

Robot availability panel with colour notification of unavailability in selected period and location name of the robot.  
Green availability 90-100%  
Orange availability 70-89%  
Red availability < 70%

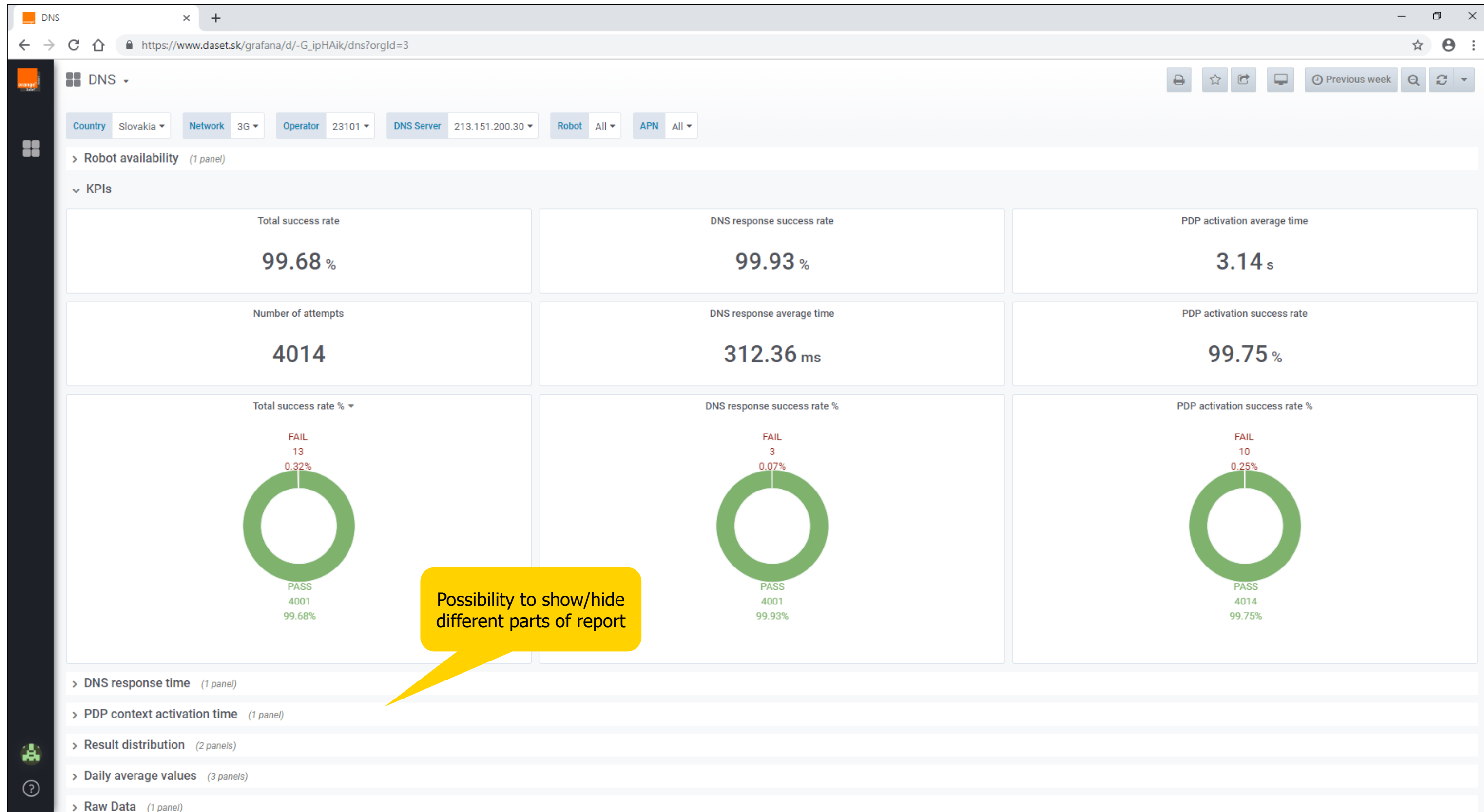
Robot	Availability	Location
E2E-SENEGAL10	100 %	Technopole
E2E-SENEGAL12	100 %	Medina
E2E-SENEGAL14	100 %	Saly
E2E-SENEGAL15	100 %	Touba
E2E-SENEGAL21	91.07 %	Ziguinchor
E2E-SENEGAL24	100 %	Saint Louis
E2E-SENEGAL27	100 %	Aéroport AIBD
E2E-SENEGAL29	100 %	Tivaoune

KPIs

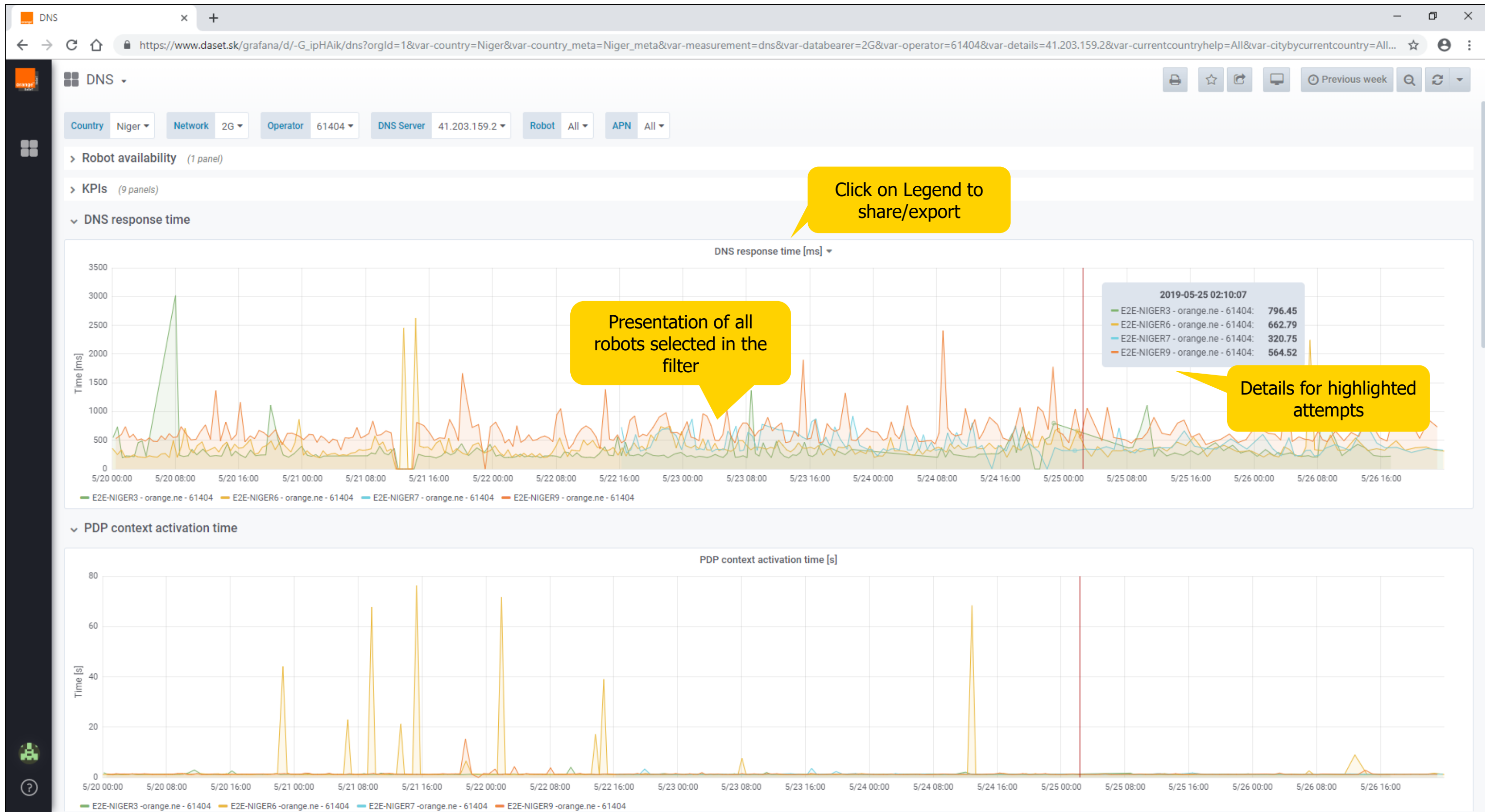
Metric	Value
Total success rate	98.22 %
HTTP file download success rate	98.30 %
PDP activation success rate	99.92 %
Number of attempts	2353
HTTP file download average throughput	22560.02 kbps
PDP activation average time	0.13 s

Metric	FAIL	PASS	Percentage
Total success rate %	42 (1.78%)	2311 (98.22%)	98.22%
HTTP file download success rate %	40 (1.70%)	2311 (98.30%)	98.30%
PDP activation success rate %	2 (0.08%)	2353 (99.92%)	99.92%

Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](http://www.daset.sk/grafana).



Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](http://www.daset.sk/grafana).





Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](http://www.daset.sk/grafana).

**Country:** Niger | **Network:** 2G | **Operator:** 61404 | **DNS Server:** 41.203.159.2 | **Robot:** All | **APN:** All

**Navigation:** Previous week

**Filters:** Country, Network, Operator, DNS Server, Robot, APN

**Dashboard Sections:** Robot availability (1 panel), KPIs (9 panels), DNS response time (1 panel), PDP context activation time (1 panel), Result distribution (2 panels), Daily average values

**Chart 1: Daily average DNS response time [ms]**

Day	Response time [ms]
2019-05-20	~450
2019-05-21	~420
2019-05-22	~410
2019-05-23	~470
2019-05-24	493.50
2019-05-25	~440
2019-05-26	~450

**Chart 2: Daily average PDP context activation time [s]**

Day	PDP time [s]
2019-05-20	~1.7
2019-05-21	~3.0
2019-05-22	~2.2
2019-05-23	~1.3
2019-05-24	~1.7
2019-05-25	~1.2
2019-05-26	~1.3

**Table: Daily average values**

Day in month	Number of attempts	PASS	FAIL	PDP activation time [s]	DNS response time [ms]	Success rate [%]	DNS success rate [%]	Total success rate [%]
2019-05-20	120	120	0	1.67	453.74	100.00	100.00	100.00
2019-05-21	117	100	17	3.01	428.19	99.15	86.32	85.47
2019-05-22	143	143	0	2.21	421.78	100.00	100.00	100.00
2019-05-23	161	161	0	1.31	477.72	100.00	100.00	100.00
2019-05-24	140	136	4	1.72	493.50	100.00	97.14	97.14
2019-05-25	89	89	0	1.25	452.69	100.00	100.00	100.00
2019-05-26	91	91	0	1.35	455.88	100.00	100.00	100.00

**Callouts:**

- Daily average values
- Click on Legend to share/export

Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](http://www.daset.sk/grafana).

The screenshot displays the Grafana reporting tool interface for DNS data. The top navigation bar includes the 'DNS' title and a search bar. Below the navigation bar, there are filter controls for Country (Niger), Network (2G), Operator (61404), DNS Server (41.203.159.2), Robot (All), and APN (All). The main content area shows a list of panels, including 'Robot availability', 'KPIs', 'DNS response time', 'PDP context activation time', 'Result distribution', and 'Daily average values'. The 'Raw Data' panel is expanded, showing a table of raw data. A 'RAW DATA' dropdown menu is open over the table, showing options like 'View', 'Share', 'More...', 'Panel JSON', and 'Export CSV'. Two yellow callout boxes provide instructions: 'Click on column name to reorder results' and 'Click on Legend to share/export'.

Time	APN	Robot	Details	Operator	Result	PDP time	DNS time
2019-05-20 00:03:39	orange.ne	E2E-NIGER6	41.203.159.2	61404	PASS	1.13	360.742
2019-05-20 00:09:51	orange.ne	E2E-NIGER3	41.203.159.2	61404	PASS	1.84	546.476
2019-05-20 00:31:02	orange.ne	E2E-NIGER9	41.203.159.2	61404	PASS	1.31	529.223
2019-05-20 00:43:07	orange.ne	E2E-NIGER6	41.203.159.2	61404	PASS	1.28	252.034
2019-05-20 00:43:35	orange.ne	E2E-NIGER3	41.203.159.2	61404	PASS	1.13	733.671
2019-05-20 01:12:41	orange.ne	E2E-NIGER9	41.203.159.2	61404	PASS	1.22	599.605
2019-05-20 01:13:07	orange.ne	E2E-NIGER6	41.203.159.2	61404	PASS	1.16	332.807
2019-05-20 01:19:31	orange.ne	E2E-NIGER3	41.203.159.2	61404	PASS	1.06	193.515
2019-05-20 01:42:47	orange.ne	E2E-NIGER9	41.203.159.2	61404	PASS	1.49	737.139
2019-05-20 01:43:38	orange.ne	E2E-NIGER6	41.203.159.2	61404	PASS	1.24	202.062
2019-05-20 01:48:53	orange.ne	E2E-NIGER3	41.203.159.2	61404	PASS	1.22	227.763
2019-05-20 02:12:54	orange.ne	E2E-NIGER9	41.203.159.2	61404	PASS	1.37	549.09
2019-05-20 02:13:46	orange.ne	E2E-NIGER6	41.203.159.2	61404	PASS	1.25	206.068
2019-05-20 02:19:08	orange.ne	E2E-NIGER3	41.203.159.2	61404	PASS	1.1	224.503
2019-05-20 02:43:03	orange.ne	E2E-NIGER9	41.203.159.2	61404	PASS	1.39	602.881
2019-05-20 02:43:55	orange.ne	E2E-NIGER6	41.203.159.2	61404	PASS	1.18	246.112
2019-05-20 02:49:21	orange.ne	E2E-NIGER3	41.203.159.2	61404	PASS	1.11	213.851

Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](http://www.daset.sk/grafana).

Summary report /Summary table

Country: Senegal | Databearer: 3G

▼ Data tests

Measurements summary - DATA - based on databearer

Description	KPI (%) = success/all attempts	PDP time	PDP SR	Download time	Throughput	Download SR	CRC SR	Nr of att	Nr of err
OMoney WEB page	99.02%	2.51	99.89	6.17	-	99.13	-	917	9
WEB - https://senegal.orange-money.com/tango/login/home.action	99.02%	2.51	99.89	6.17	-	99.13	-	917	9
WEB - www.daset.sk/kepler.htm	95.50%	2.63	98.74	7.59	-	96.72	85.90	8094	364
WEB - www.google.com	100.00%	2.55	100.00	4.99	-	100.00	-	678	-
WEB - www.orange.sn	88.95%	2.55	100.00	13.39	-	88.95	-	679	75
YOUTUBE - id=LNMWgmvdlWs&quality=default	9.93%	-	96.46	67.15	-	93.23	87.68	2314	233

▼ SMS/USSD/OMONEY tests

Measurements summary - SMS/USSD/OMONEY - based on databearer

Description	KPI (%) = success/all attempts	PDP time	PDP SR	Download time	Throughput	Download SR	CRC SR	Nr of att	Nr of err
USSD - call me back	50.96%	-	1.67	-	-	-	573	281	-
USSD - canal	97.45%	-	4.03	-	-	-	666	17	-
USSD - credit inquiry	100.00%	-	1.80	-	-	-	573	-	-
USSD - Credit Inquiry	100.00%	-	1.81	-	-	-	345	-	-
USSD - credit recharge	100.00%	-	1.69	-	-	-	573	-	-
USSD - Credit recharge	100.00%	-	1.79	-	-	-	345	-	-
USSD - credit sos	100.00%	-	1.70	-	-	-	573	-	-
USSD - ILLIMIX	99.13%	-	1.84	-	-	-	572	5	-

▼ Voice tests (all databearers)

Voice measurement summary

Description	CSR	CRC SR	Nr. of att.	Errors	Att. MOS>2.8	MOS M->S	MOS S->M	PDD/CST	CSFB	FR
Master: OEP-DEIMS1   Master MSISDN: 0326867239   Slave MSISDN: 00221773328845   Master Network: VOIP   Master Originating	98.42%	96.84%	443	7	429	3.28	3.32	3.61	0	0

Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](http://www.daset.sk/grafana).

The screenshot displays the Grafana reporting tool interface for SUR values. The browser address bar shows the URL: [https://www.daset.sk/grafana/d/rkKX0\\_wiz/sur-values?orgId=1](https://www.daset.sk/grafana/d/rkKX0_wiz/sur-values?orgId=1). The interface includes a sidebar with a 'Country' menu, a main dashboard area with several panels, and a top navigation bar with a 'Previous month' button.

**Annotations:**

- Values for SUR report are available in Menu:** Points to the 'Country' menu in the sidebar.
- Summary of ALL attempts with coloured coding:** Points to the 'Tests summary (2G & 3G & 4G)' panel.
- Limits for minimum and recommended number of attempts:** Points to the 'SUR values thresholds' panel.
- Details for SMS and Voice in 2G and 3G:** Points to the 'SMS & Voice tests summary - 3G' panel.
- Details for 3G and 4G data tests:** Points to the 'Data tests summary - 3G&4G' panel.

**Tests summary (2G & 3G & 4G)**

VOICE (2G&3G)	45962
DATA (3G&4G)	160416
SMS (2G&3G)	2868

**SUR values thresholds**

Mobile Service	Minimum number of tests per month	Average number of total tests per month
Voice (2G&3G)	20 000	40 000
Data (3G&4G)	35 000	50 000
SMS (2G&3G)	15 000	20 000

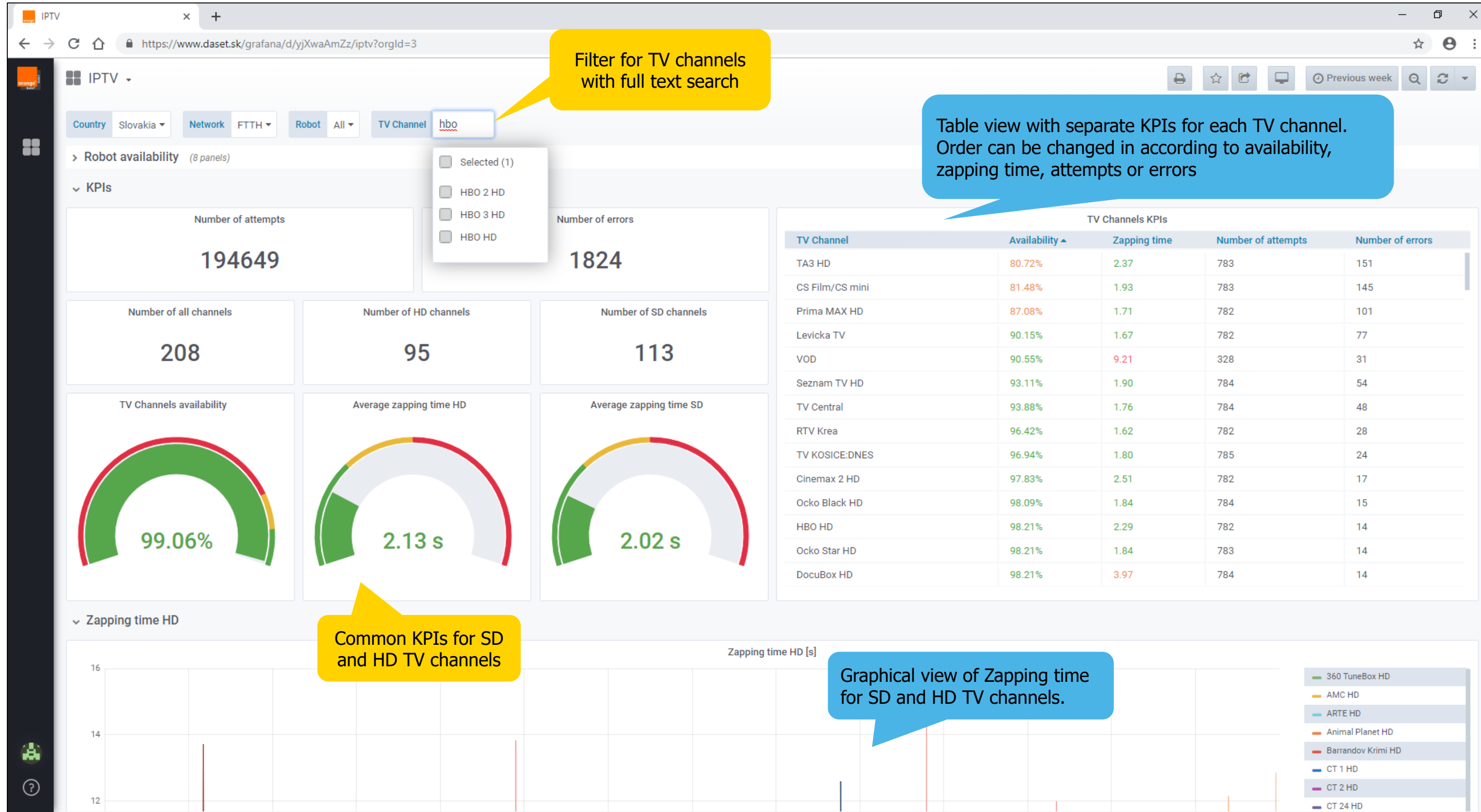
**SMS & Voice tests summary - 3G**

	SMS	Voice
Number of tests	2868	45962
Number of unsuccessful tests	4	3910

**Data tests summary - 3G&4G**

	Orange Portal	Google	OMoney page	Kepler	HTTP Upload Throughput	HTTP Download Throughput	YouTube
Number of tests	30837	33341	1435	31730	29499	29496	4078
Number of unsuccessful tests	1877	148	14	737	480	990	73

Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](http://www.daset.sk/grafana).



Filter for TV channels with full text search

Table view with separate KPIs for each TV channel. Order can be changed in according to availability, zapping time, attempts or errors

Common KPIs for SD and HD TV channels

Graphical view of Zapping time for SD and HD TV channels.

Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](http://www.daset.sk/grafana).

Print dashboard  
CTRL+P

Click on Print dashboard or press CTRL+P

PDP activation average time  
2.81 s

PDP activation success rate %

PASS  
2340  
100.00%

Grafana - WEB - Chrome MT

Print  
Total: 3 pages

Select Printer or Save to PDF

Save

Destination: Save as PDF

Pages: All

Layout: Landscape

Paper size: A4

Margins: Default

Scale: 60

Options:  Headers and footers,  Background graphics

Select layout in according your need

Select paper size

Set Scale Value 50 or 60 fits most of cases

2018-10-29 00:00:00 to 2018-11-04 23:59:59

Country: Niger, Network: 3G, Operator: 61404, WEB site: www.daset.sk/kepler.htm, Robot: All, APN: All

Metric	Value
Total success rate	96.50 %
Number of attempts	2340
WEB download success rate	96.50 %
WEB download average time	16.71 s
PDP activation success rate	100.00 %
PDP activation average time	2.81 s

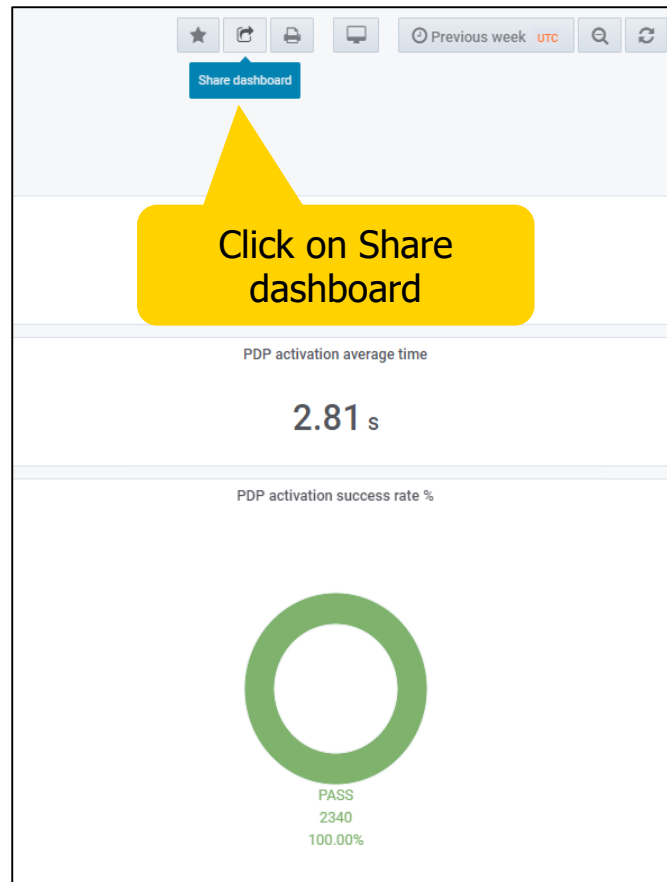
WEB download time [s]

PDP context activation time [s]

http://www.voset.sk/grafana/d/BLZeEHAmz/web-chrome-mt?orgId=5&var-country=Niger&var-measurement=web&var-database=3G&var-operator=61404&var-details=www.daset.sk%2Fkepler.htm&var-currentcountry=All&var-apn=All&var-m\_code=web\_1 1/3

# DaSeT/VoSeT Grafana Reporting Tool – How to share dashboard

Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](http://www.daset.sk/grafana).



Click on Share dashboard

Select "Link" option to share dashboard for authorized users only. User needs to have Grafana account to open shared report.

Select "Snapshot" option to share dashboard for any users. User does not need Grafana account to open shared report.

Click on Copy and you can paste URL to email.

Select "Expire".

Select "Local Snapshot".

Click on Copy and you can paste URL to email.

Share

Link Snapshot Export

Create a direct link to this dashboard or panel, customized with the options below.

Current time range

Template variables

Theme current

http://www.voset.sk/grafana/d/BLZeEHAmz/web-chrome-mt?orgId=5&var-countr... Copy

Share

Link Snapshot Export

A snapshot is an instant way to share an interactive dashboard publicly. When created, we strip sensitive data like queries (metric, template and annotation) and panel links, leaving only the visible metric data and series names embedded into your dashboard.

Keep in mind, your snapshot can be viewed by anyone that has the link and can reach the URL. Share wisely.

Snapshot name WEB - Chrome MT

Expire Never

1 Hour

1 Day

7 Days

Never

You may need to configure the timeout to collect your dashboard's metrics.

Timeout (seconds) 4

Local Snapshot Publish to snapshot.raintank.io Cancel

Share

Link Snapshot Export

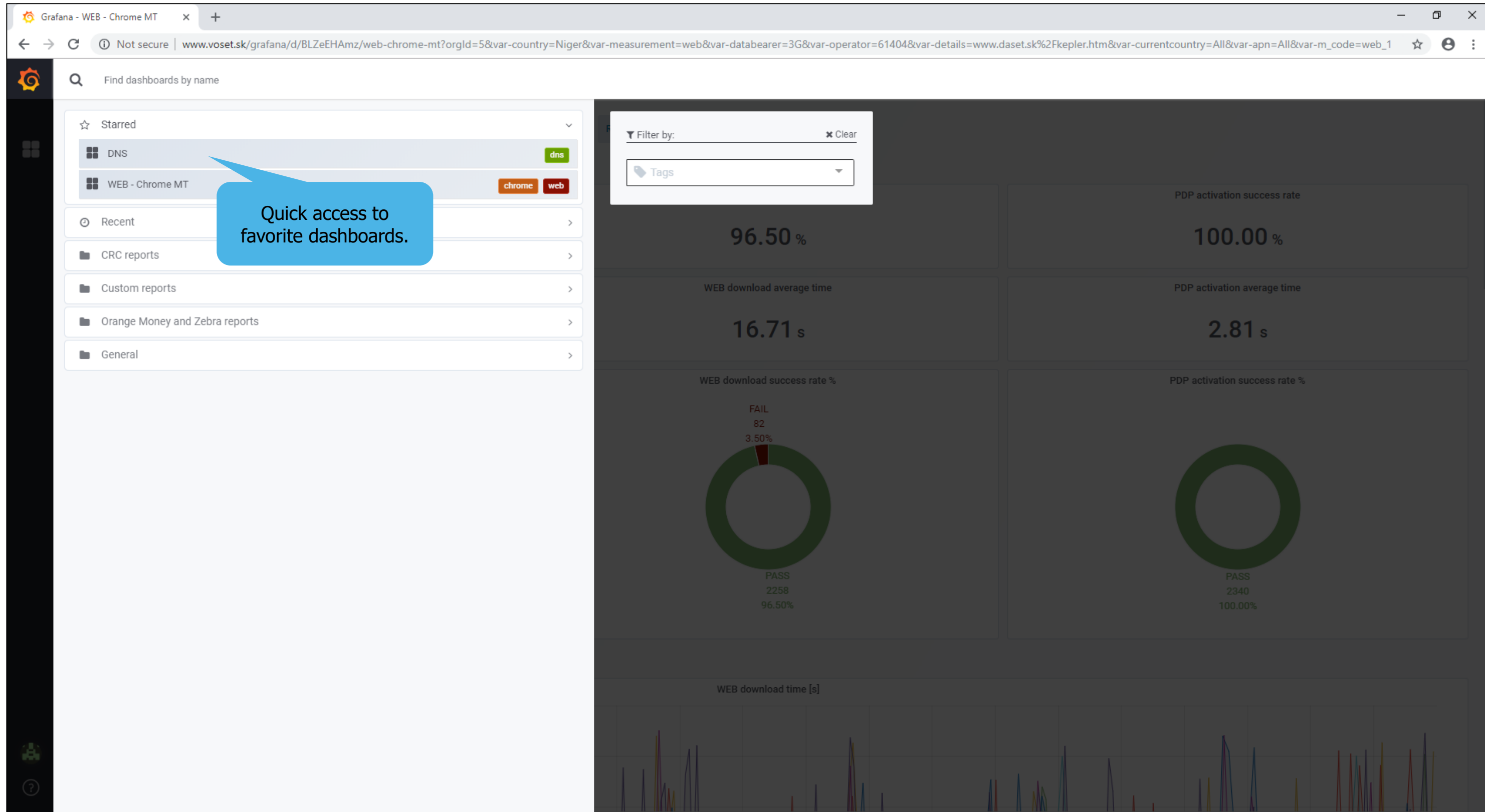
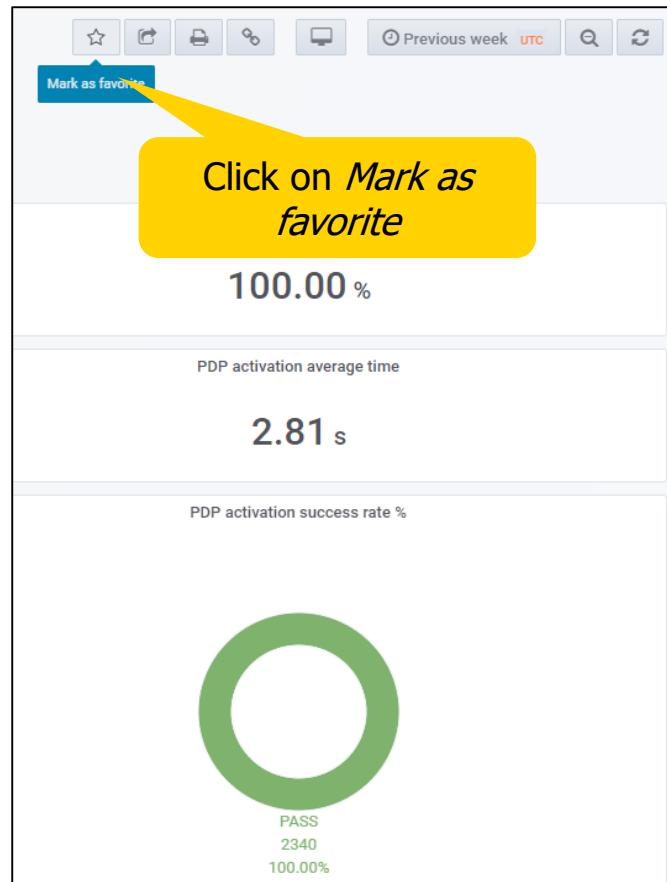
http://www.voset.sk/grafana/dashboard/snapshot/50tAcDt4U2uacekzI3t5hZeH1nmvReqo

Copy Link

Click on Copy and you can paste URL to email.

Did you make a mistake? delete snapshot.

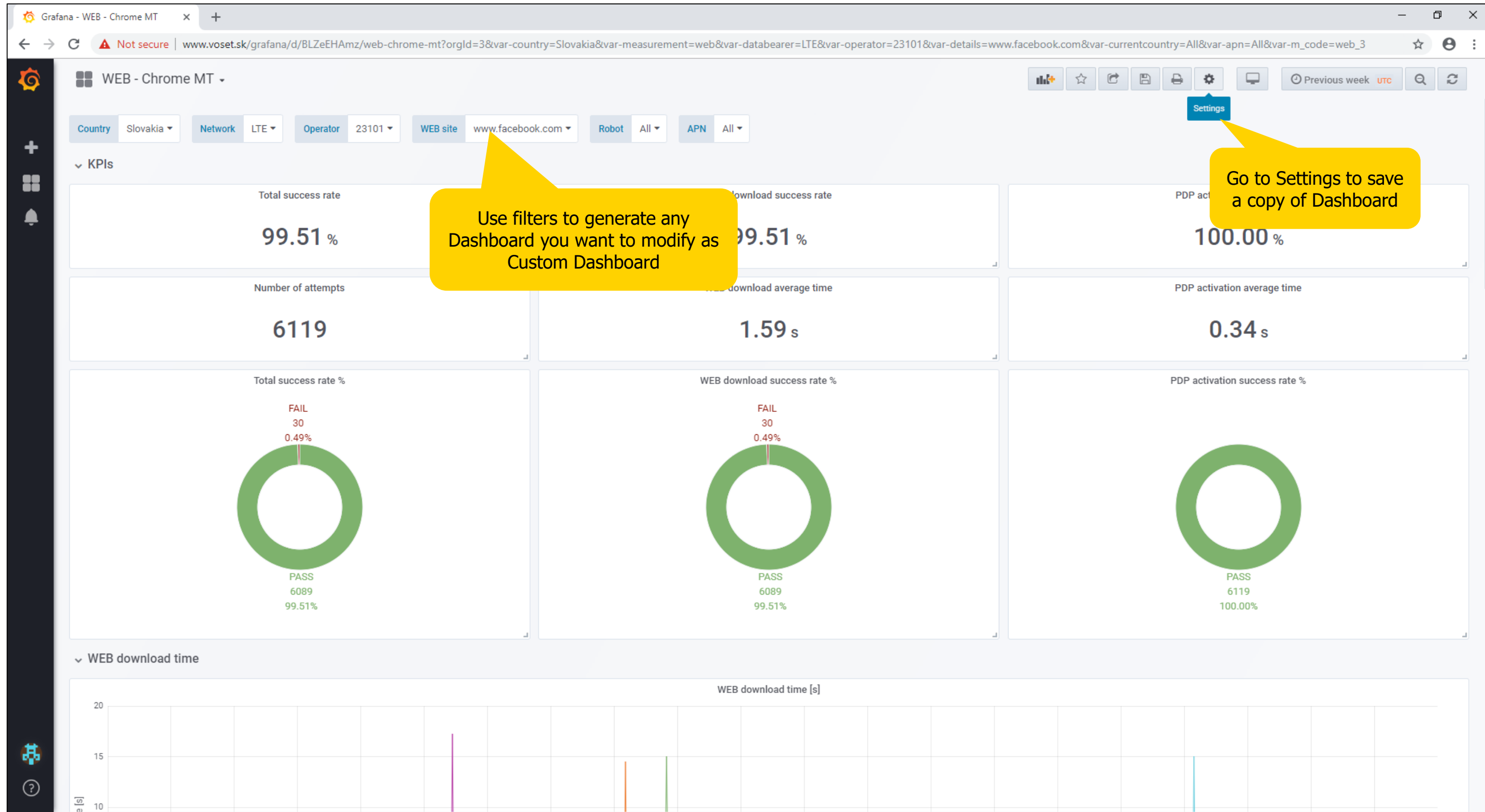
Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](http://www.daset.sk/grafana).





Only user with **Admin** and **Editor** permission can create custom dashboards.

Skills for database queries and structure are necessary in case to add new panels in Dashboards



Only user with **Admin** and **Editor** permission can create custom dashboards.

Skills for database queries and structure are necessary in case to add new panels in Dashboards

The screenshot shows the Grafana 'Settings' page for a dashboard named 'WEB - Chrome MT'. The 'General' section is active, showing fields for Name, Description, Tags, Folder, and Editable. A 'Save As...' dialog box is open over the 'Folder' field, with 'New name' set to 'WEB - Facebook Chrome' and 'Folder' set to 'Custom dashboard'. A yellow callout points to the 'Save As...' button in the left sidebar, and another points to the 'Save' button in the dialog box. The 'Time Options' and 'Panel Options' sections are also visible.

1. Click on "Save As..."

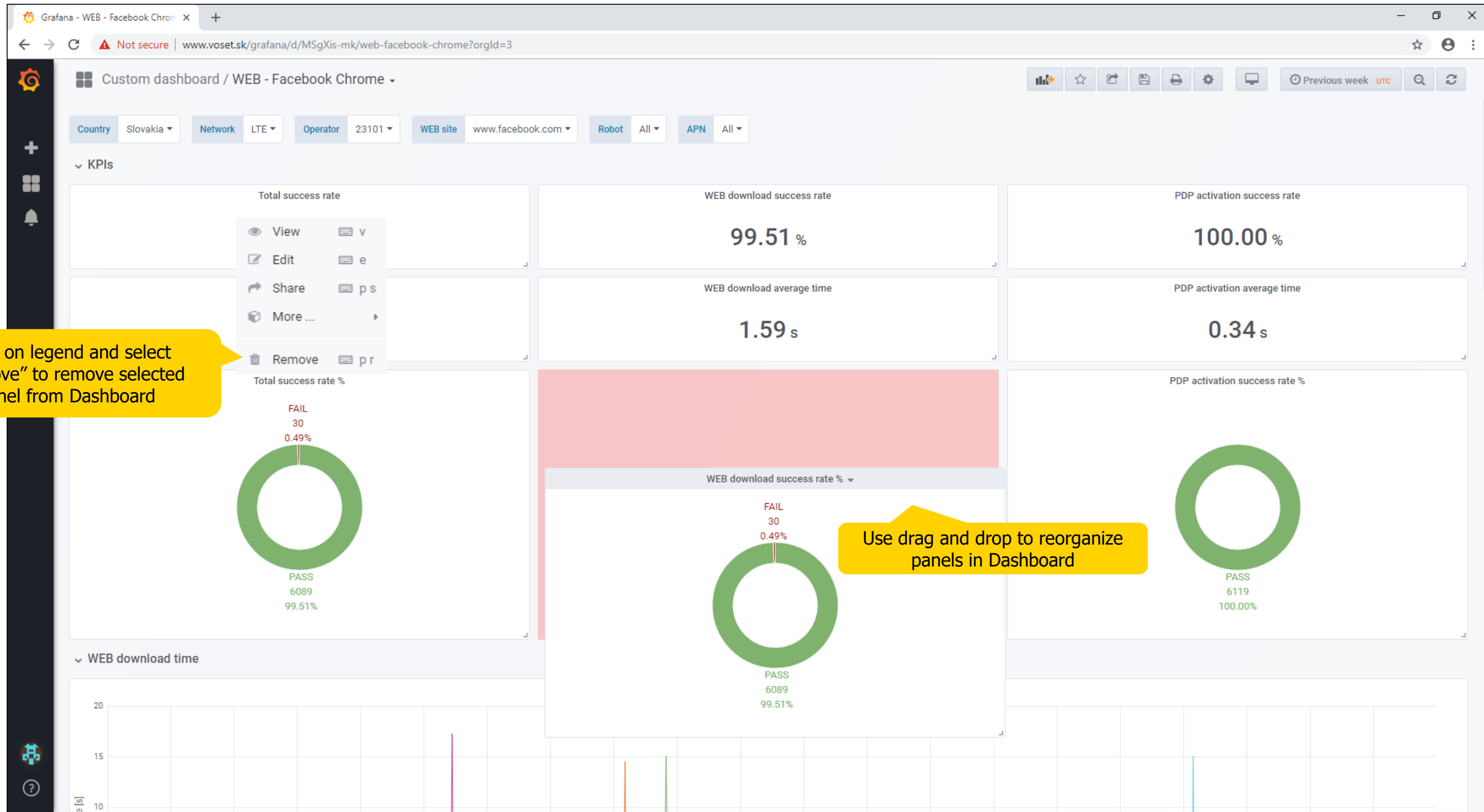
2. Write a new name of Dashboard

3. Select folder for the new Custom Dashboard or to create a new folder

4. Press *Save*

Only user with **Admin** and **Editor** permission can create custom dashboards.

Skills for database queries and structure are necessary in case to add new panels in Dashboards



# DaSeT/VoSeT Grafana Reporting Tool – How to save graph as image

Grafana reporting tool is available from [www.daset.sk](http://www.daset.sk) or at direct URL [www.daset.sk/grafana](http://www.daset.sk/grafana).

The screenshot shows a Grafana dashboard with three donut charts at the top and a line graph below. The donut charts are for 'Total success rate %', 'WEB download success rate %', and 'PDP activation success rate %'. The line graph is titled 'WEB download time [s]'. Annotations include:

- Click on Graph legend**: A yellow callout pointing to the legend of the 'WEB download time [s]' graph.
- Select "Share"**: A yellow callout pointing to the 'Share' option in the graph's context menu.
- Right click to save as image.**: A blue callout pointing to the 'Save image as...' option in the graph's context menu.
- Click on Direct link**: A blue callout pointing to the 'Direct link rendered image' option in the 'Share Panel' dialog.

The 'Share Panel' dialog is open, showing options for 'Link' and 'Embed'. The 'Link' tab is selected, and the 'Direct link rendered image' option is highlighted. The URL shown is <http://www.voset.sk/grafana/dashboard/snapshot/rhCWzSKSSCiEC7azsMHkd5uLd6UjF7AL?orgId=5>.

The 'WEB download time [s]' graph shows a time series of data points. The context menu is open, showing options: View, Share, More ... The 'Share' option is selected, and the 'Save image as...' option is highlighted in the context menu.

The 'PDP context activation time [s]' graph is partially visible at the bottom of the dashboard.

Only user with **Admin** and **Editor** permission can create/modify email alerts. Please ask DaSeT/VoSeT support team to create a new alerts.

