



How to work with
GpsGate Platform

Summary

This guide includes a detailed introduction of Trak Smart Fuel Cap to **GpsGate** Fleet Platform.

With this guide, you'll be able to;

- receive real time **push-up notifications** on GpsGate GPS Tracking Platform depending on the status of Trak Smart Fuel Cap
- receive **notification emails** depending on the status of Trak Smart Fuel Cap
- receive **mobile notifications** on iOS or Android
- generate **reports** based on Trak Smart Fuel Cap activities

*GPS Tracking Device: **Teltonika FMB920** (Please check the **link** for pairing Trak Smart Fuel Cap with Teltonika Devices)*

Notification Samples - Web Interface



Trak Tracking Platform | Devices | admin

Vehicles (1)

Status	Name	Last seen
🟢	Trak Demo Truck	11:30:58 PM

Map

Trak Demo Truck

Daily Summary | Tracks

Select vehicles...

April 19 12:00 AM - 11:59 PM

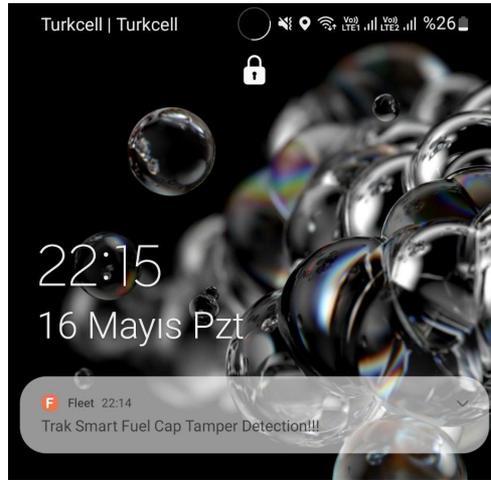
View track data
Add a vehicle to get started.

Status | Vehicle info | Events (1)

🚨 SOS	🚨 Inside Geofence	🚨 Trak Smart Fu...	🚨 Trak Smart Fu... 1
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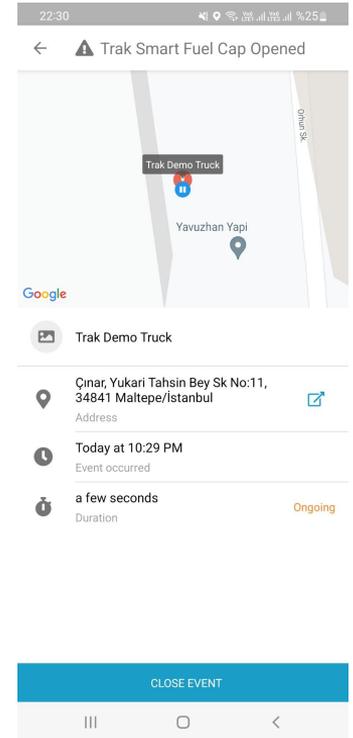
Notification Samples - Mobile Interface



Android Push-up
Notifications



Notifications



Notifications details

IOS Push-up
Notifications

Reports

Event Rule

Event Rule

Download Print E-mail Show Parameters

Period start: **Tuesday, 19 April 2022**
Period end: **Tuesday, 19 April 2022**
Total events: **7**
Total vehicles: **1**
Total duration: **0:46:34**

Trak Smart Fuel Cap Opened

Total events: **1**

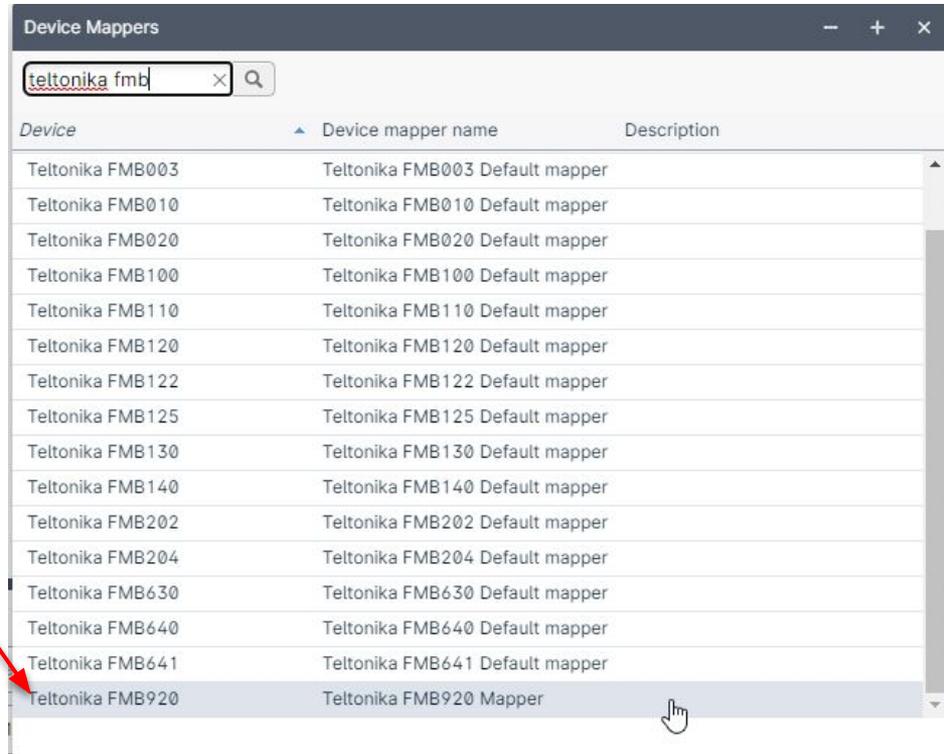
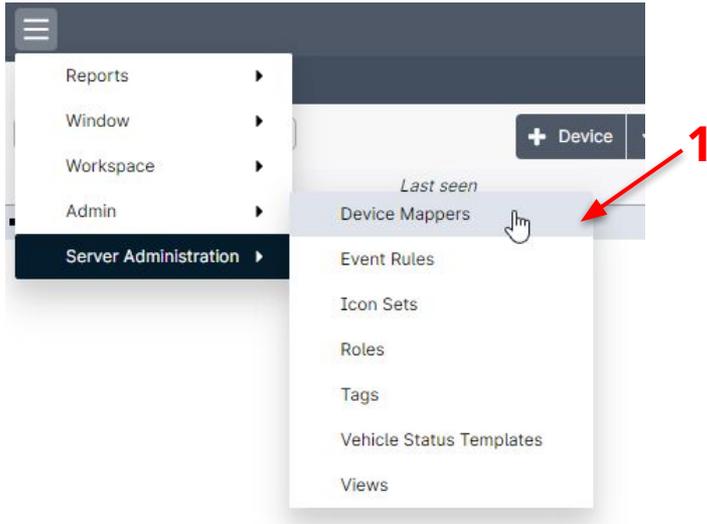
Start Date	Start Time	Duration	Vehicle	Event State	Start Address	End Address
04/19/2022	16:47	0:39:35	Trak Demo Truck	Finished		
		0:39:35				

Trak Smart Fuel Cap Tamper Detection

Total events: **6**

Start Date	Start Time	Duration	Vehicle	Event State	Start Address	End Address
04/19/2022	22:43	0:01:09	Trak Demo Truck	Finished	Çınar, Yukari Tahsin Bey Sk No:11, 34841 Maltepe/İstanbul	Çınar, Yukari Tahsin Bey Sk No:11, 34841 Maltepe/İstanbul
04/19/2022	22:51	0:00:59	Trak Demo Truck	Finished	Çınar, Yukari Tahsin Bey Sk No:11, 34841 Maltepe/İstanbul	Çınar, Yukari Tahsin Bey Sk No:11, 34841 Maltepe/İstanbul
04/19/2022	22:59	0:02:00	Trak Demo Truck	Finished	Çınar, Yukari Tahsin Bey Sk No:11, 34841 Maltepe/İstanbul	Çınar, Yukari Tahsin Bey Sk No:11, 34841 Maltepe/İstanbul
04/19/2022	23:01	0:01:00	Trak Demo Truck	Finished	Çınar, Yukari Tahsin Bey Sk No:11, 34841 Maltepe/İstanbul	Çınar, Yukari Tahsin Bey Sk No:11, 34841 Maltepe/İstanbul
04/19/2022	23:28	0:00:51	Trak Demo Truck	Finished	Çınar, Yukari Tahsin Bey Sk No:11, 34841 Maltepe/İstanbul	Çınar, Yukari Tahsin Bey Sk No:11, 34841 Maltepe/İstanbul
04/19/2022	23:30	0:01:00	Trak Demo Truck	Finished	Çınar, Yukari Tahsin Bey Sk No:11, 34841 Maltepe/İstanbul	Çınar, Yukari Tahsin Bey Sk No:11, 34841 Maltepe/İstanbul

1. Create a New Device Mapper



Create a new Device Mapper for your Tracking Device:

1. Click to Device Mapper under Admin Menu
2. Choose your device (in our case it is Teltonika FMB920, it may differ on your case)

1. Create a New Device Mapper

Device Mapper

▼ 1. Details (Teltonika FMB920 Trak Mapper)

Device mapper name and description.

Device: Teltonika FMB920

Name: Teltonika FMB920 Trak Mapper

Description: An updated Mapper for Trak

▶ 2. Device Odometer (GPS distance)

▶ 3. Mappings

▶ 4. Trip Definition (GPS Movement)

Save Cancel

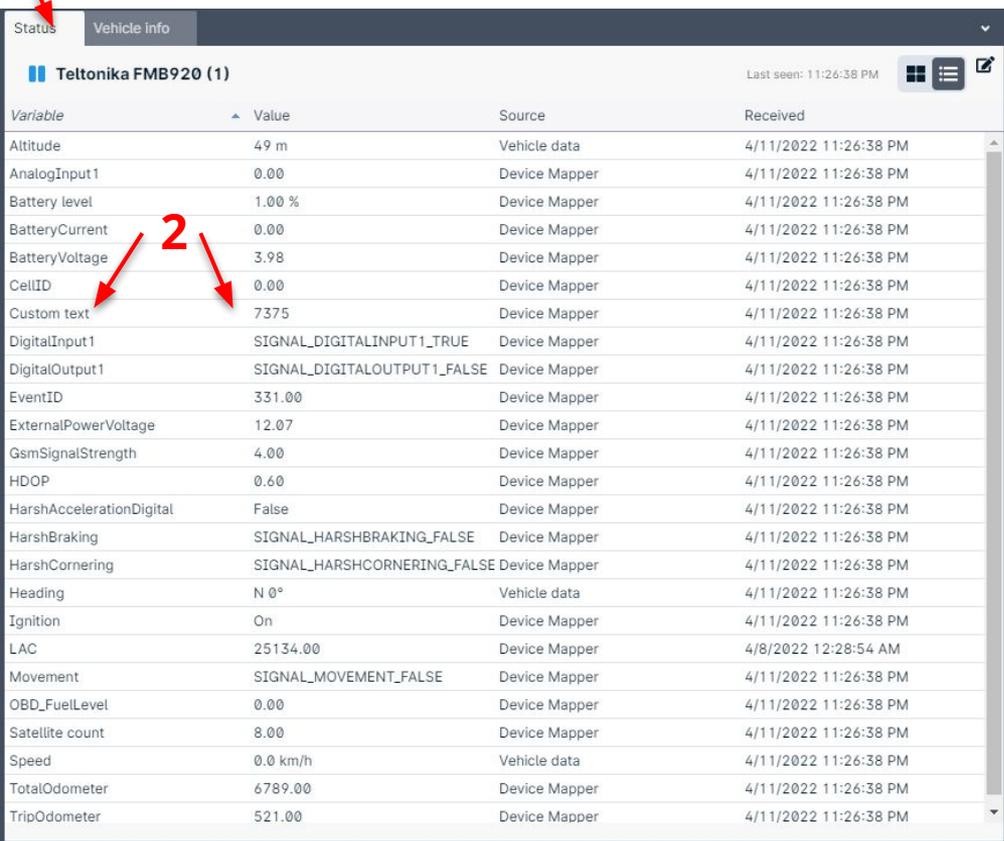
3. Define the naming of the mapper
4. Add a Description for the mapper (optional)

1. Create a New Device Mapper

The screenshot shows the 'Device Mapper' application window. The interface is divided into sections: '1. Details (Teltonika FMB920 Trak Mapper)', '2. Device Odometer (GPS distance)', '3. Mappings', and '4. Trip Definition (GPS Movement)'. Under '3. Mappings', there is a list of sensor mappings. The row for 'BLE_Sensor1_Raw' is highlighted in green, with a red arrow labeled '5' pointing to it. A dropdown menu is open for this row, showing various data types: 'ChatMessage', 'Custom string 2', 'Custom string 3', 'Custom string 4', 'Custom text', 'DataToTheBackendServer', and 'DataToTheBackendServerASCII'. A red arrow labeled '6' points to the 'Custom text' option. At the bottom of the window, there are 'Save' and 'Cancel' buttons. A red arrow labeled '7' points to the 'Save' button.

5. Find **BLE_Sensor1_Raw**
6. Select **Custom text** (*CustomString*)
7. *Click Save*

1 2. Check Status



Variable	Value	Source	Received
Altitude	49 m	Vehicle data	4/11/2022 11:26:38 PM
AnalogInput1	0.00	Device Mapper	4/11/2022 11:26:38 PM
Battery level	1.00 %	Device Mapper	4/11/2022 11:26:38 PM
BatteryCurrent	0.00	Device Mapper	4/11/2022 11:26:38 PM
BatteryVoltage	3.98	Device Mapper	4/11/2022 11:26:38 PM
CellID	0.00	Device Mapper	4/11/2022 11:26:38 PM
Custom text	7375	Device Mapper	4/11/2022 11:26:38 PM
DigitalInput1	SIGNAL_DIGITALINPUT1_TRUE	Device Mapper	4/11/2022 11:26:38 PM
DigitalOutput1	SIGNAL_DIGITALOUTPUT1_FALSE	Device Mapper	4/11/2022 11:26:38 PM
EventID	331.00	Device Mapper	4/11/2022 11:26:38 PM
ExternalPowerVoltage	12.07	Device Mapper	4/11/2022 11:26:38 PM
GsmSignalStrength	4.00	Device Mapper	4/11/2022 11:26:38 PM
HDOP	0.60	Device Mapper	4/11/2022 11:26:38 PM
HarshAccelerationDigital	False	Device Mapper	4/11/2022 11:26:38 PM
HarshBraking	SIGNAL_HARSHBRAKING_FALSE	Device Mapper	4/11/2022 11:26:38 PM
HarshCornering	SIGNAL_HARSHCORNERING_FALSE	Device Mapper	4/11/2022 11:26:38 PM
Heading	N 0°	Vehicle data	4/11/2022 11:26:38 PM
Ignition	On	Device Mapper	4/11/2022 11:26:38 PM
LAC	25134.00	Device Mapper	4/8/2022 12:28:54 AM
Movement	SIGNAL_MOVEMENT_FALSE	Device Mapper	4/11/2022 11:26:38 PM
OBD_FuelLevel	0.00	Device Mapper	4/11/2022 11:26:38 PM
Satellite count	8.00	Device Mapper	4/11/2022 11:26:38 PM
Speed	0.0 km/h	Vehicle data	4/11/2022 11:26:38 PM
TotalOdometer	6789.00	Device Mapper	4/11/2022 11:26:38 PM
TripOdometer	521.00	Device Mapper	4/11/2022 11:26:38 PM

1. Open **Status** window
2. Check you can see **Custom text** info. *(If you can not see at the first time, please open/close the cap) then it will appear)*

The value may differ regarding to your GPS Tracker settings as follows

Hexadec.	Decimal	String
736c	29548	sl
726c	29292	rl
7375	29557	su
7275	29301	ru

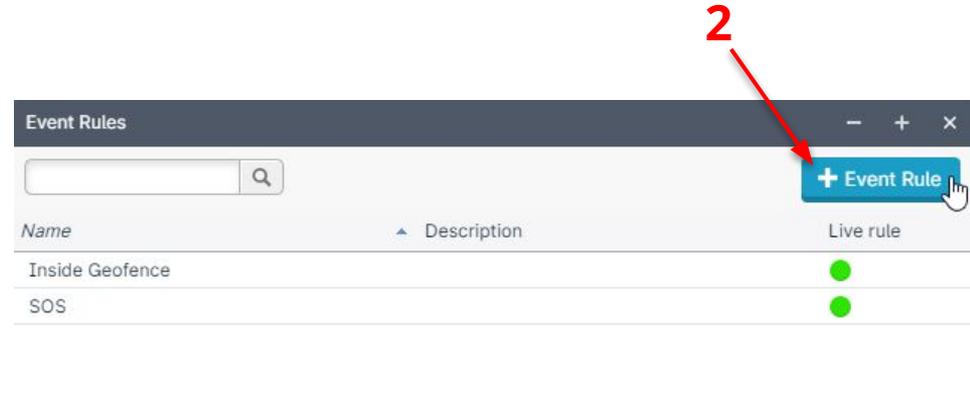
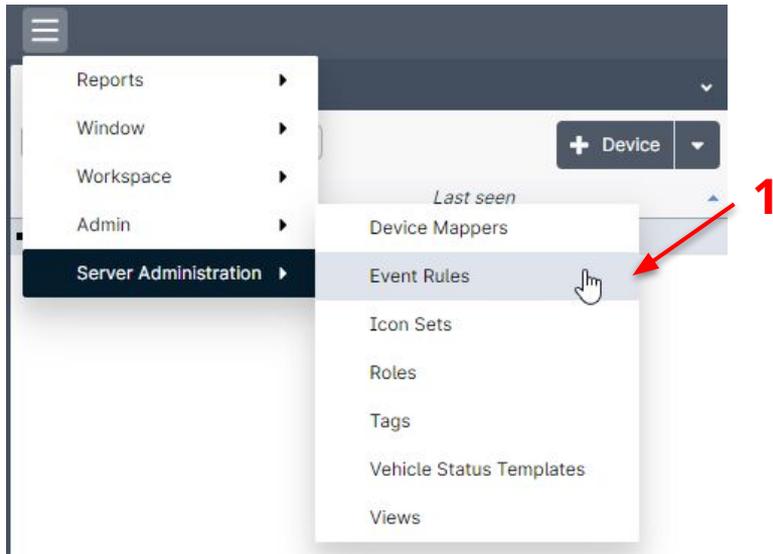


2. Check Status

#	Status	Hexadec.	Decimal	String
1	Normal Position (Cap is closed, and there is no tampering)	736c	29548	sl
2	Tamper Detection (Cap is closed, and someone is tampering the cap)(Rotatesense)	726c	29292	rl
3	Cap Open (Cap is opened, and there is no tampering)	7375	29557	su
4	Cap Open (Cap is opened, and someone is tampering the cap)(Rotatesense)	7275	29301	ru

to receive tampering alerts, be sure your Smart Fuel Cap has Rotatesense feature

3. Create Events // Cap Open



Define events based on Trak Smart Fuel Cap information

1. Click to Event Rules under Admin menu
2. Click Add Event Rule button

3. Create Events // Cap Open

Event Rule

1. Rule name and description

The rule name and description is used in alerts and reports to identify the rule.

Name:

Description:

Enabled: Yes No

3. Define the name of the Event when you will receive the Cap is opened
4. Define the description of the Event (optional)
5. Click Next

3. Create Events // Cap Open

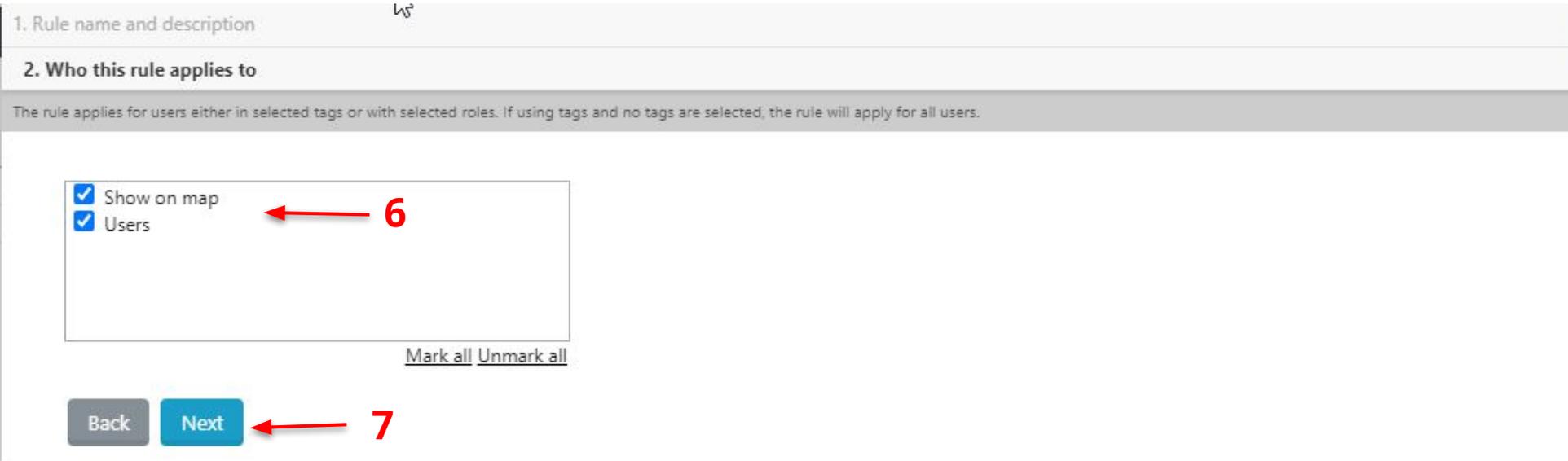
1. Rule name and description [↖]

2. Who this rule applies to

The rule applies for users either in selected tags or with selected roles. If using tags and no tags are selected, the rule will apply for all users.

- Show on map
- Users

[Mark all](#) [Unmark all](#)



6. Define the name user groups for this event.
7. Click Next

3. Create Events // Cap Open

3. Schedule rule activity

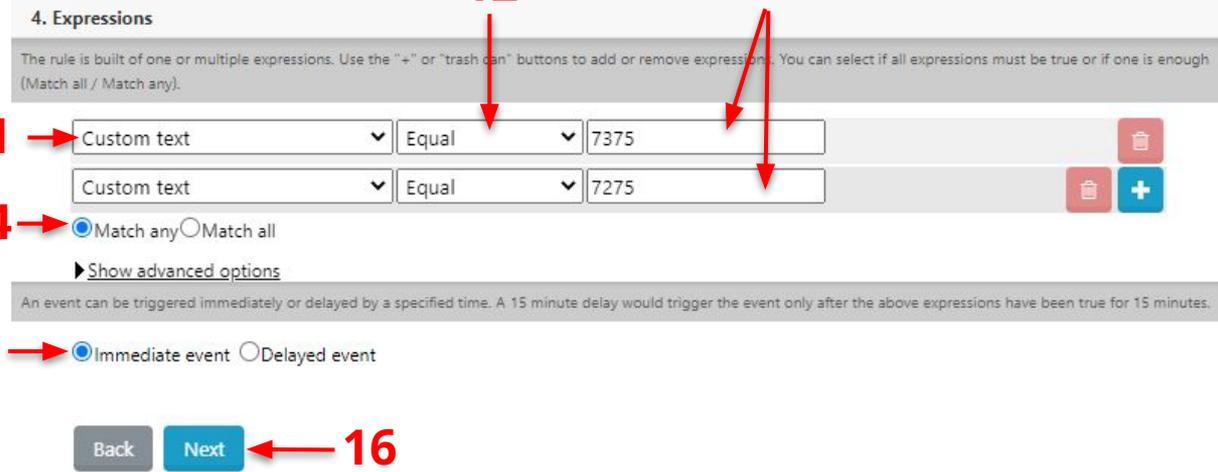
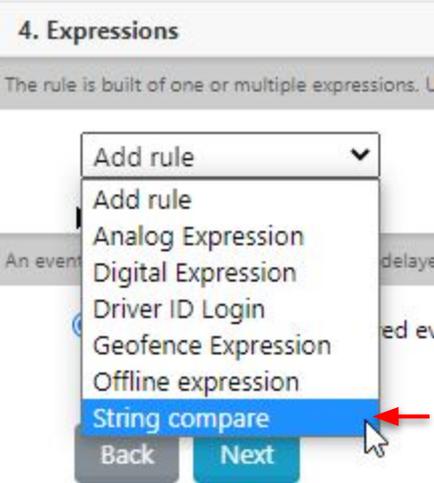
A rule can always be active or be limited to specific time periods, such as work hours or weekends.

Always active Activate on schedule ← 8

Back Next ← 9

- 8. Define the schedule (Always active is recommended)
- 9. Click Next

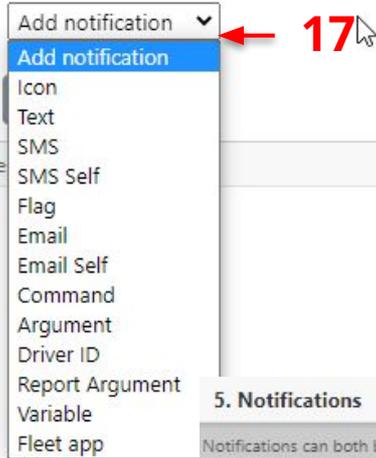
3. Create Events // Cap Open



10. Select **String compare** under Add rule
11. Select **Custom text**
12. Select **Equal**
13. Enter **7375** and **7275**
14. Select **Match any**
15. Select **Immediate event**
16. Click **Next**

3. Create Events // Cap Open

5. Notifications
Notifications can both be shown in the application and sent over email and SMS to multiple recipients. Use the

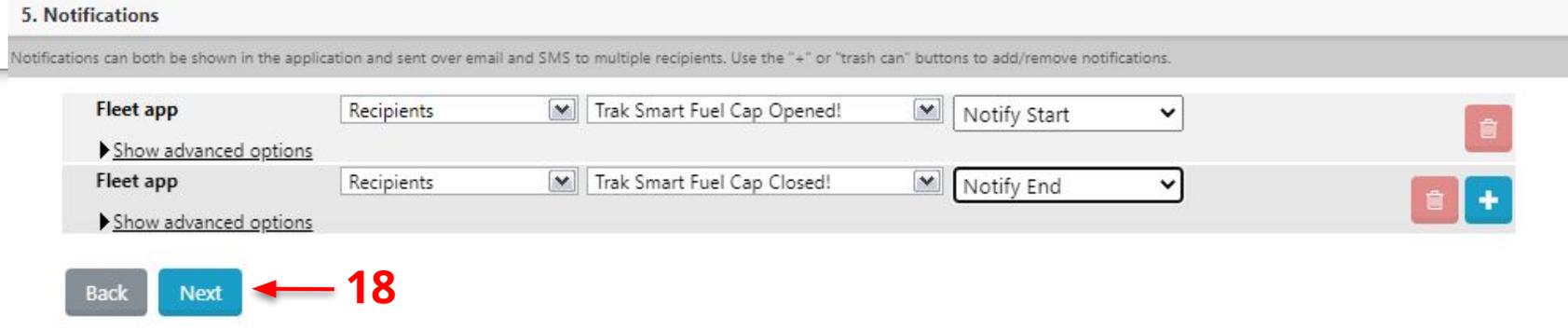


17. Select the notification you would like to receive.

Please see **5. Notifications** segment on the link below for detailed information regarding to notifications on GpsGate.

<https://support.gpsgate.com/hc/en-us/articles/360013302479>

18. Click **Next**



3. Create Events // Cap Open

6. Presentation

Event presentation settings.

Show in map view Enable ← 19

Close behavior Closed manually by user ← 20
 Closed automatically when finished

Color ↻

Comment on close Enable
 Require

Back **Next** ← 21

Event Rules

🔍 + Event Rule

Name	Description	Live rule
Inside Geofence		●
SOS		●
Trak Smart Fuel Cap Opened	An event to detect when Trak Smart Fuel Cap	●

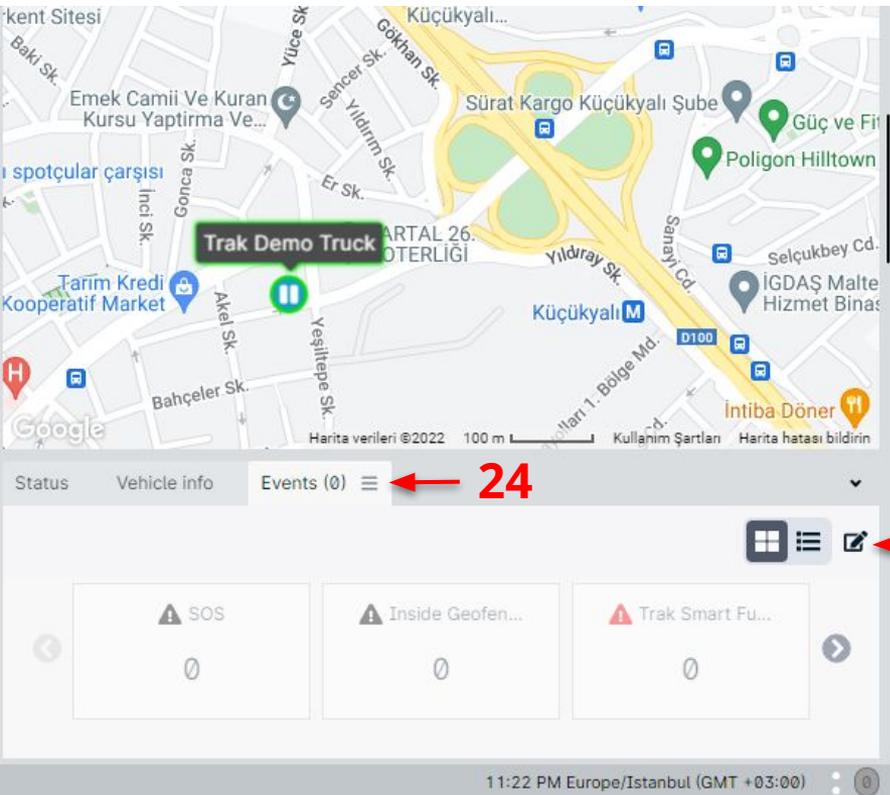
↑ 23

↓ 22

Save **Cancel**

19. **Enable** the Show in map view section
20. Select **Close manually by user**
21. Click **Next**
22. Click **Save**
23. You'll see your event is available under **Event Rules** section

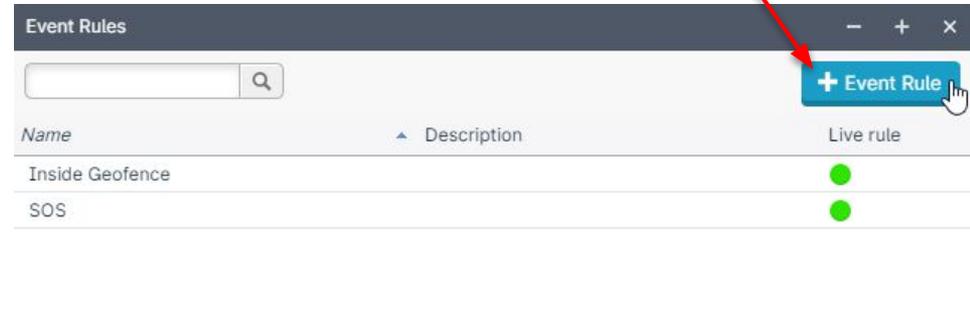
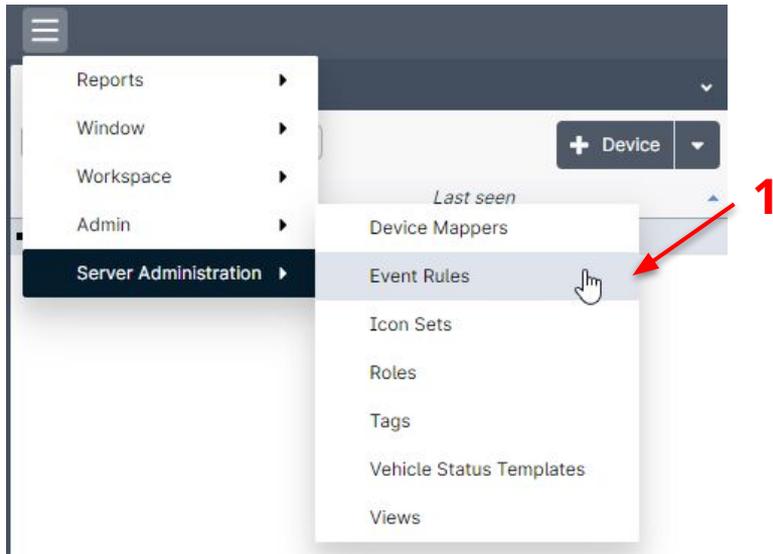
3. Create Events // Cap Open



24. Click **Events** Tab
25. Click **Settings** icon
26. Check if **Trak Smart Fuel Cap Opened** notification is **Enabled**. If not, enable it.

Event rule	Notification enabled
⚠ SOS	Disabled
⚠ Inside Geofence	Disabled
⚠ Trak Smart Fuel Cap Opened	Enabled ← 26

4. Create Events // Tamper Detection



Define events based on Trak Smart Fuel Cap information

1. Click to Event Rules under Admin menu
2. Click Add Event Rule button

4. Create Events // Tamper Detection

Event Rule - + x

1. Rule name and description

The rule name and description is used in alerts and reports to identify the rule.

Name: **3**

Description: **4**

Enabled: Yes No

Next **5**

3. Define the name of the Event when you will receive when tamper detected by Rotatesense
4. Define the description of the Event (optional)
5. Click Next

4. Create Events // Tamper Detection

1. Rule name and description [↖]

2. Who this rule applies to

The rule applies for users either in selected tags or with selected roles. If using tags and no tags are selected, the rule will apply for all users.

- Show on map
- Users

[Mark all](#) [Unmark all](#)

6. Define the name user groups for this event.
7. Click Next

4. Create Events // Tamper Detection

3. Schedule rule activity

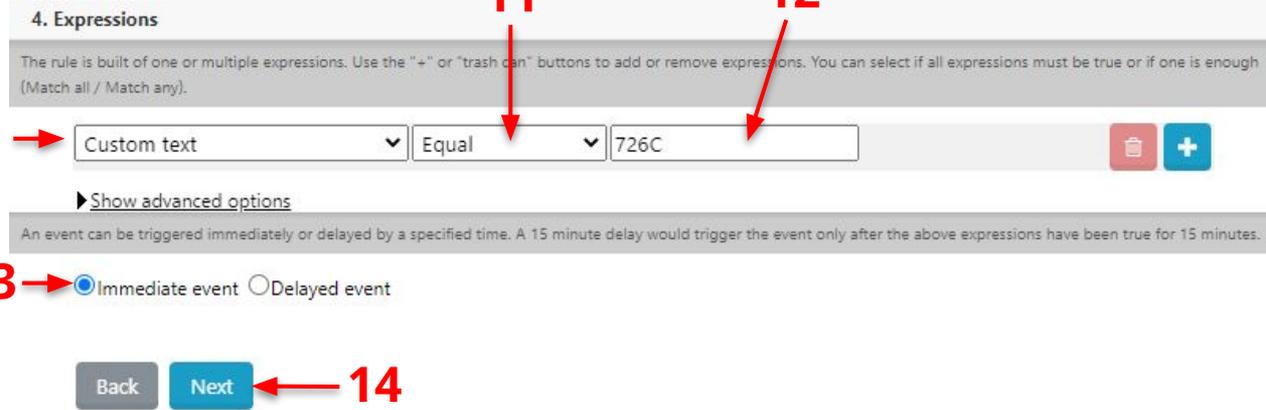
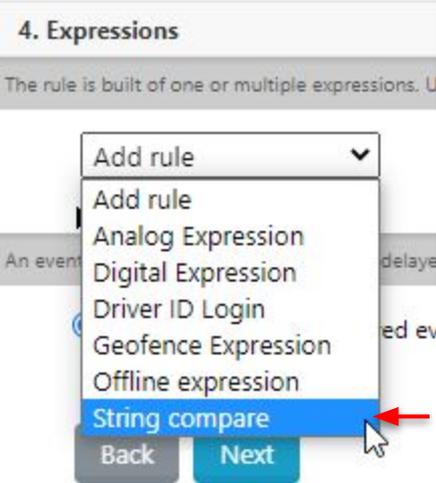
A rule can always be active or be limited to specific time periods, such as work hours or weekends.

Always active Activate on schedule ← 8

Back Next ← 9

8. Define the schedule (**Always active** is recommended)
9. Click **Next**

4. Create Events // Tamper Detection

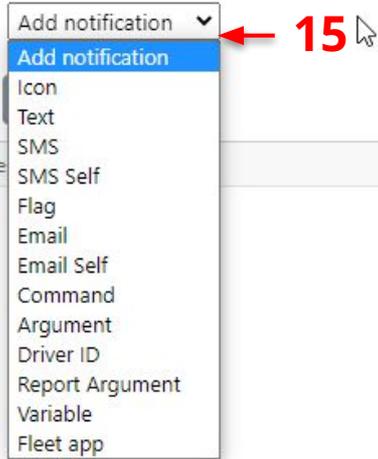


9. Select **String compare** under Add rule
10. Select **Custom text**
11. Select **Equal**
12. Enter **726C**
13. Select **Immediate event**
14. Click **Next**

4. Create Events // Tamper Detection

5. Notifications

Notifications can both be shown in the application and sent over email and SMS to multiple recipients. Use the



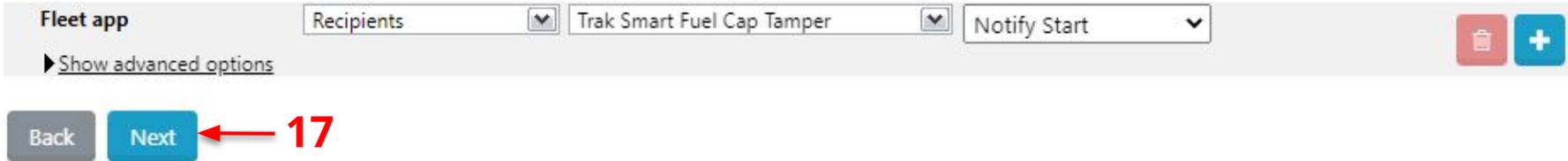
16. Select the notification you would like to receive.

Please see **5. Notifications** segment on the link below for detailed information regarding to notifications on GpsGate.

<https://support.gpsgate.com/hc/en-us/articles/360013302479>

17. Click **Next**

Notifications can both be shown in the application and sent over email and SMS to multiple recipients. Use the "+" or "trash can" buttons to add/remove notifications.



4. Create Events // Tamper Detection

6. Presentation

Event presentation settings.

Show in map view Enable ← 18

Close behavior Closed manually by user ← 19
 Closed automatically when finished

Color

Comment on close Enable
 Require

← 20

Event Rules

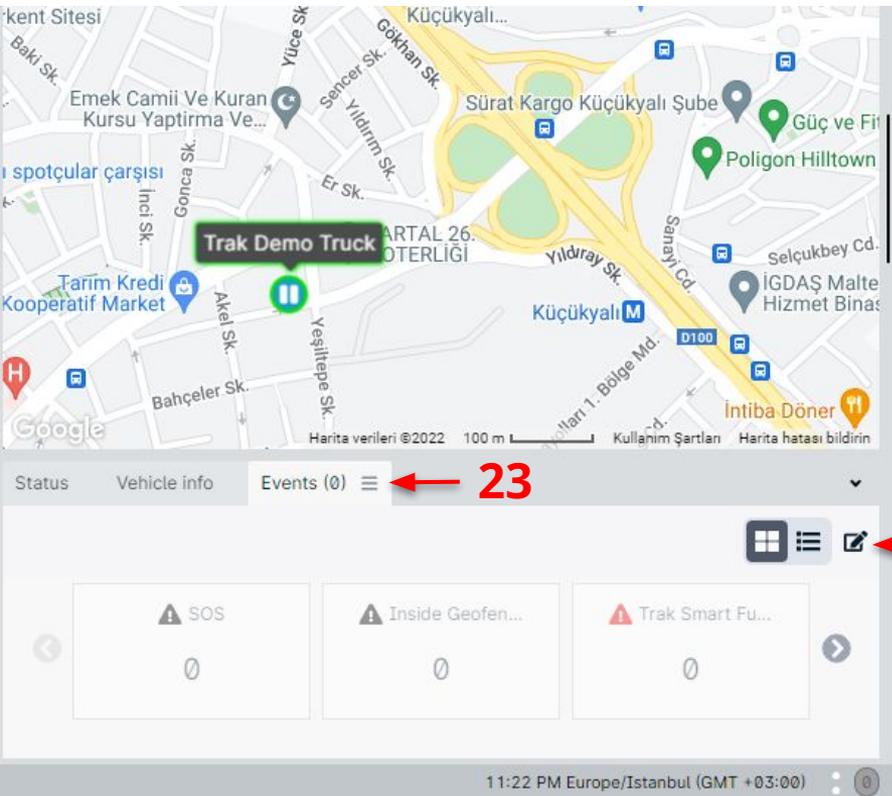
Name	Description	Live rule
Inside Geofence		●
SOS		●
Trak Smart Fuel Cap Opened	An event to detect when Trak Smart Fuel Cap	●
Trak Smart Fuel Cap Tamper Detection	Trak Smart Fuel Cap Tamper Detection	●

↑ 22

↑ 21

18. **Enable** the Show in map view section
19. Select **Close manually by user**
20. Click **Next**
21. Click **Save**
22. You'll see your event is available under **Event Rules** section

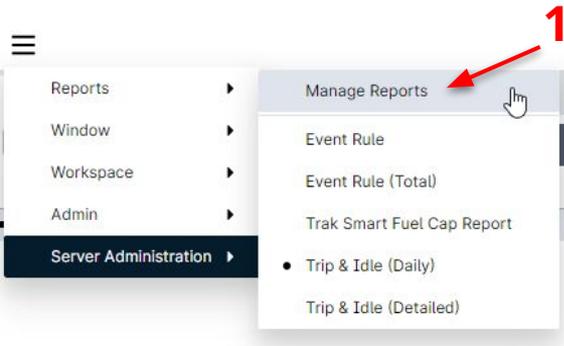
4. Create Events // Tamper Detection



23. Click **Events** Tab
24. Click **Settings** icon
25. Check if **Trak Smart Fuel Cap Opened** notification is **Enabled**. If not, enable it.

Event rule	Notification enabled
⚠ SOS	Disabled
⚠ Inside Geofence	Disabled
⚠ Trak Smart Fuel Cap Opened	Enabled
⚠ Trak Smart Fuel Cap Tamper Detecti...	Enabled

5. Reports

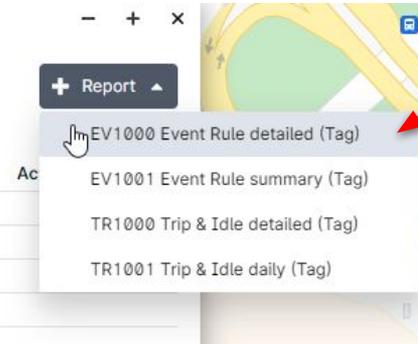


1. Click **Reports** then **Manage Reports**
2. Click **Report** then **EV1000 Event Rule detailed (Tag)**

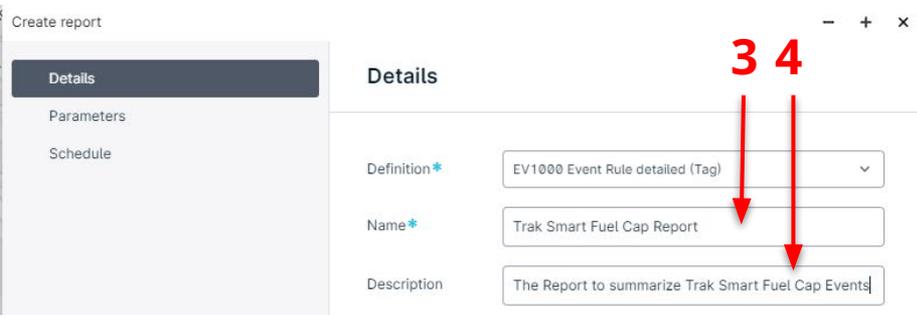
Manage Reports

Search reports

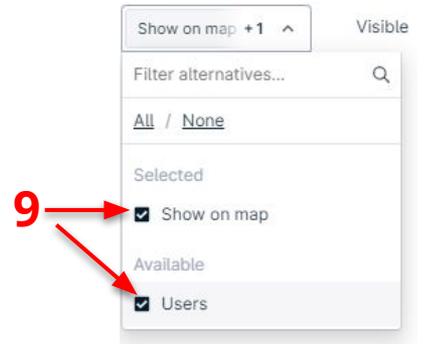
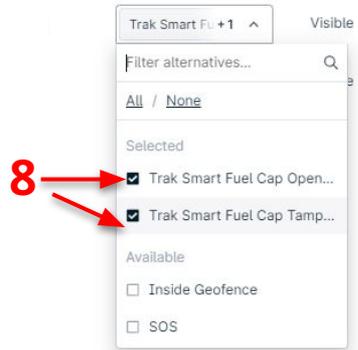
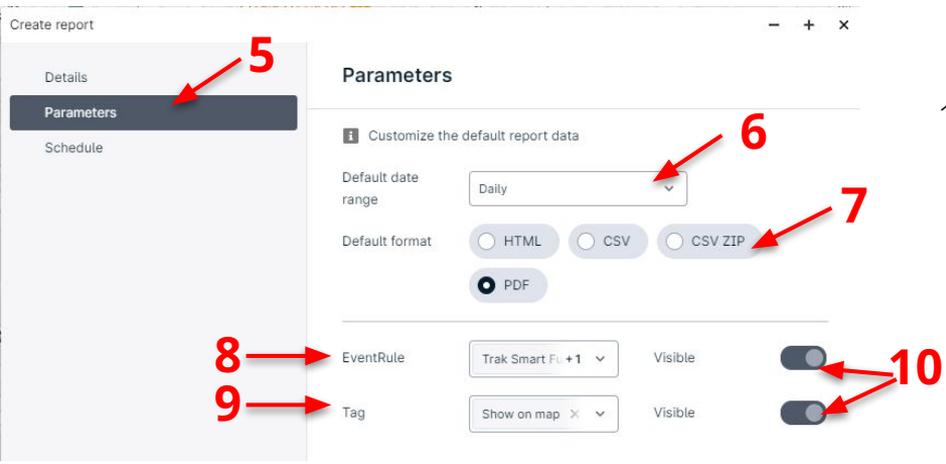
Report	Description
Event Rule	Detailed Event Rule report, per Tag
Event Rule (Total)	Event rule summary report, per Tag
Trip & Idle (Daily)	Daily Trip & Idle report, per Tag
Trip & Idle (Detailed)	Detailed Trip & Idle report, per Tag



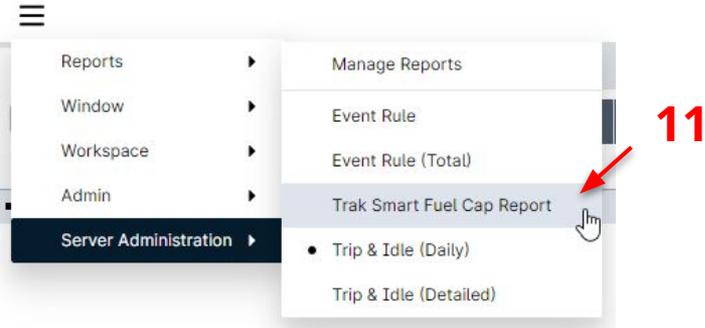
5. Reports



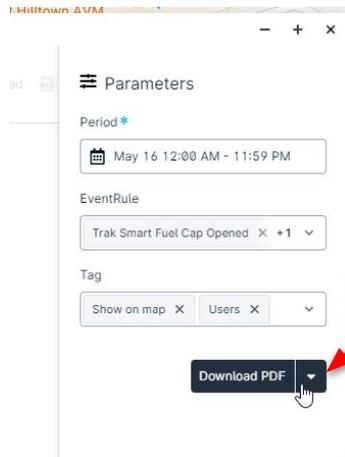
3. Enter a **Name** for the report
4. Define the **Description**
5. Click to **Parameters** Tab
6. Select the report interval
7. Select the format you would like to receive
8. Select Events that created on this guide, which are related to Trak Smart Fuel Cap
9. Select the Tags
10. Make EventRule and Tag Visible and **Save** the report



5. Reports



11. Click **Reports** then **Trak Smart Fuel Cap Report** (this may differ regarding to your naming)
12. Click **Run** or **Downlad PDF** to see the report



Trak Smart Fuel Cap Report

Period start: Monday, 16 May 2022
Period end: Monday, 16 May 2022
Total events: 17
Total vehicles: 1
Total duration: 0:54:20

Trak Smart Fuel Cap Opened

Total events: 7

Start Date	Start Time	Duration	Vehicle	Event State	Start Address	End Address
05/16/2022	21:53	0:18:01	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
05/16/2022	22:15	0:05:42	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
05/16/2022	22:24	0:01:00	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
05/16/2022	22:25	0:01:15	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
05/16/2022	22:29	0:01:00	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
05/16/2022	22:37	0:18:11	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
05/16/2022	23:09	0:01:39	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
		0:46:48				

Trak Smart Fuel Cap Tamper Detection

Total events: 10

Start Date	Start Time	Duration	Vehicle	Event State	Start Address	End Address
05/16/2022	21:38	0:00:20	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
05/16/2022	21:44	0:01:00	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
05/16/2022	22:11	0:01:00	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
05/16/2022	22:14	0:01:01	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
05/16/2022	22:21	0:00:50	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
05/16/2022	22:23	0:00:20	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
05/16/2022	22:25	0:00:31	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
05/16/2022	22:27	0:00:31	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
05/16/2022	22:30	0:00:59	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
05/16/2022	23:11	0:01:00	Trak Demo Truck	Finished	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul	Cınar, Yukari Tahsin Bey Sk No:11, 34841 Matpepefistanbul
		0:07:32				

Thank you!

Please contact us
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