



## Jobs

With FleeTrak Monitor, users can do the following tasks while monitoring your assets.

- How to schedule jobs
- Executing Commands
- Change User Access to Units
- Sending reports by E-mail
- Send Information about fuel
- Jobs about Routes

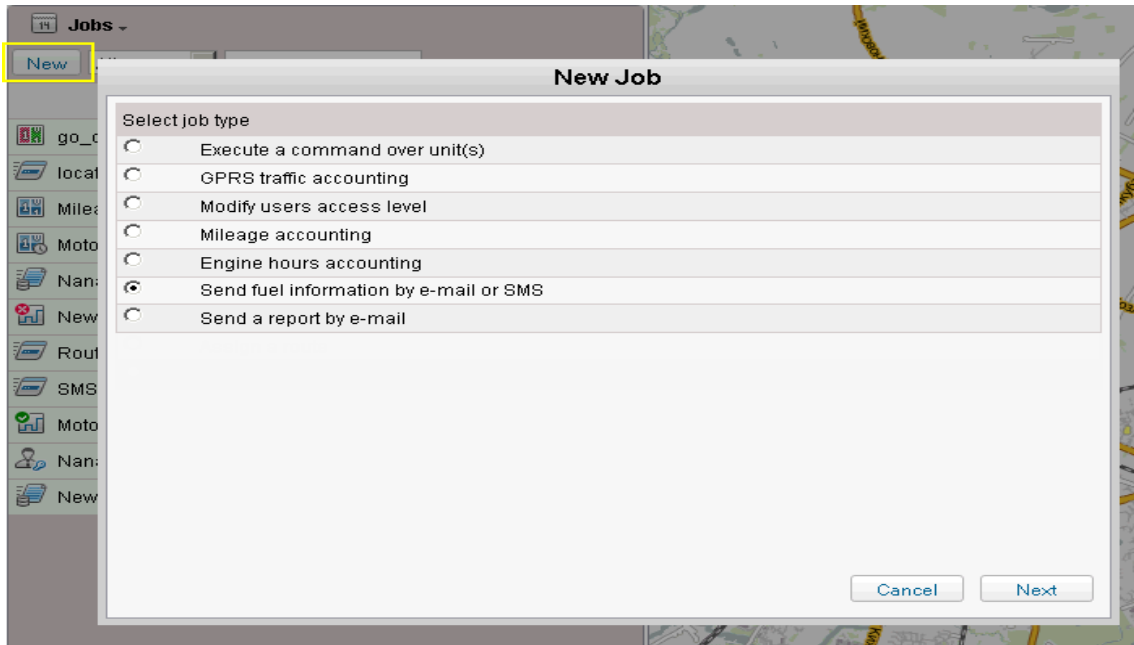
### How to schedule jobs

To make manipulations with jobs, you should have at least one resource with the access right: *Create, edit, and delete jobs*.

To create a new job, press the New button. In the dialog choose job type:

- Execute a command over unit(s),
- GPRS traffic accounting,
- Change access to units,
- Mileage accounting,
- Engine hours accounting,
- Send fuel information by e-mail or SMS,
- Send a report by e-mail.

Then follow instructions in the dialog. For any type you have to select units to apply this job to and set the basic parameters like activation time and schedule. For each type of job adjust also individual parameters described below.



### Selecting Units for Jobs, Notifications, and Routes









Access required: *Use unit in jobs, notifications, routes, retranslators* (resource's creator where the job belongs is supposed to have this access to units to assign then this job).

By default, only units which are on the work list of the Monitoring panels at the moment are displayed in the dialog where you choose units for a job, notification or route. If you use the dynamic work list (formed according to data actuality), *all* units allowed for the activity are displayed in the dialog.

If you see no units, try *Display all available units/groups* option. If it does not help, it means there is not enough access to any of units.

You can switch between units and groups. Use the selector on the left for this. If you select a group, it means the action will be applied to all units in this group. The list of units is in group's tooltip.

Mark units/groups to apply a job/notification/route to. Put the flag in the header of the table to select all items.

	Groups	Display all available groups	
 Anti Local	Units Groups	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 Cheburatorea			<input type="checkbox"/>
 Cortorate TSM			<input type="checkbox"/>
 CTO-les10			<input type="checkbox"/>
 Heavy Haulers			<input type="checkbox"/>
 International			<input checked="" type="checkbox"/>
 Local Str			<input type="checkbox"/>
 Retranslated Units			<input checked="" type="checkbox"/>

While editing a job or notification, this page contains units selected for the job (they are checked) and units displayed on the work list at the moment. You can add more units for the action or remove some. However, only unit with *Use unit in jobs...* flag can be displayed here. If a job or notification that you are editing contains units to which you have not enough rights, you will be warned about it and in case you save the job/notification, those units will be lost.

### Basic Parameters for Jobs

These parameters are adjusted in the last page of the dialog:

General

Time Limitations

Name:

Description:

Execution schedule:  each  hours  minutes  
 on schedule

Activation time:

Max executions:

Enabled:

**Name:** It is used in jobs list or as mail topic if the job is to send some information by e-mail.

**Description:** Job description is optional. It can appear in job tooltip.

**Execution schedule:** Two ways to set schedule exist:

- Periodic execution: *each ... hours and minutes.*



- On schedule. Key in time in the format of *hours: minutes* or just *hours*. If you need to indicate several points in time, separate them by spaces.

**Activation time:** Date and time when the job will be activated.

**Maximum executions:** Enter the number of job executions after which it will automatically be deleted. If you leave this field empty, the job will be executed endlessly until you delete it or disable manually.

**Enabled:** This check box indicated whether the job is on or off. When creating a job, enable this check box to activate the job just after creation. If this check box is not marked, the job will appear on the list anyway, and you can activate it later.

**Time limitations:** In the right part of the dialog one can define time limitations by days, months, time, etc. For instance, the job can be assigned to a unit just on weekdays and within working hours from 9 AM to 6 PM. Or you may want to reset traffic counter once a month on the first day of the month. To do this, select the day 1.

Job name and schedule are required fields, other parameters are optional.



### Execute a command

While creating a job of this type, choose a command to be executed from the given list. The list consists of all commands which are configured in selected units (if you have *Execute commands* rights to these units).

Not all of selected units may be able to execute a chosen command, and it is seen from the indicator:

- a green sign means that all selected units support this command;
- a yellow triangle means that not all of selected units can perform it (see details in the tooltip).

Restrictions can be placed due to access rights or device type used.

Available commands			Supported
<input type="radio"/>		Day interval	
<input type="radio"/>		Finite	
<input type="radio"/>		Finite 2	
<input type="radio"/>		For Vodila	
<input type="radio"/>		Night interval	
<input type="radio"/>		Output off	
<input type="radio"/>		STOP	
<input type="radio"/>		Where are you?	
<input checked="" type="radio"/>		TOP	

For some commands you should set additional parameters like input/output number, online report interval, etc.



### Change User Access to Units

This job is aimed to change users' access rights automatically, for example, if you want to give someone demo access for several days or restrict access to working hours.

To configure this job, select users and assign them new access. On the list there are only users to which you have access *Manage user's access rights*.

Check necessary users on the left and indicate access flags on the right. You can set flags, remove flags, or leave them untouched.

Change access to units

<input type="checkbox"/> Users	<input checked="" type="checkbox"/> View item and its basic properties
<input type="checkbox"/> client-7	<input type="radio"/> <input type="radio"/> <input type="radio"/> <b>Actions (add, remove, skip)</b>
<input type="checkbox"/> Duremar	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> View detailed item properties
<input type="checkbox"/> MorbidCo	<input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> Manage access to this item
<input type="checkbox"/> nana	<input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> Delete item
<input checked="" type="checkbox"/> octobrian	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> Rename item
<input type="checkbox"/> R-client1	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> View custom fields
<input type="checkbox"/> user007	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> Manage custom fields
	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> Edit not mentioned properties
	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> Change icon
	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> Query reports or messages



### Sending reports by E-mail

This job can be used to automatically generate and send reports about units activity to your e-mail(s).

Choose report template, file format(s) and parameters. Specify time interval; for previous days/weeks/months/years. In the Recipients section enter e-mail address where to send reports.

Report template:

Parameters:

- Compress report files
- Attach map (for PDF and HTML only)
- Hide cartographic basis

File format:

- HTML
- PDF
- Excel
- XML
- CSV

Interval:

Including current

Recipients:

- 
- 

In the list of report templates, only those that belong to the same resource as the job are displayed. Depending on template type, you choose appropriate objects for report generation in the next page of the dialog: units, groups, users, drivers, routes, resources, or retranslators.

To apply the job for those objects, you should have a special access to them: *Query messages or reports* (besides, units are taken here from the work list of the Monitoring panel).

Only compressed files of reports can be sent as a job. After you have received a letter with a report, extract files to some folder and open them with appropriate applications depending on file formats.



### Send Information about Fuel

You can get information about fuel (fillings, thefts, fuel level) by e-mail or SMS according to predefined schedule. This information is given in *liters* only.

To detect fuel fillings and thefts, the appropriate unit settings are used (see Unit Properties => Fuel Consumption).

<p><b>General</b></p> <p><b>Event type:</b></p> <p><input type="checkbox"/> Fuel level</p> <p><input checked="" type="checkbox"/> Filling</p> <p><input type="checkbox"/> Theft</p> <p><b>Method of delivery:</b></p> <p><input checked="" type="checkbox"/> E-mail</p> <p><input checked="" type="checkbox"/> SMS</p> <p><b>Message form:</b></p> <p><input checked="" type="radio"/> Separate message for each unit</p> <p><input type="radio"/> All units in one message</p> <p>Time offset: <input type="text" value="0"/> minutes</p>	<p><b>Recipients:</b></p> <p><b>E-mails:</b></p> <p><input checked="" type="checkbox"/> <input type="text" value="user1@company.com"/></p> <p><input checked="" type="checkbox"/> <input type="text" value="user2@company.com"/></p> <p><input type="checkbox"/> <input type="text"/></p> <p><input type="checkbox"/> <input type="text"/></p> <p><input type="checkbox"/> <input type="text"/></p> <p><b>Phones:</b></p> <p><input checked="" type="checkbox"/> <input type="text" value="+370296876453"/></p> <p><input type="checkbox"/> <input type="text"/></p> <p><input type="checkbox"/> <input type="text"/></p> <p><input type="checkbox"/> <input type="text"/></p> <p><input type="checkbox"/> <input type="text"/></p>
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Additional parameters to configure this report are:

- *Event type*: filling, theft, fuel level (all three can be chosen). Fuel level means fuel level at the beginning and at the end of the interval (the interval is set later).
- *Method of delivery*: by e-mail and/or SMS. On the right enter your e-mail(s) and phone number(s) in the international format. When all slots to enter e-mails and phones are filled, additional slots appear automatically.
- *Message form*: one unit in one message or all units in one message.
- *Time offset* (in minutes). This parameter allows you to analyze messages from the black box. In this case, time offset value is subtracted from interval beginning and end.

#### Note

Information about fuel filling and thefts is sent only in case if any has been detected. Information about fuel level is given in any case.





## SMS Format

*Unit Name*

*x a/b/c*

- *Unit Name* is unit name as set in unit properties (to save traffic it is recommended to use no other letters but Latin);
- x – sensor number;
- a – fuel level (in liters);
- b – fuel filling (in liters);
- c – fuel theft (in liters).

For example,

*Iveco\_1501*

*1 66/-/-*

*2 100/-/10*

The SMS message above means that according to the first sensor the unit Iveco\_1501 has 66 litres of fuel, and no fillings and thefts were detected; according to the second sensor (fuel in the second tank, for example) fuel level is 100 litres, no fillings were found, and 10 litres theft was detected.

Dashes may mean one of the following:

- The corresponding flag is not ticked in job parameters. For example, it is not chosen to send fuel level.
- There are no valid data (it may happen with fuel level).
- Required events were not detected (it may happen with fillings and thefts).