myeyeinthesky

POWERED BY wialon

QUICK START MANUAL

Quick Step User Guide

To download the full version of the user manual
please visit www.myeyeinthesky.com

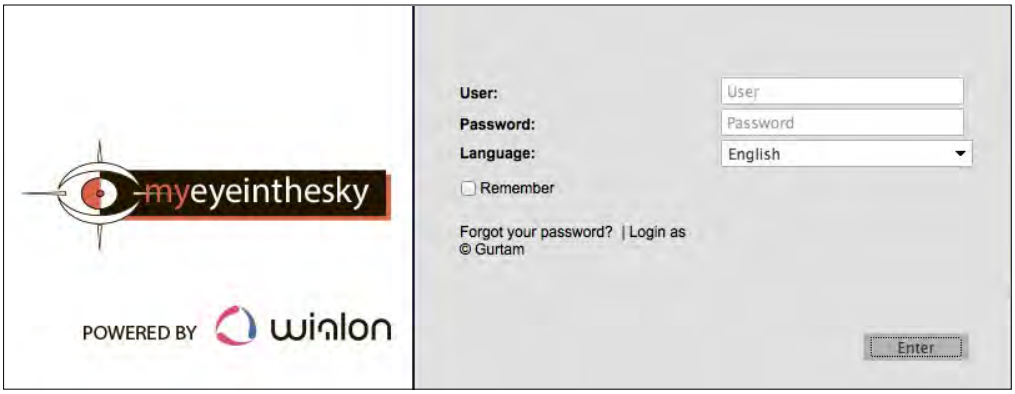
Quick Start

Table of Contents

1. Login

Key in your user name and password on the login page, and press *Enter*.

Make sure you use one of the supported browsers, which are: Mozilla Firefox 21+, Google Chrome 29+, Opera 10+, Internet Explorer 8+. See System Requirements and Optimization.

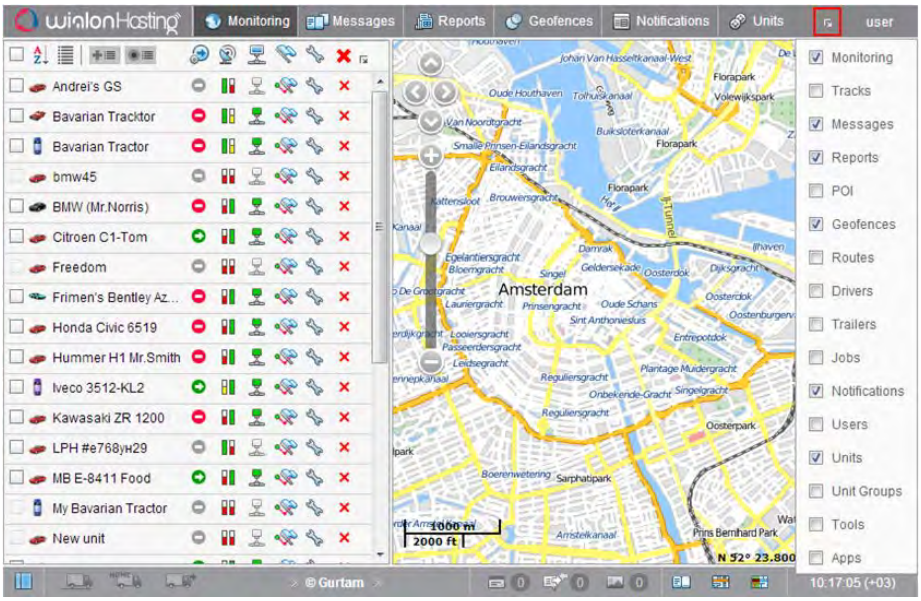


2. Interface

You have entered the main interface of the tracking system. On the left, there is the work area. Here you work with panels like *Monitoring, Tracks, POI, Geofences, Jobs, Notifications* and so on. These panels you choose in the Main menu above the work area.

On the right, there is usually the map.

Wialon's interface is developed to be user friendly that is why we can choose the panels of main menu we need to work with. They are: *Monitoring, Messages, Reports, Geofences, Notifications, Units* (Main menu customizer helps us in this task).

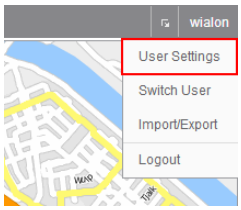


Dragging the map with the left mouse button and zooming it with the mouse scroll, move to the location (city or town) which will be the basic for you in the tracking process.

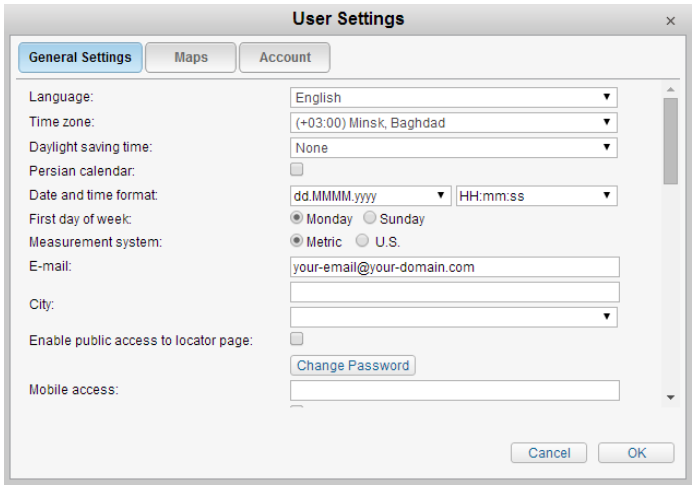
3. User Settings

In order to choose user parameters click on the username in the right corner of the top panel and press the *User settings* button in the dropdown menu. Afterwards, follow the steps:

- First and foremost, indicate your time zone.
- Secondly, indicate a type of daylight saving time used in your region.



Make sure you have selected the above mentioned settings properly, because they could influence the correctness of data presented in reports, messages, tooltips, jobs, routes, and elsewhere throughout the system.



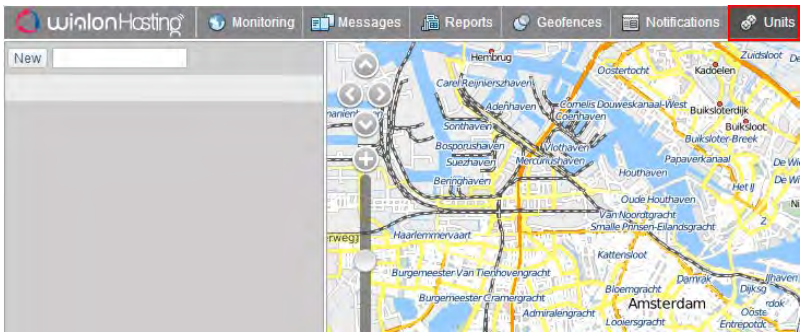
In the same dialog move to the *Maps* tab and press the button *Store current*. With this, the current map position will be stored and used for further logins to the system. At the end press OK to apply new settings. The page will be reloaded.

Preparatory work is finished. Now let us create a tracking unit.

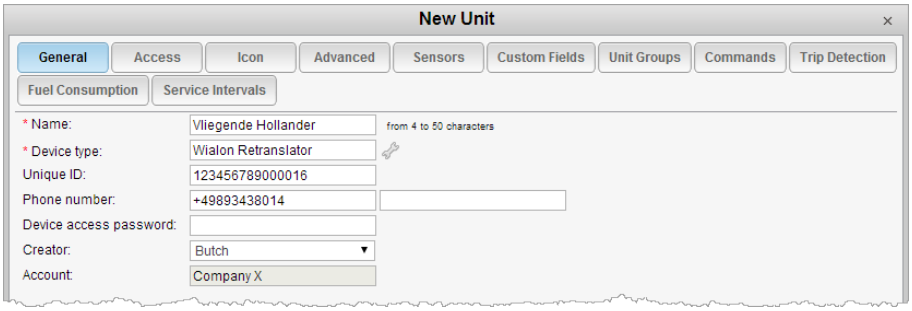
4. Creating Unit

Before configuring a unit, make sure the device is directed to Wialon. For more information on server IP, port, phone number, and the like, find your type of device in the list of supported devices and set the required parameters.

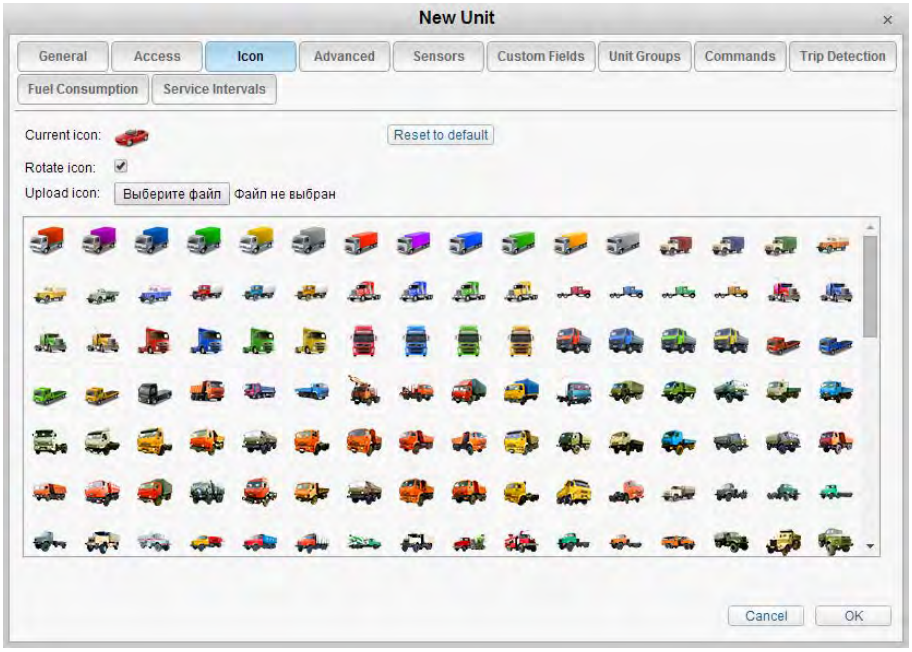
Open the *Units* panel in the work area and press the *New* button.



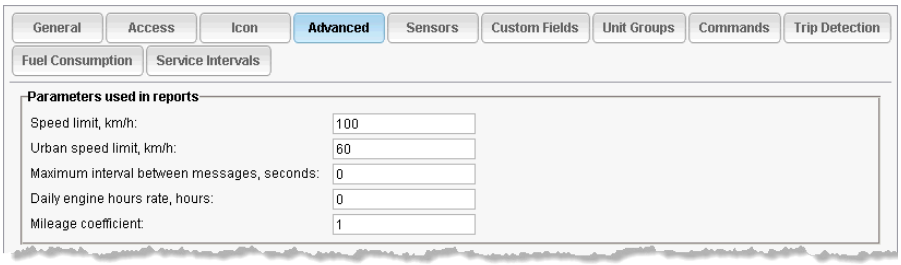
The dialog with multiple unit settings will be displayed. Give a name to the unit, indicate device type (click inside the field to see the list of available devices), enter unique ID (IMEI or serial number) and the phone number of the SIM card inserted into the device.



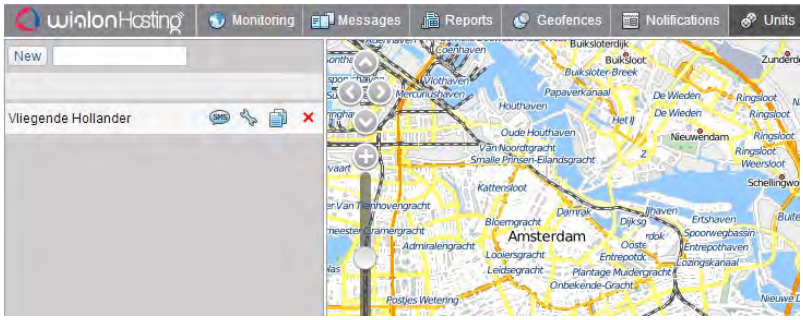
The *Icon* tab of the dialog provides an opportunity to choose the most appropriate image to display the unit on the map.



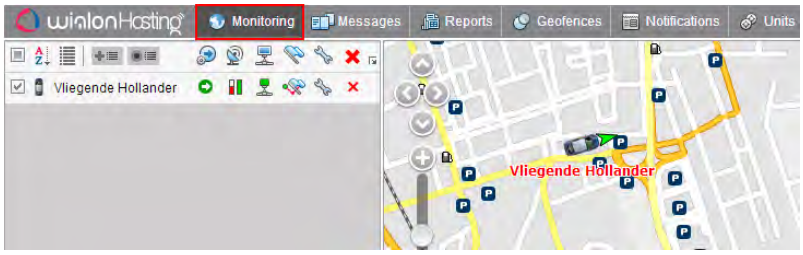
On the *Advanced* tab specify *Speed limit, km/h*. This setting is used to generate reports on speedings.



In the end press OK button. The newly created unit will appear in the list. Click on a unit name to locate it on the map.



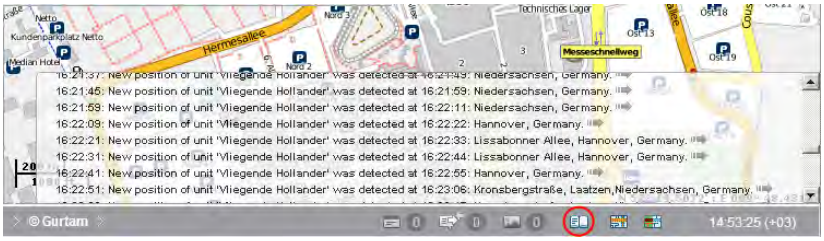
It will also appear in the monitoring panel.



5. Unit Check

a) Log

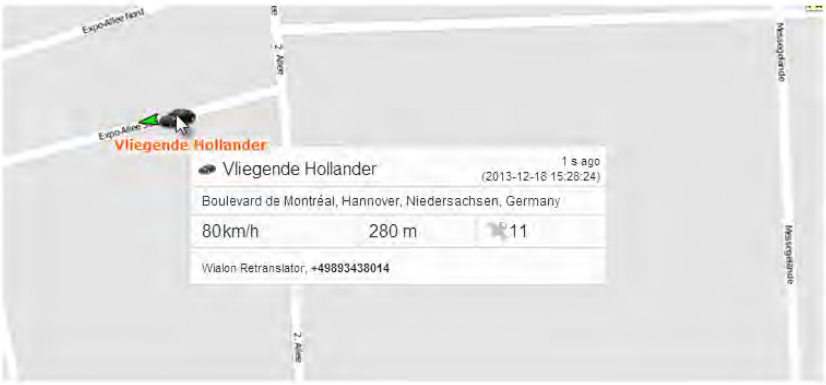
After creating a unit, data from it starts coming in the system as long as the unit is configured correctly. Each incoming message appears in the *log*. To see the log, open it pressing the button in the bottom right-hand corner of the program.



Along with the messages coming from tracking units, the log also shows current actions and operations such as creation and modification of geofences, notifications, unit properties, etc.

b) Unit info tip

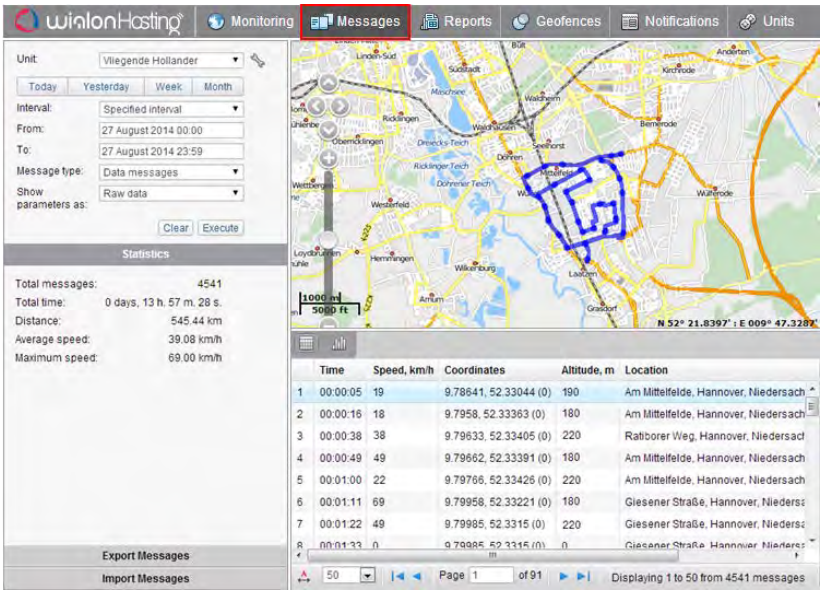
Hover the mouse pointer over the unit in the Monitoring panel or on the map to see the latest data in a tooltip: last message time, location (address or coordinates), speed, etc.



c) Messages panel

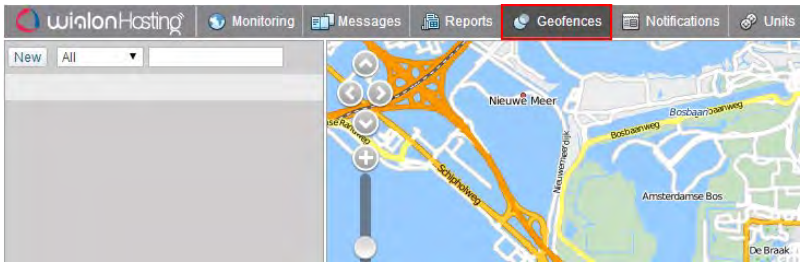
The most reliable way to check unit operability is to view its messages. To switch to the Messages panel, click on the *messages* panel in the main menu. Then in the work area select an interval to get messages for, and press *Execute*. Results appear on the right. There you can estimate how many messages were received during the indicated period

and what kind of data they present. Besides, the track of unit movements is shown on the map.

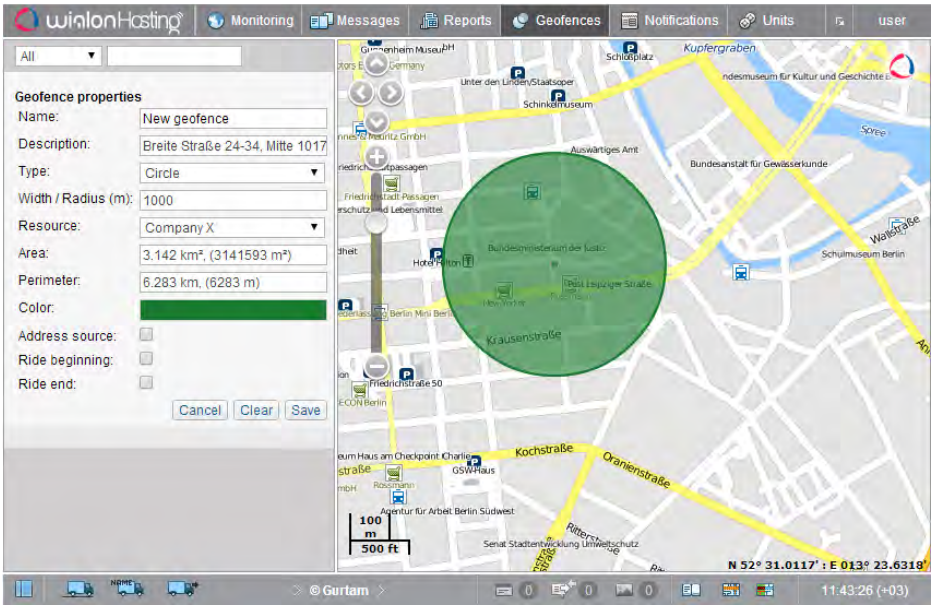


6. Creating Geofences

Geofences are to be created in places of interest, which should get under control. For this, go to the *Geofences* panel and press the *New* button.



The simplest and quickest geofence type to create is *circle* with specified radius. Enter name for the geofence and select the type *Circle*. Then double-click on the map in the place of supposed geofence. Alter the radius if necessary and press *Save*.

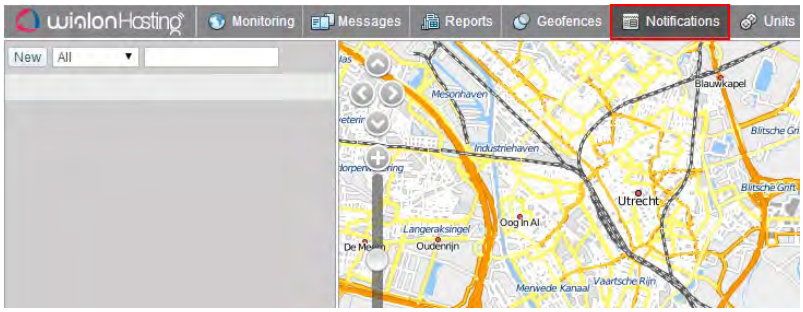


In a similar way, create as many geofences as necessary.

If you need a geofence of a more sophisticated form, choose type *Polygon* or *Line*. However, in this case a greater number of points is required to specify geofence's borders.

7. Notifications

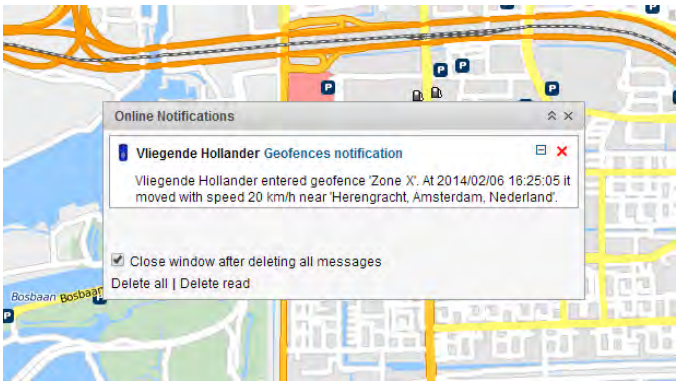
Now we can create a notification about a unit entering a geofence. Go to the *Notifications* panel and press the *Create Notification* button.



Moving through the dialog with the help of the *Next* button, set the following parameters for the notification:

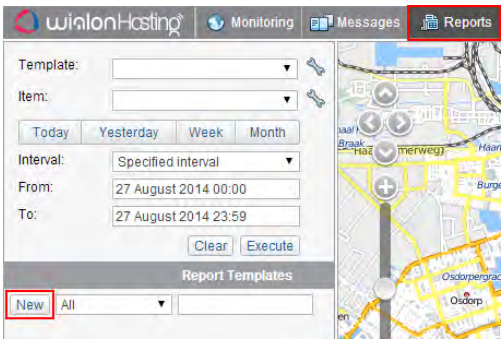
1. Select your unit (tick it).
2. Choose a control type (in our example we choose *Geofence*).
3. Specify a check type (*Inside geofence*), and select necessary geofence(s) from the list below. To select several geofences, press the CTRL key on the keyboard and tick necessary geofences.
4. Leave default notification text without changes.
5. Choose a method of a notification delivery, for example, *Display online notification in a popup window*.
6. Enter a name for the notification.
7. Press OK.

When the notification triggers, it will appear in the top right corner of the program.



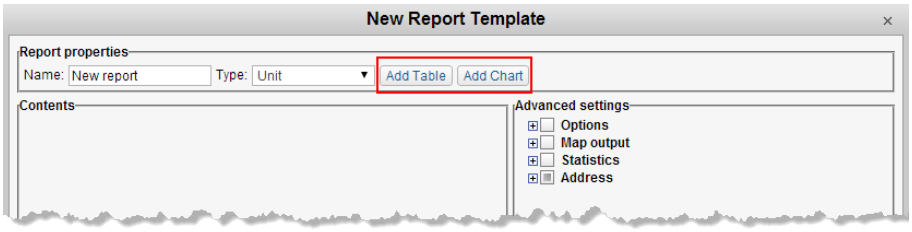
8. Reports

To switch to the Reports, click on the corresponding panel in the menu above the work area.

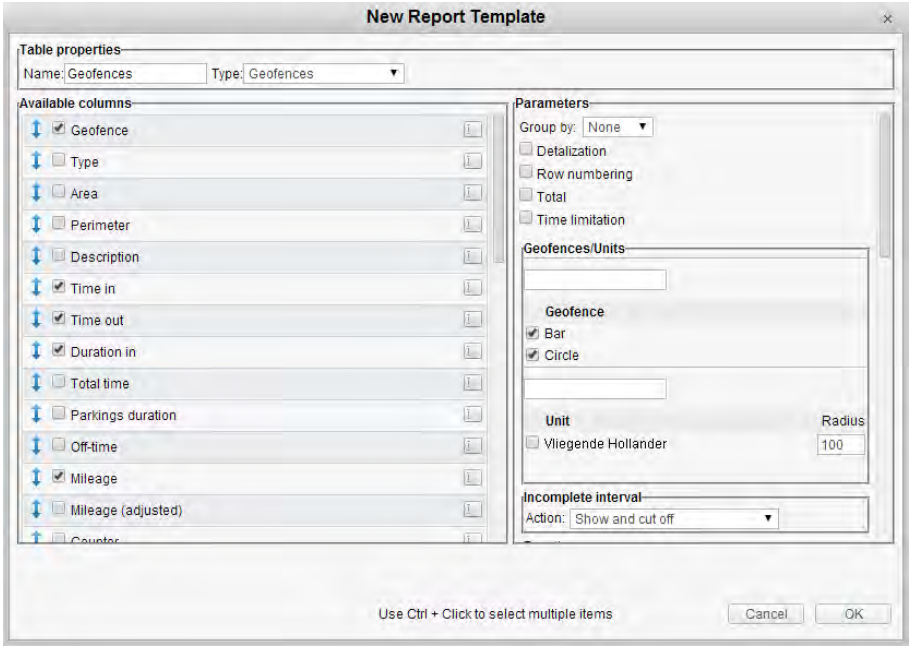


First of all, we need at least one report template to generate a report according to parameters set there. We are going to create a report template containing two tables (visits to geofences and speeding) and a chart.

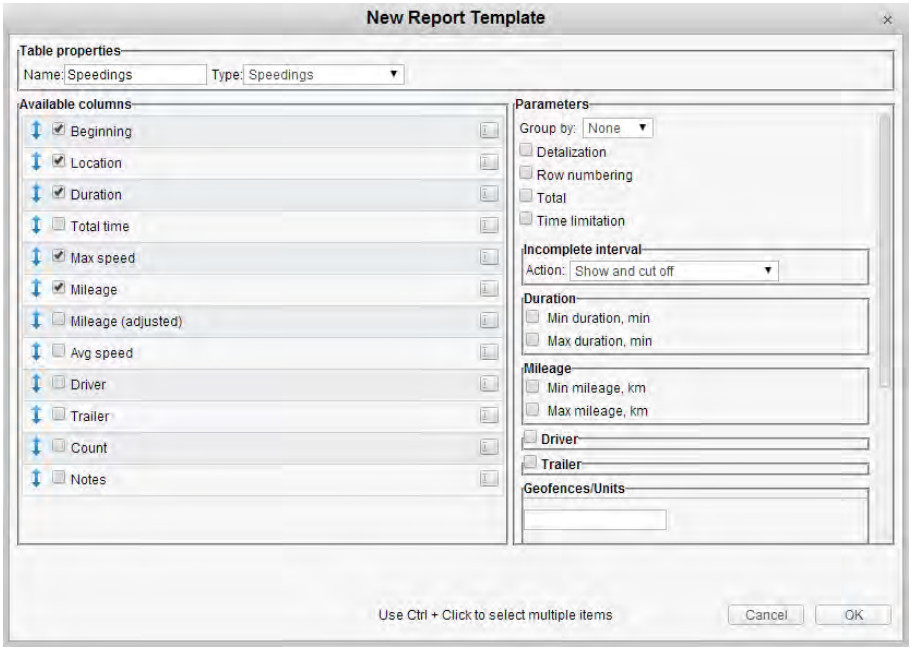
To create a report template, go to the Reports panel and press the *New* button. At the top of the template properties dialog, you see two important buttons – *Add Table* and *Add Chart*.



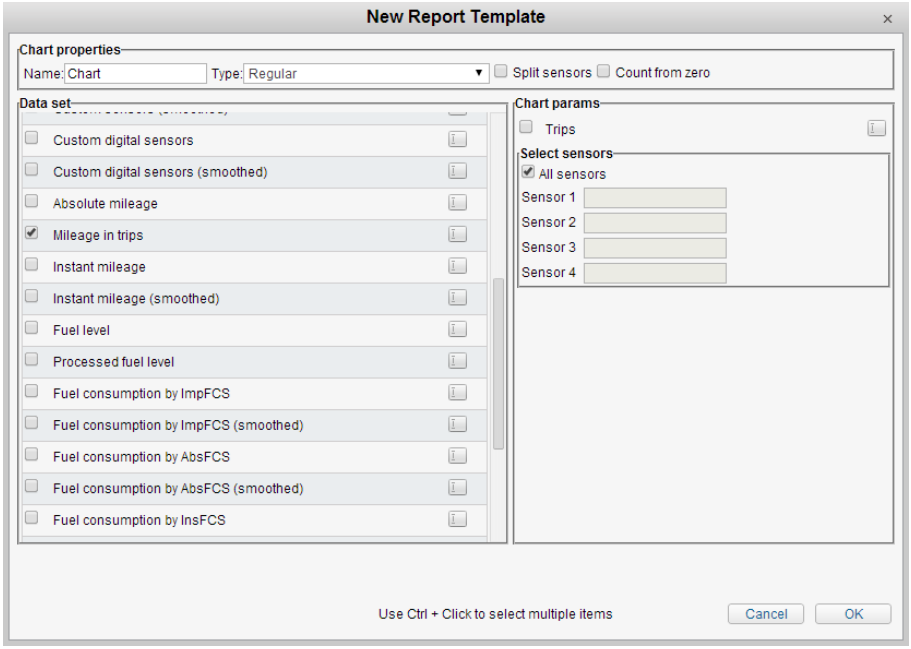
Press the *Add Table* button and set table type to *Geofences*. On the left, tick the columns to be displayed in the resulting report. On the right, choose geofence(s). When finished, press OK. The table will be added to the report.



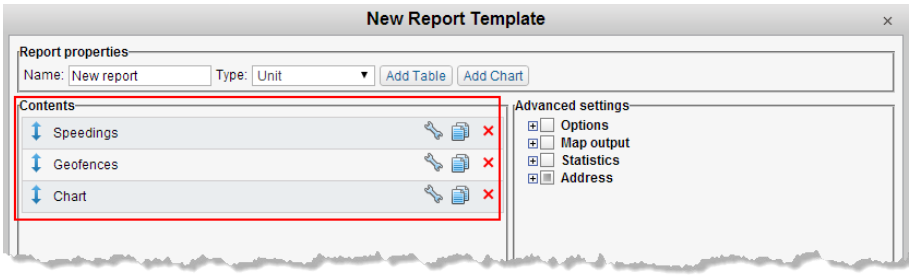
Then add the second table – press *Add Table* again and choose a table of *Speedings* type. For this table we have set the parameter *Speed limit* in unit properties (*Advanced* tab). In additional parameters indicate that a speeding should last at least one minute (*Min duration* parameter). Press OK. The table will be added to the report.



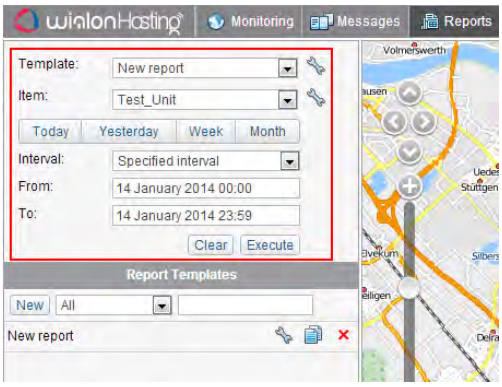
Then press the *Add Chart* button and select the necessary chart type (for example, mileage in trips). Note that for many charts to be generated the appropriate sensors are required. Press OK.



This is how our report template looks like after we have added two tables and a chart. Report contents are displayed on the left. Now give a name to the report and save it.



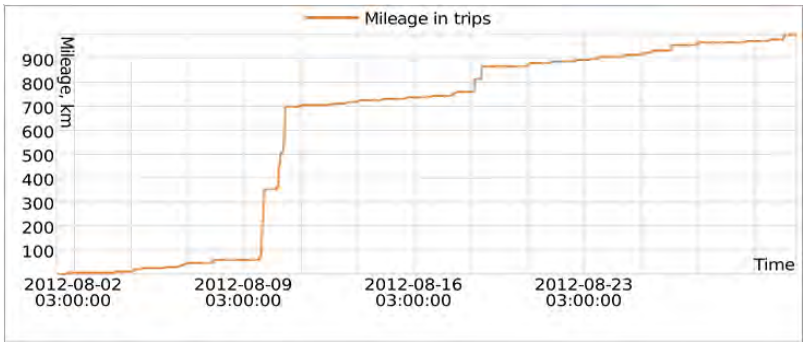
To obtain a report, set parameters in the work area: select report template, unit, reported interval, and press *Execute*.



Generated report will appear on the right. On the left, you see tabs to navigate between report sections (tables and charts). Besides, the report can be exported to various formats or printed (for this, use the proper buttons – *Export to File* and *Print*).

Geofence	Time in	Time out	Duration in	Mileage	Avg speed	Max speed
Geofence 1	2012-06-17 11:21:15	2012-06-17 11:22:43	0:01:28	1.55 km	63 km/h	12 km/h
Geofence 2	2012-06-17 11:26:34	2012-06-17 11:32:26	0:05:52	3.62 km	37 km/h	26 km/h
Geofence 1	2012-06-17 11:35:44	2012-06-17 11:37:56	0:02:12	1.57 km	43 km/h	25 km/h
Geofence 1	2012-06-17 11:52:14	2012-06-17 11:53:42	0:01:28	1.55 km	63 km/h	12 km/h
Geofence 2	2012-06-17 11:57:33	2012-06-17 12:03:25	0:05:52	3.62 km	37 km/h	26 km/h
Geofence 1	2012-06-17 12:06:43	2012-06-17 12:08:55	0:02:12	1.57 km	43 km/h	25 km/h
Geofence 1	2012-06-17 12:23:13	2012-06-17 12:24:41	0:01:28	1.55 km	63 km/h	12 km/h
Geofence 2	2012-06-17 12:28:32	2012-06-17 12:34:24	0:05:52	3.62 km	37 km/h	26 km/h
Geofence 1	2012-06-17 12:37:42	2012-06-17 12:39:54	0:02:12	1.57 km	43 km/h	25 km/h
Geofence 1	2012-06-17 12:54:12	2012-06-17 12:55:40	0:01:28	1.55 km	63 km/h	12 km/h
Geofence 2	2012-06-17 12:59:31	2012-06-17 13:05:23	0:05:52	3.62 km	37 km/h	26 km/h

Beginning	Location	Duration	Max speed	Mileage
2012-07-04 13:16:40	Autostrada Brescia-Padova, Madonna del Frassino	0:15:58	150 km/h	35 km
2012-07-04 13:34:42	Autostrada Piacenza-Brescia, Castello	0:18:20	156 km/h	42 km
2012-07-04 13:58:20	Autostrada Piacenza-Brescia, 3.66 km from Bottazzara	0:09:12	147 km/h	21 km
2012-07-04 14:09:34	Autostrada Piacenza-Brescia, Piacenza	0:03:46	148 km/h	8.65 km
2012-07-04 14:15:02	Autostrada Torino-Piacenza, Veratto	0:06:26	166 km/h	14.60 km
2012-07-04 14:24:58	Autostrada Torino-Piacenza, Casa dell'Olmo	0:04:56	146 km/h	11.79 km
2012-07-04 14:31:56	Autostrada Torino-Piacenza, 3.63 km from Case Nuove	0:02:28	143 km/h	5.23 km
2012-07-04 14:35:46	Autostrada Torino-Piacenza, Medassino	0:03:10	146 km/h	7.56 km
2012-07-04 15:17:36	Autostrada Milano-Genova, Tortona	0:01:52	146 km/h	4.23 km
2012-07-04 15:22:30	Diramazione Predosa-Bettole, Cascinotti di Villa	0:05:52	146 km/h	14.01 km
2012-07-04 15:29:54	Autostrada dei Trafori, 1.13 km from Predosa	0:04:00	149 km/h	8.81 km



User Interface

User interface of Wialon Hosting is simple and in many cases intuitive. There are plenty of screen tips and helpers associated with various buttons, icons, dialog boxes, edit fields, and other elements of the interface.

Generally, the following basic structural elements could be distinguished in the interface design:

- work area
- map
- top panel
- bottom panel
- log

There are also a lot of other different panels and windows which could be activated if necessary.

Notice.
To switch for the full-screen mode, press <F11> button. This feature is provided by the majority of browsers.

Further information:

- Login
- Top Panel
- Work Area
- Bottom Panel
- Map
- Log
- Shortcuts
- Calendar
- Filters and Masks
- Input Rules

Login

Enter service URL into the address line of your browser.

On the login page, type your **username** and **password** given to you while registering, choose interface **language**, and then press **Enter**.

If you are using a private computer, you can additionally put a check mark near **Remember on this computer**. In this case, the next time you enter the system you will not be asked to input your login and password again. The first thing you see when entered the system is the Monitoring panel.

Note.
If current time is displayed in red and in the middle of the screen you can see a warning message (“Unable to connect to the server. The page will be reloaded automatically when connection is restored”), then connection to the server has been lost for more than two minutes. It could be caused by Internet connection failure or some internal system problems. After connection is restored the message disappears automatically, and the system continues its work. In case of server connection loss for 5 minutes and more the session will be finished. However, upon server connection restoration, an automatic entrance to the login page takes place.

A quick login without entering (or even knowing) user name and password is possible, provided that there is an active session available. Then URL link should contain the *sid* parameter, e.g., http://wialonb3.gurtam.com/?**sid=3086417ea744b0dbb85202cebe3ff134**. Note that a login to the system through such a link can be successful only within one IP address. However, be careful giving away such links as while the session is alive anyone having this link can login to the system and perform different actions allowed to that user. To abort a session, just exit the system (press 'Logout').

New Password Receiving

If you have already registered in the system but forgot the password, please, follow **Forgot your password?** link. There you will be asked to enter your user name and e-mail address indicated during registration. Then push the **Reset password** button. A password reset link will be sent to you. Follow this link to get your new password.

If you have pressed *Forgot your password?* by accident, just ignore the e-mail with password reset link and use your former login and pass. If you still follow this link, you will have to accept the new password.

How to Change Your Password

The current password can be changed after authorization in the User Settings dialog. However, not all the users are allowed to do this. Contact your service administrator for additional information.

Login as Another User

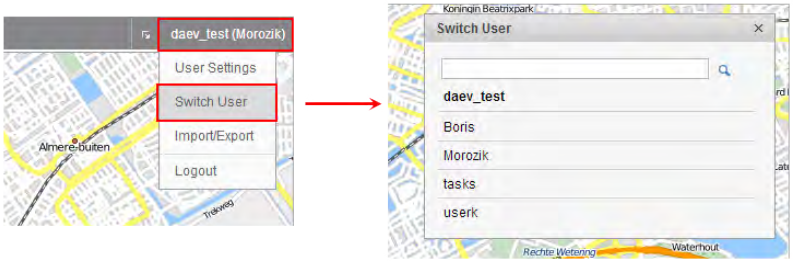
It is possible to login to the system as another user (either to the monitoring interface or to CMS Manager). To do so, you need to have 'Act as given user' flag in access rights for this particular user.

To login as another user, enter your user name and password, as usual, and then click on **Login as** caption and enter login name of a needed user.

When you are logged in as another user, you can see only items available to this user and perform actions allowed to this user. Herewith, login history is saved to this user.

You can switch to another user even after entering the system, however, in this case login will not be saved in the user's history. Go to the Users panel and you will find the 'Login as' button against each user. If you do not have enough access privileges, the button will be disabled.

After authorization as another user, the user name is written in brackets to the right of the main one (in the right corner of the Top panel). To switch back to the main user, click on the current user name, choose *Switch User* and in the appeared window select a main user (will be highlighted in bold). This window could be used to login as another user after authorization as well.

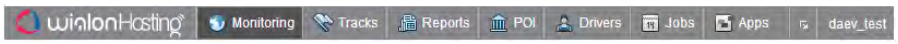


Top Panel

Table of Contents
- User Menu
- Information Notices

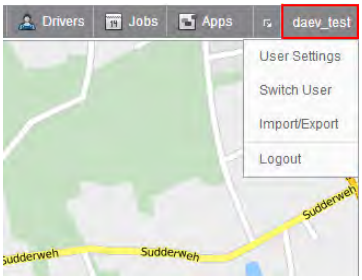
The logo of tracking services provider is situated in the left corner of the top panel and in the right corner you can see the setting menu button and user name under which you have logged in to the system.

The main menu of the program occupies the central part of the top panel. It could contain different elements depending on the settings applied and also on the modules provided.



User Menu

User login is displayed in the right corner of the top panel, under which an authorization has been made. Meanwhile, the other login could be specified in brackets if the main user logged in under the other user's name.



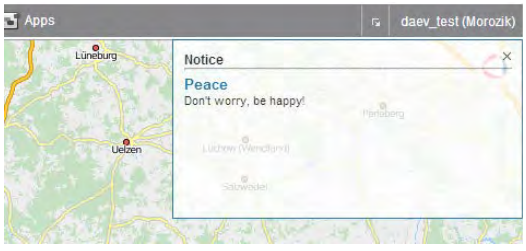
Clicking on the user's name an additional menu appears. It contains the following options:

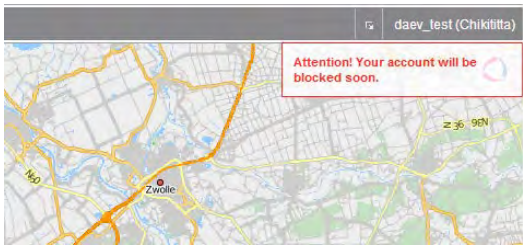
- **User settings**
  Opens the user settings dialog for viewing and/or editing.
- **Switch user**
  Enables to login as another user. Could be disabled.
- **Import/Export**
  Enables to transfer units' settings, users, resources' contents (refer to Import and Export).
- **Help**
  Help request. Could be unavailable.
- **Technical support**
  Technical support request. Could be unavailable.
- **Logout**
  Button to log out of the system (session termination).

'Help' and 'Technical support' are links to outside Internet resources containing either documentation or technical support. By default, they are disabled. To activate those options, contact Gurtam Help System and provide corresponding URL addresses.

Information Notices

Information notices from service manager could appear in the top panel under the user's name, as well as notices on the amount of days left before blocking the monitoring system (if stipulated by the tariff agreement).





Work Area

Work area, where different actions with various elements of the system take place and different requests to be composed, is situated in the left part of the screen.

Depending on the tag chosen in the top menu, one of the following panels could be opened in the work area:

- Monitoring — tracking units position, state and movements.
- Tracks — viewing movement history.
- Messages — viewing messages come from units.
- Reports — wide range of survey instruments and sorting of data received from a unit.
- POI — creating, editing, removing points of interest on the map.
- Geofences — creating, editing, removing geographical areas.
- Routes — creating and monitoring a unit's traffic route according to its schedule.
- Drivers — creating drivers and assigning them to units.
- Trailers — creating trailers and binding them to units.
- Jobs — creating, editing, removing jobs performed by schedule.
- Notifications — creating, editing and removing events' notifications.
- Users — managing other users.
- Units — managing available units.
- Unit Groups — grouping units according to the user's wish.

Top menu also could include two panels which are not shown in the work area. They have their separate windows. They are:

- Tools — tools for calculation distance and area, laying the best routes, searching for the nearest units, etc.
- Apps — applications enabling to tackle with various user's targets.

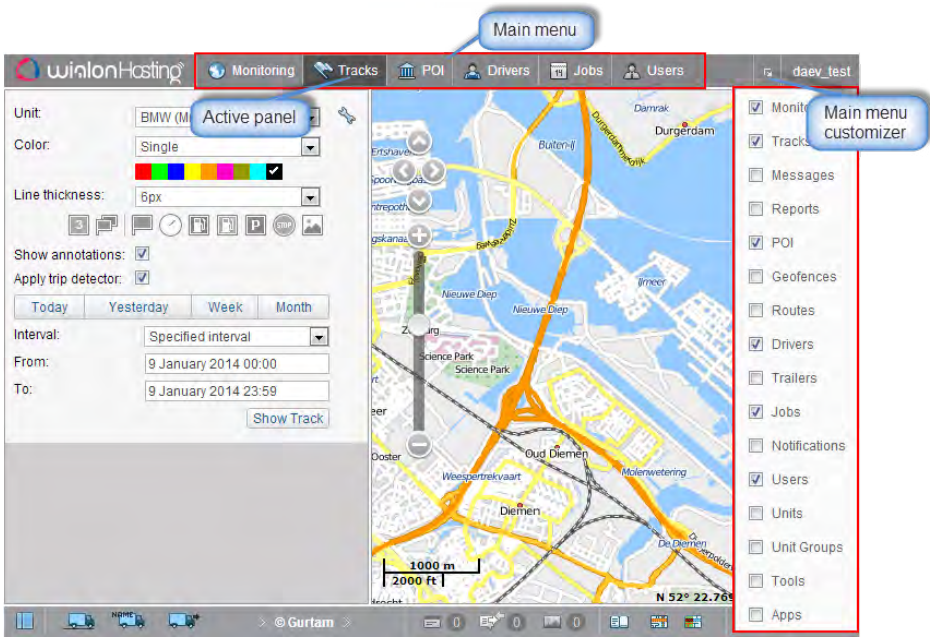
The width of the work area could be changed. To do this, please click on its right border and drag to the direction needed, holding the mouse button pressed. Moreover, work area could be hidden completely by pressing the button situated in the left bottom corner .

Main Menu Adjustment and Navigation

To adjust the main menu click on and select the menu items which you are going to work with. The chosen ones should immediately appear in the top menu.

A name of a panel currently opened in the work area has a darker ground. To navigate through the menu, you just need to click on the necessary name. Contents of the left panel (work area) will change automatically.

Keyboard shortcuts are used for faster navigation through the panels.



All the range of items chosen for the main menu is displayed at the top. The names of the panels will be shortened if there is a lack of space. That is why you should choose only those items which you are currently using.

Layers on the Map

The name of each panel is accompanied by the corresponding icon. It serves not only for a fast identification of the panel, but in some cases - as an indicator of the layer on the map (whether it is *on* or *off*).

Layers are relevant for many, but not for all panels. For example, in messages panel a unit's traffic track for a chosen period of time could be shown on the map, in monitoring panel - units' icons, showing their current location, etc. At the same time, in jobs and users panels there is nothing to be shown on the map.

Any of these layers could be switched on/off randomly. Panel's icon is used as a switch. If it's highlighted in color, then the layer is switched on; if it's black-and-white, then the layer is switched off or this particular panel could not have any layer on the map.

After adding any panel to the menu, the icon of the panel is activated automatically. Remove a panel from the main menu and its layer is automatically removed from the map.

Alternative Means of Navigation

If size of a browser window is not large, but there are a lot of panels selected, inscriptions could possibly be not visible, and menu panels would be presented just with icons. In such cases clicking on the icon mostly leads to switching on/off the layer on the map. Therefore, in such cases to switch the panels you should additionally hold <Ctrl> on the keyboard.

Another means of navigation is through the menu settings window. Clicking on the name of any clause in settings window, transition to the corresponding panel occurs. In such case, if it were not displayed in menu, it would show up. Also, don't forget, that the layer will be activated automatically after panel's selection in menu settings window.

The same occurs in case of “forced” transitions between panels, for example, during report request out of monitoring panel or during transition *from reports* to *messages*. Even if requested panel is not displayed in main menu, a transition takes place successfully. In this case the corresponding clause is added to the menu and the layer becomes active.

Bottom Panel

At the left end of the bottom panel you see three buttons to manage unit display mode as well as SMS button:

— hide/show work area;
— hide/show unit traces;
— hide/show unit names;
— hide/show unit movement direction (course) arrows (see Unit Presentation on Map for details)

In the right corner of the bottom panel the following buttons are situated:

— hide/show online notifications window;
— hide/show messages from drivers or SMS;
— hide/show pictures from units;
— hide/show minimap;
— hide/show log.

Current time and time zone shown in brakets (which could be changed in user settings) are displayed in the right bottom corner.

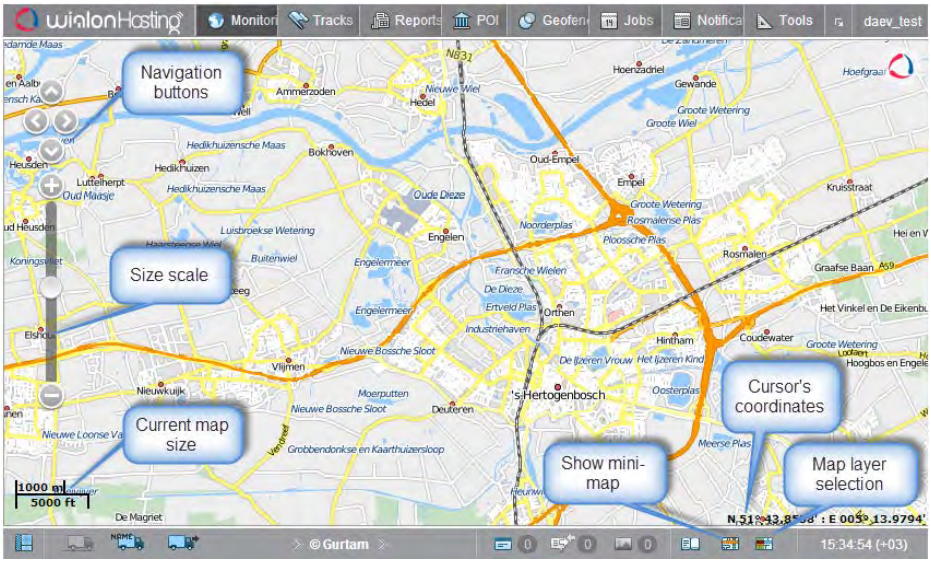
Your copyright with the hyperlink to our web-site could be situated in the middle of the bottom panel.

Map

The map is available regardless of which panel is activated. Usually, it occupies the most of the screen. Units and their traces, POI, geofences and other elements can be displayed on the map.

Map size can be adjusted in relation to work area and log. To do so, drag map scale slider, which is situated in the middle left part of the map, up or down.

To maximize the map size as much as possible, you can hide the work area and the log completely (and buttons) and switch to the full-screen mode by pressing <F11> that is supported by most of browsers.



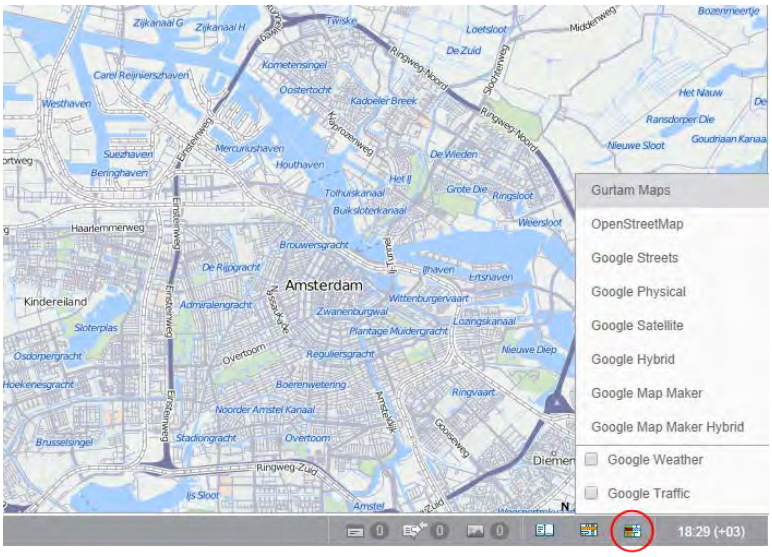
Using the Map While Working with Different Panels

The map is common for all panels. It means that while switching the panels, zoom and coordinates of the map center remain the same. Graphic elements such as track lines, markers, POIs, geofences, units' icons stay on their places as well. Therefore, for example, if you've made a report showing parking locations on the map, and then switched to the *tracks* panel to create tracks for unit's movement (even if this is an absolutely different unit), all the graphical elements, lines, markers, etc. still will be shown on the map, until you delete them or switch them off.

A lot of panels could have their layers on the map, such as: “Monitoring”, “Tracks”, “Messages”, “Reports”, “POI”, “Geofences” “Routes”, “Drivers” and “Trails”. Graphical elements plot on the map in any panel, can be easily switched on/off. Displaying or hiding one or another layer is adjusted for every layer individually - using special switch-button, situated in front of the panel's name in top menu. More...

Map Source

To change a map source, click button in the bottom panel. Map choosing menu is conditionally divided into two sections, top and bottom one. Top section contains main map layers, i.e., map sources. Bottom section contains additional or, in other words, informational layers which overlay the main ones (traffic, weather, etc.). Choose another map from the list and the map area already displayed on your screen will be reloaded from the other source. It is applicable to the main map as well as to the mini-map.



To activate more maps, go to User Settings. There, as well, you can save current position of the map for the further system logins. If you don't have an option for enabling some particular kinds of maps, please, contact your tracking system administrator.

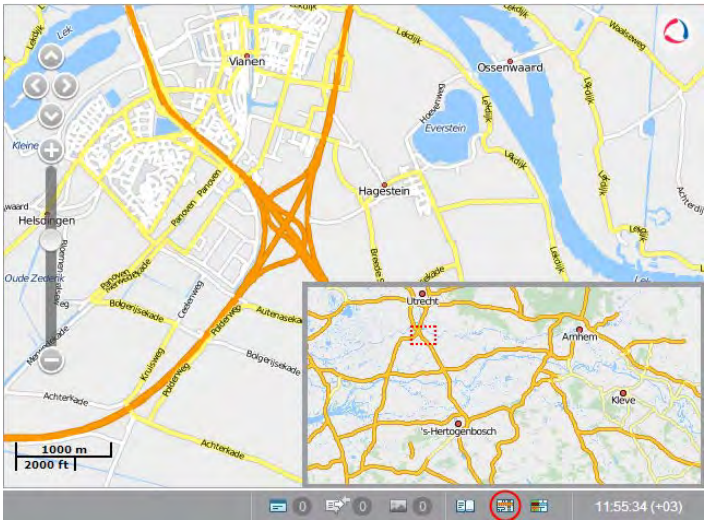
If additional map layers are available, then they can be displayed on the main ones. In other words, all the maps can display the information on road traffic or weather condition. To enable it, you should select the corresponding flag in the section of additional layers in the map choosing menu ('Google Weather', 'Google Traffic', 'Yandex Traffic').

Attention.
A map, chosen in this menu influences only the displayed (graphical) map layer. Geocoding (address definition, etc.) is implemented mainly in Gurtam Maps.

Map Navigation

There are three basic ways to navigate through the map (or, more precisely, for moving a map on the screen).

1. **Using corresponding buttons**
   There are four arrow-like buttons in the left top corner of the map for moving it up, down, right and left, correspondingly.
2. **Using a mouse**
   Click with the left mouse button on any place of the map and holding it drag to the side needed.
3. **Using minimap panel**
   To open this panel, press the button in the bottom panel. Mini-map, comparing to the above mentioned methods, ensures faster moving on the map. You may click with the left mouse button for a faster moving on the map. Besides for the navigation mode, a mini-map has a unit tracking mode.



Zooming the Map

Map zooming can also be implemented in several ways:

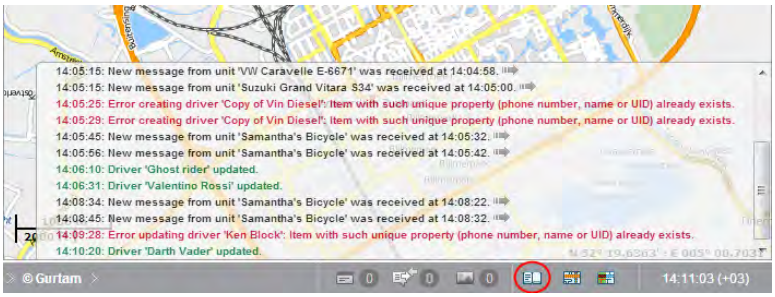
1. **Using scale on the map**
   Zooming scale is situated in the top right corner of the map under navigation buttons. The scale allows to zoom in (+) or zoom out (-). At the same time, the center of the map is staying stable. You can press ”+” and ”-” buttons to change zoom in step by step mode, or click on any place on the gradation scale.
2. **Using mouse scroll wheel**
   It is even more convenient to adjust zoom level using mouse scroll wheel. Scroll up corresponds to zoom in, scroll down — to zoom out. During the scrolling action, point a mouse cursor on the place needed so that it would not get out of sight.
3. **Using mouse and <shift> button**
   To zoom in the chosen area, hold <shift> button and select some area of the map with the left mouse button, the map will be zoomed within this area.
4. **Using double-click**
   Double-click on any place of the map to zoom it in.

In the left bottom corner of the map the current scale of the map is indicated. Right bottom corner shows us geographical coordinates, mouse cursor is pointed on. Coordinates' format can be either degrees or degrees and minutes. It can be selected in User Settings => Maps.

Log

Log is an interface element, enabling to look through records of current operations, such as: new message/SMS receiving, unit configuration changing, etc. The log contains messages from units in the work list. Depending on quantity of units and equipment configuration, the messages in the log can be received even every second.

Show/hide log button is situated on the bottom panel. A size of the log could be adjusted. Pointing on the upper border of the log a cursor changes its shape to a vertical double arrow. It means that by clicking on this border and dragging it up or down you can change the size of the log. The log window is semitransparent, this allows map and units to be always visible under the log.



If an event registered in the log happens in a certain place (for example, a new location of a unit is detected), you can move to this place on the map clicking on the black arrow at the end of the entry .

The log uses fonts of different colors in order to separate different type of entries from each other. The black color is used for registering unit's state, changing of its location, receiving new SMS messages from units and etc. The green indicates user's activity: creation and editing of places, POIs, geofences, user settings changes, etc. Red color is used to display error messages and alarm messages from units.

Shortcuts

Keyboard shortcuts ensure more convenient and quick means to navigate through the system. This feature is activated in User Settings.

Shortcuts for panels navigation:

- **M** — Monitoring;
- **T** — Tracks;
- **E** — Messages;
- **R** — Reports;
- **P** — POI;
- **G** — Geofences;
- **O** — Routes;
- **D** — Drivers;
- **I** — Trailers.
- **J** — Jobs;
- **N** — Notifications;
- **U** — Users;
- **Y** — Units;
- **Z** — Unit groups.

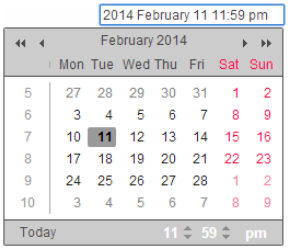
Shortcuts for tools activation:

- **1** — Track Player;
- **2** — Distance;
- **3** — Area;
- **4** — Address;
- **5** — Routing;
- **6** — Hittest;
- **7** — Nearest units;
- **8** — SMS.

Other shortcuts:

- **A** — Apps;
- **S** — User Settings;
- **~** — show/hide Left Panel;
- **L** — show/hide Log.

Calendar



The calendar is used in many cases: specifying time intervals to generate reports, indicating date and time in notifications, jobs, routs, etc.

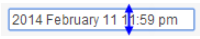
The calendar date includes year, month (word) and day. Date mask chosen in a current user settings dialog influences only the arrangement order of a year, month and day. The earliest possible date is the 1st January 1971.

Concerning time, its format corresponds to the mask chosen in the user settings dialog. The only exception is that regardless of the mask chosen, seconds are not displayed in the calendar.

There are several methods to handle the calendar and quickly set up a desired date and time: manual input, clicking buttons, using mouse scroll, etc.

Method 1.

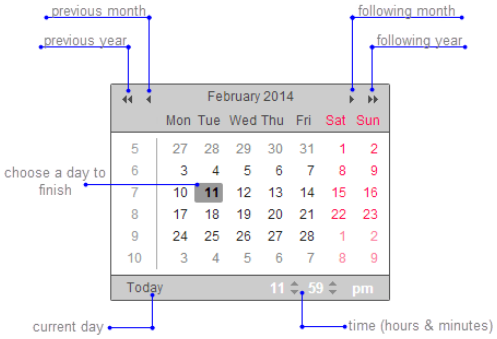
Date and time can be adjusted without opening the calendar itself – in the text field above it. You can input numbers straight from the keyboard or use the mouse scroll. Place the cursor over time element you want to alter and scroll up (increase value) or down (decrease value).



Method 2.

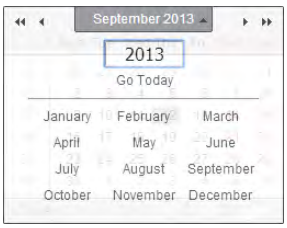
If you open the calendar, you can adjust date and time clicking on the appropriate buttons: on the top of the calendar – single arrows for months, double arrows for years; on the bottom – arrows for hours and minutes. To change these values you can either click on these buttons or use the mouse scroll. Besides, time can be time on the keyboard.

To finish with date/time selection, choose a day in the central part of the calendar. Only then your adjustments will be applied and the calendar will close.



Method 3.

Today's date can be set with one click. Open the calendar and press the *Today* button. This action affects year, month and day but not exact time.



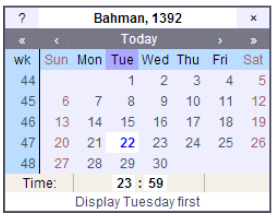
Method 4.

Click on month and year area in the top of the calendar. Year field will appear below. Enter a year using keyboard, click on a month below and then select a day.

The Persian Calendar

There was the usual Gregorian calendar. However, Wialon works also with the Iranian calendar also known as Persian solar calendar. It is used in Iran and Afghanistan.

The Persian calendar can be activated in User Settings. At that, if Arabic is selected as interface language, the calendar will be in Farsi (language spoken in Iran) and shown from right to left. Otherwise, it will be in English (in Latin characters and Arabic numbers) and shown from left to right.



In this calendar, you can adjust year, month, day and time, set the today's day with one click, etc. Click the question sign on the top to invoke the help window with detailed information. To close the calendar, click on a cross. Besides, you can drag the calendar to any place of the screen.