wialonlocal 2304

NEW FEATURES AND UPGRADES

wialon | developed by Gurtam

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If you want to install **Wialon Local 2304** or upgrade the current version of the system, please contact your Partner Success Manager or write to **sales@gurtam.com**.

Administration system

System administrator tools

AMAZON WEB SERVICES

Earlier, Wialon Local could be installed only on physical servers. Local 2304 became the first version of the system that can also be installed on Amazon Web Services (AWS) cloud servers. It gives the opportunity to use the solution without additional costs for the purchase and maintenance of server hardware.

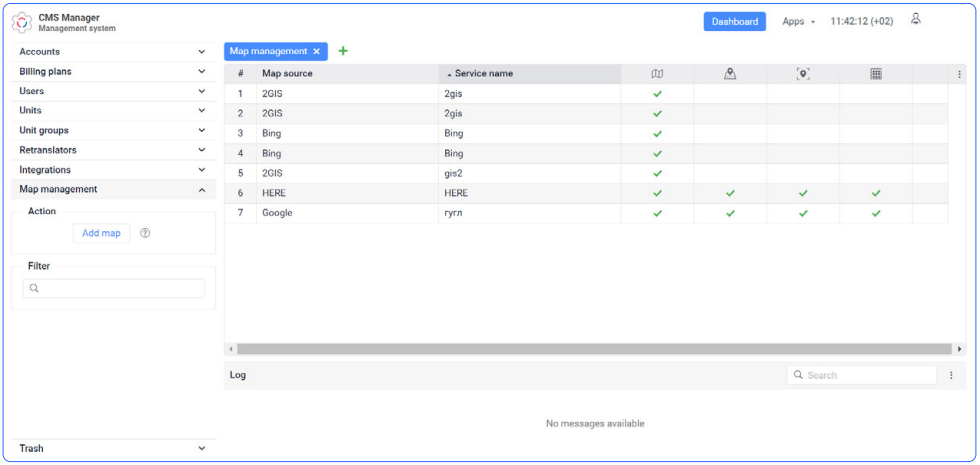
Management system

Wialon partner tools

MAP MANAGEMENT

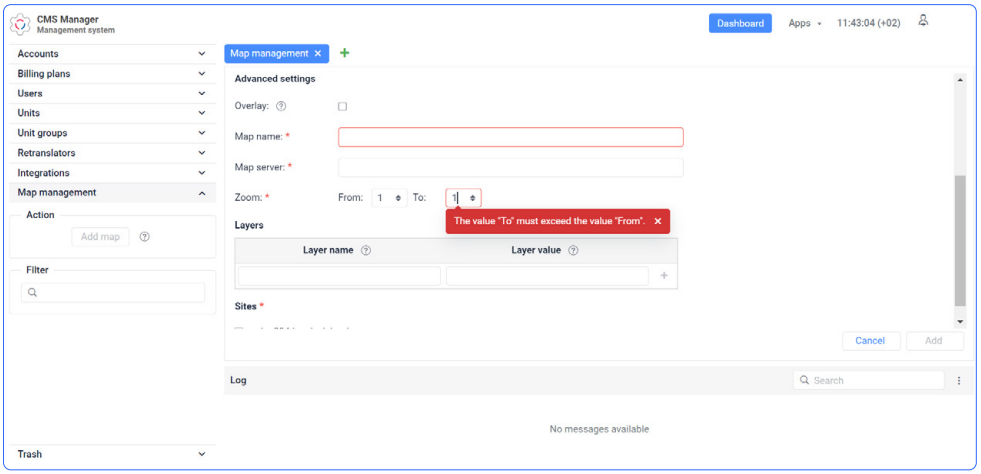
MAP SERVICE PROVIDER INTEGRATION AND CONFIGURATION

The functionality for the map service provider integration and configuration has been moved from the administration system to CMS Manager. Having the necessary tools for working with maps always at hand, managers will be able to use them more efficiently.



VALIDATION AND HINTS FOR INPUT FIELDS WHEN WORKING WITH MAPS

A new validation logic has been developed for input fields. Now, the unified hints appear when invalid values are entered into the fields. In CMS, these changes were applied to the Map management section forms, which are displayed when you click on the Add map button or edit already added maps by clicking on a row in the table. This allows you to fill in all the fields correctly and submit the form faster.



TRASH

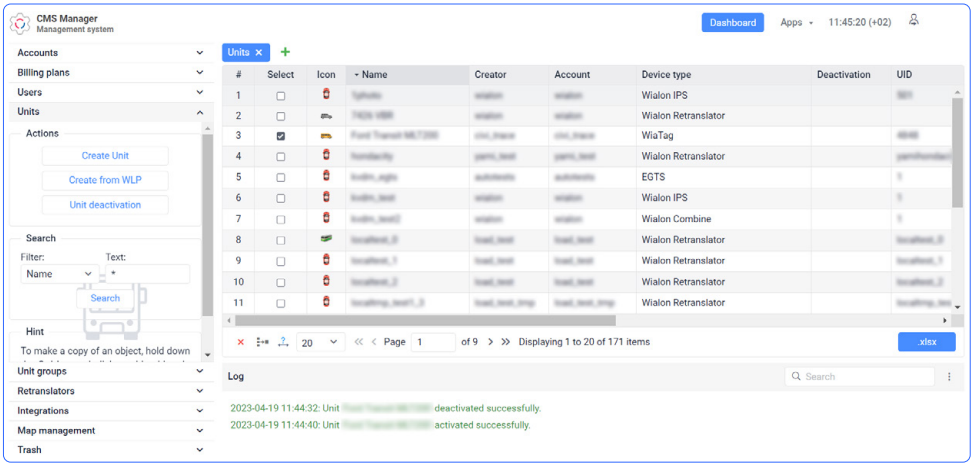
CREATOR

A new *Creator* column that displays the user listed as the creator of the item has appeared in the deleted items table in the Trash section. Thanks to this, the partner can see who deleted the item in the system for a specified period, and take action.

LOG

(DE)ACTIVATED UNITS

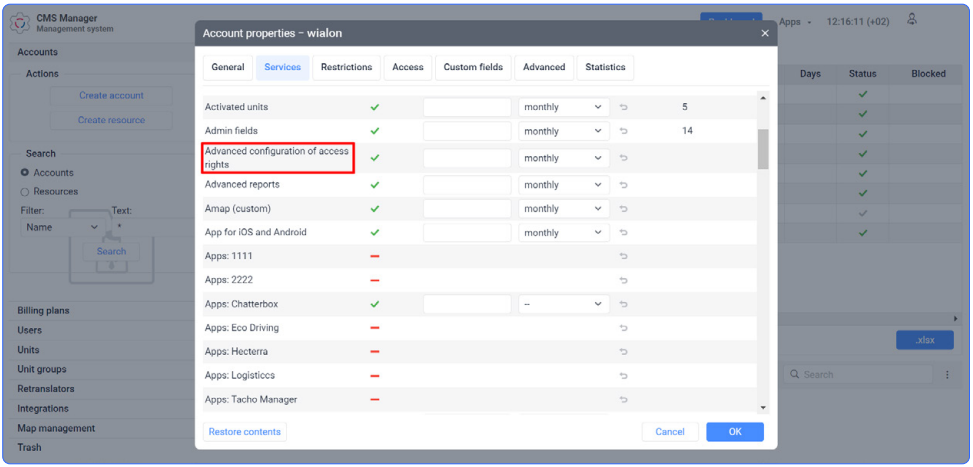
Now users have the ability to quickly check in the CMS log what units were interacted with. In particular, in the new line you can see the names of units that have been activated or deactivated.



ACCESS RIGHTS

ADVANCED CONFIGURATION OF ACCESS RIGHTS

An *Advanced configuration of access rights* service has been added to the new version of Wialon Local, which allows you to look at the full list of access rights in the units properties, unit groups, account and user properties. If the service is disabled, then the users can see only access rights templates without a table with detailed settings.



SECURITY

NEW PASSWORD POLICY

In order to improve data security, we implemented new password requirements based on global standards for user passwords. The new password must contain at least 8 characters, at least 1 special character, uppercase and lowercase letters, and must not completely match the username and the old password. In addition, the ability to view entered passwords in forms where you can create or change a user password has been added.

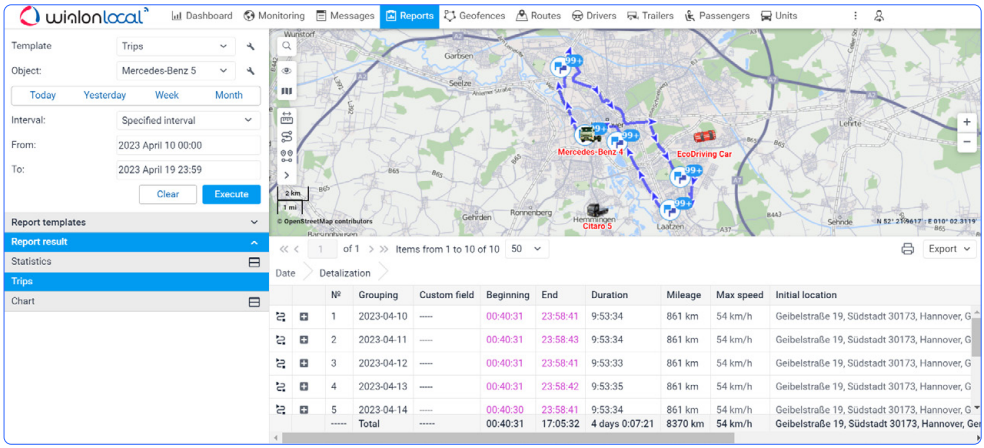
Monitoring system

User tools

DESIGN

NEW COLOR SCHEME

A new Material Design color palette made the interface more aesthetically pleasing to use.



TYPOGRAPHY

To display more important information on the screen and maintain the readability, consistency and accessibility of interface elements, we updated the font from Arial to Roboto and increased the font size.

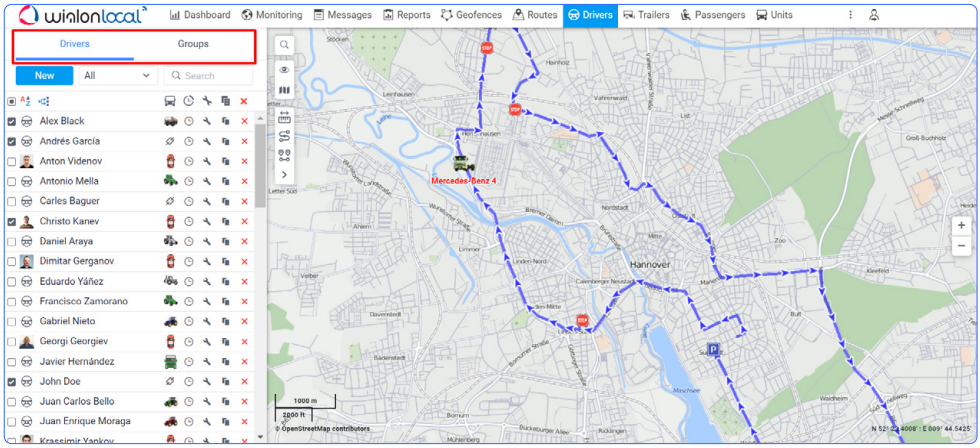
ROUNDING ELEMENTS AND INCREASING INDENT

We rounded buttons, pop-ups, and fields and increased the space between some elements. Now the interface is more appealing and easier to perceive.

REDESIGN OF SEVERAL ELEMENTS

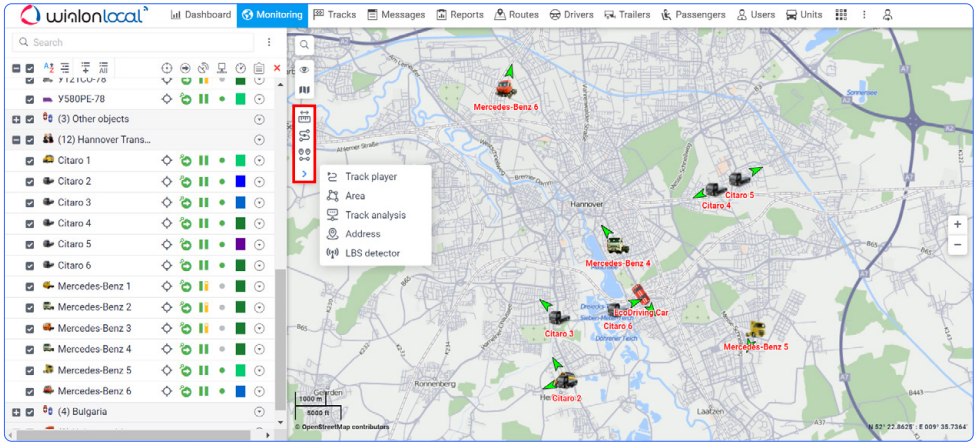
- Tab switcher has been changed in the unit properties window.
- In Units, Drivers, Trailers, Passengers and Geofences tabs, the buttons' design for switching between single elements and groups has been updated — buttons turned into tabs.

Thus, working with panels has been unified in all tabs.



TOOLS ON THE MAP

Wialon has a number of tools for working with the map. Previously, they were on the top bar and were not so well seen. Therefore, in the new version of Wialon Local, the map tools have been moved to the map itself to make the interaction with them more convenient.

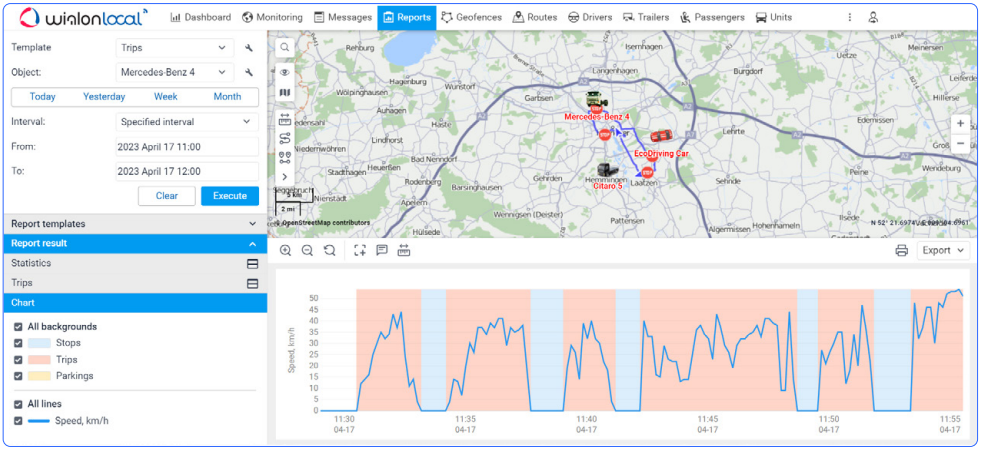


CHARTS

Changes that apply both to the Messages tab and the Reports tab

NEW DESIGN

The interface has considerably changed, with current icons redesigned and new ones added. Now you have new and more user-friendly ways to zoom in/out of a certain area in a chart, compare data, see more information about points in it or save a chart as a PNG file. A freshly added cursor line helps better navigate data sets.

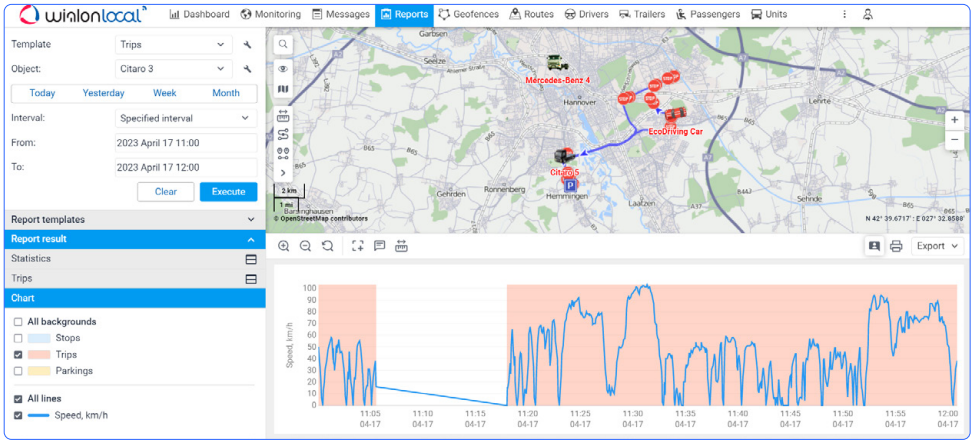


UPDATED POINT TRACING

Once you hover the mouse cursor over the chart, you get data for all the lines of the displayed chart by default. Thus, the feature allows you to easily compare the values for different lines when necessary. If the cursor touches a line, the line gets visually highlighted.

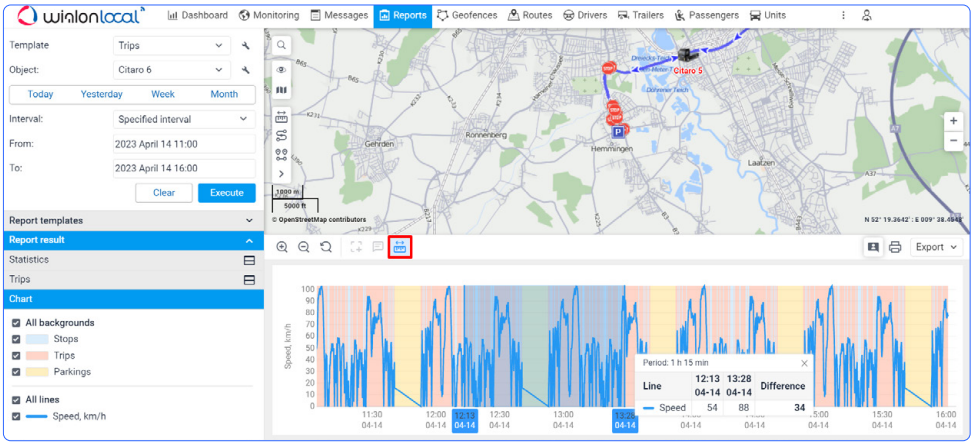
FLEXIBLE WORK WITH THE LEGEND

To customize the legend to your liking, you can hide lines and backgrounds one element at a time, or all with one click, or all but one.



COMPARE DATA OPTION (A RULER ICON)

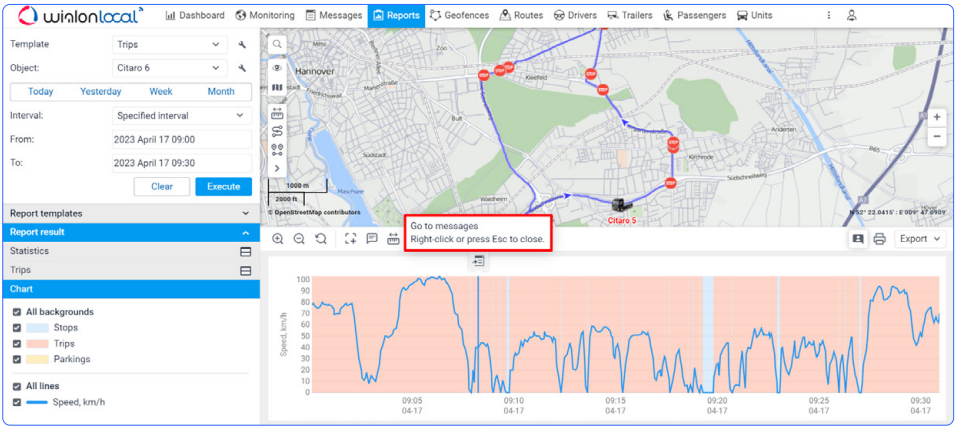
To compare two points on the chart, for example, along the X-axis, just click on the ruler icon, mark the points and get a window containing the initial and final values (data for those marked points), as well as the difference between them and the duration of the selected period. You can also correct the selected area after specifying the second point.



Relevant only for the Reports tab

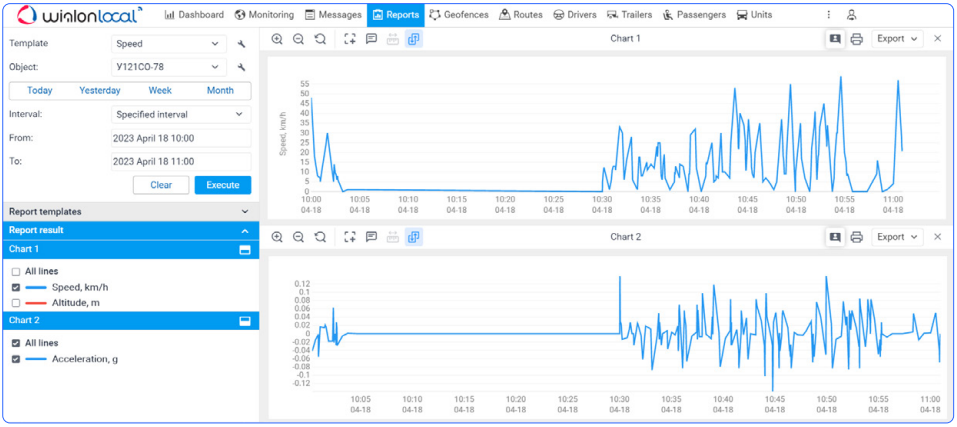
NEW WAY OF SWITCHING FROM A REPORT TO THE MESSAGES TAB

Previously, there was a separate icon on the toolbar to switch to the other tab. In the new version of Wialon Local, a special icon appears right on the workspace. Once you click on it, you go directly to the Messages tab — as simple as that.



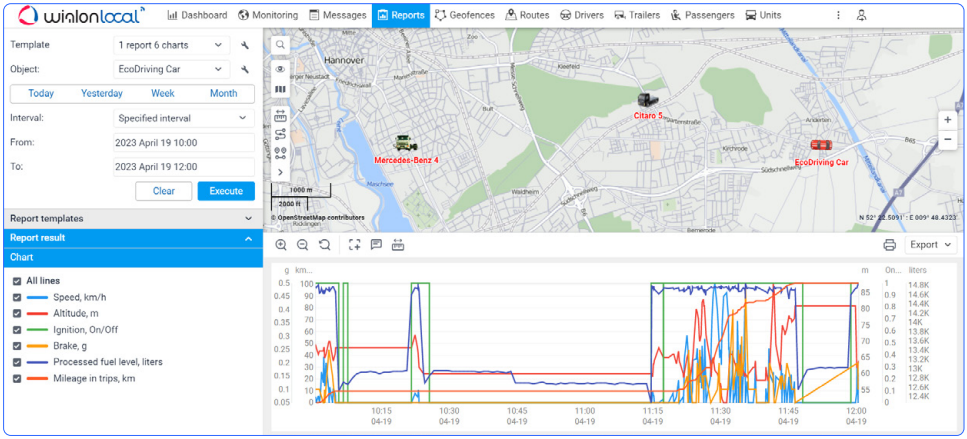
SIMULTANEOUS SCALING OF CHARTS IN TWO WINDOWS

The *Show as second window option* has become more visible. It has also become easier to work with two charts at the same time — arrange them in the most convenient way, as well as swap them and compare presented data. The tool for linking two charts has also been improved. Now for synchronous work you just need to press the Zoom charts simultaneously button. In this case, any changes in the scale along the X-axis will occur simultaneously in two windows. So finding interdependencies between data and the causes of an event will no longer be difficult.



UP TO SIX DIFFERENT DATA TYPES IN A REPORT TEMPLATE

Formerly, there was a maximum of two axes. A killer feature of the update is increasing this number up to six. Now you can compare more types of data in a single chart, find patterns and draw conclusions.



ROUTING

UX/UI UPGRADE

We have fully revisited the Routing UX/UI. The current tool is more intuitive to use. For example, we have simplified the process of adding new points and deleting them, as well as rearranging their order.

INTEGRATION OF FOUR NEW MAP SERVICE PROVIDERS

The addition of new Trimble, TomTom, Here and Sygic maps significantly expands the functionality of the Routing and allows you to work with a large number of tools for different types of transport.

VISIBILITY IMPROVEMENT OF ROUTES ON THE MAP

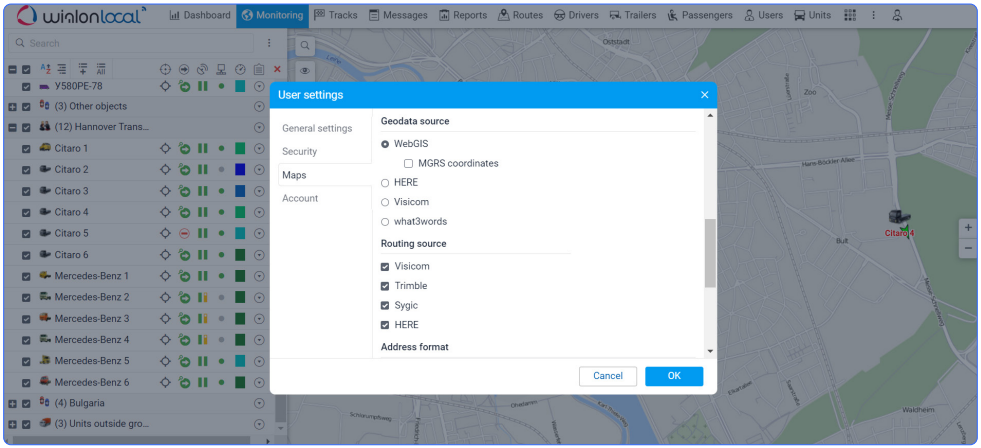
The rendering of the main and alternative routes has been worked out. They have become better distinguishable on different maps.

THE REGION PARAMETER FOR GOOGLE MAPS

The region parameter for Google maps displays properly in Wialon Local. This means that addresses obtained from Google maps have become more accurate.

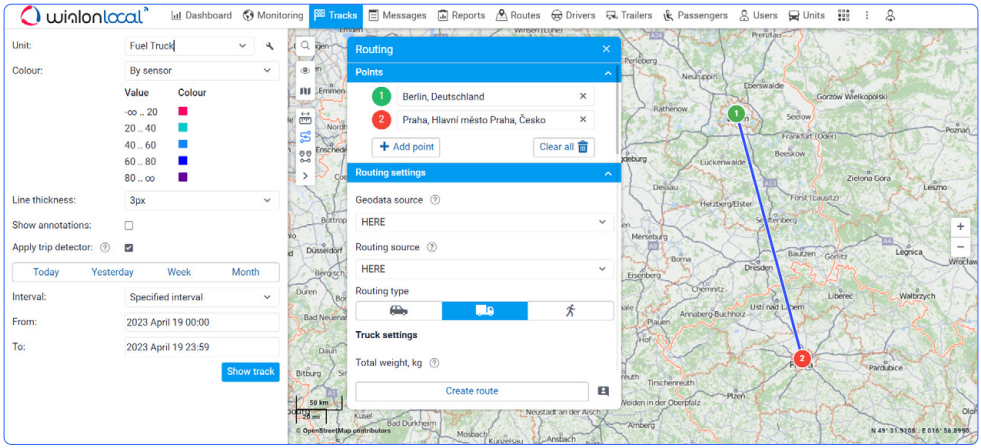
NEW ROUTING SOURCE SETTINGS

The Routing source settings are available in the Maps section of the user settings. They can be used to select one or more map sources when creating a route.



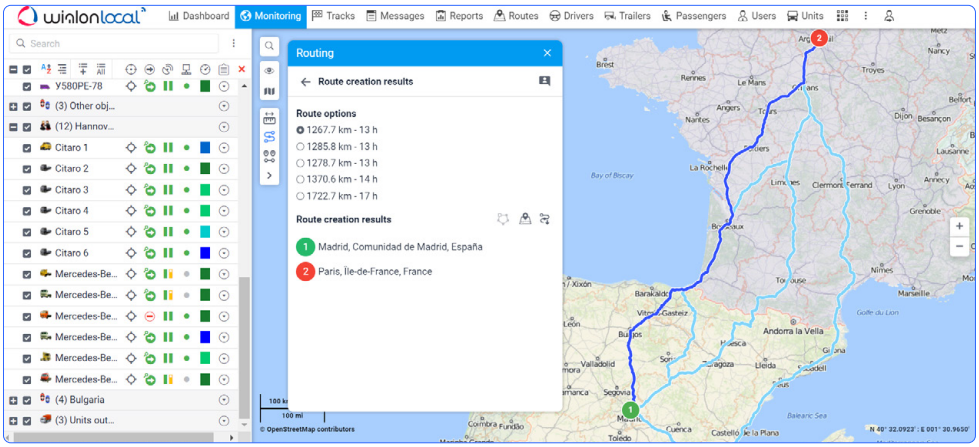
CREATING ROUTES FOR FREIGHT TRANSPORT

Now you can create a route not only for a car, bicycle or pedestrian, but also for freight transport. Such routes take into account the characteristics of the truck (dimensions, weight, trailers, etc.), as well as restrictions on certain sections of the road for the movement of trucks of various types.



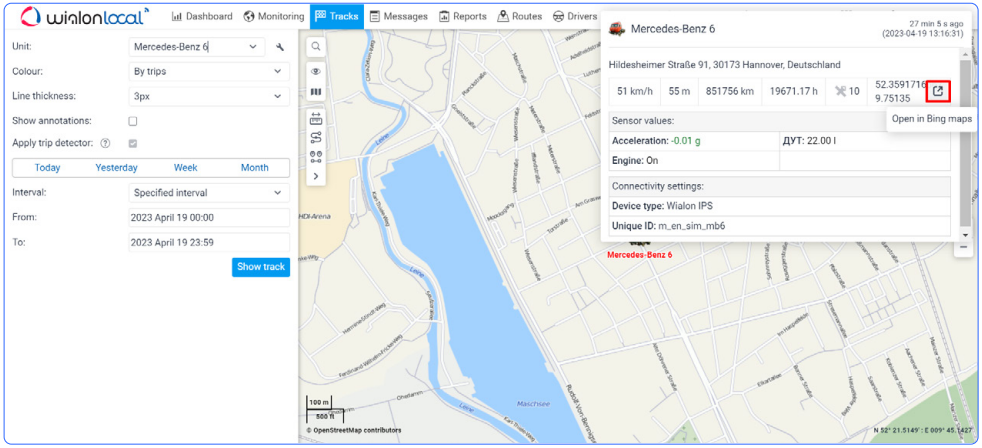
ALTERNATIVE ROUTES

When creating a route, the system offers several alternative options so that the dispatcher can choose the most suitable one for the selected type of vehicle.



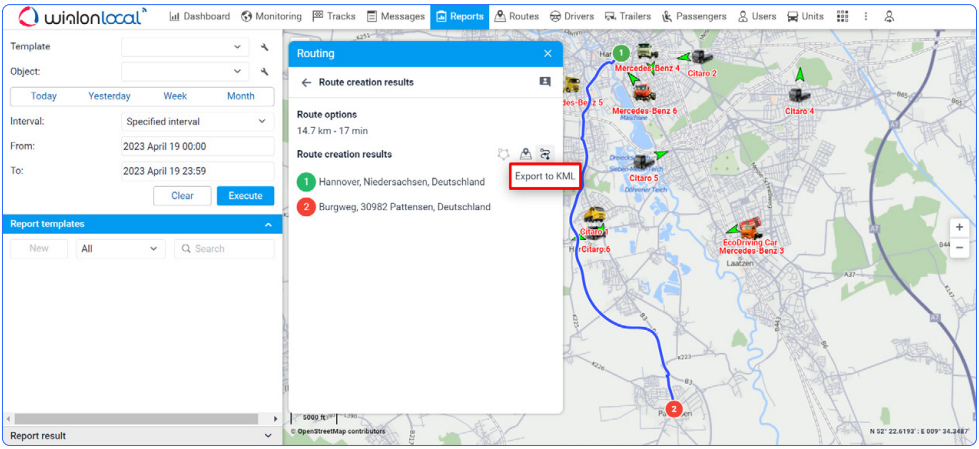
CLICKABLE COORDINATES

In order to get to the map service provider's page and create a route there, just click on the coordinates in the unit tooltip, in the extended information window about the unit, when tracing a track, or in the point tooltip when tracing a chart on the Messages and Reports tabs.



EXPORT ROUTE TO KML

Now you can export the route to KML. The corresponding icon is on the Route creation results tab. Thanks to this, the user got the opportunity to open created routes in third-party maps and navigators and work with them.



MESSAGES

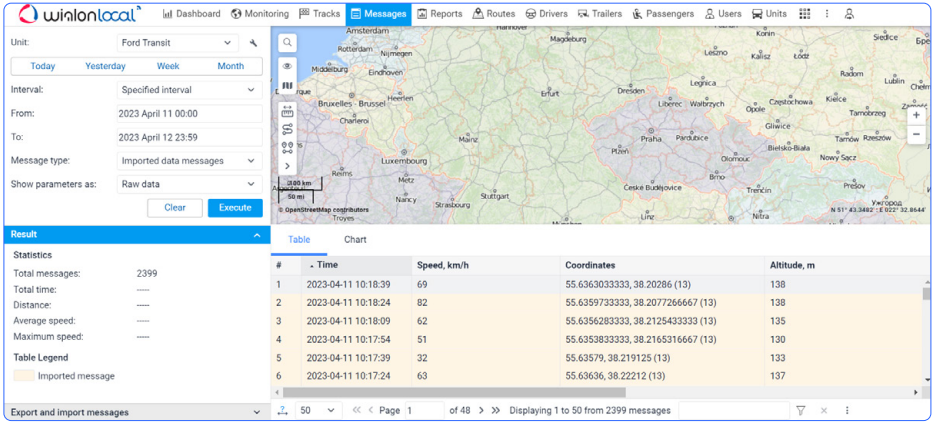
NANOSECONDS

The system now works correctly with the devices and sensors connected to them that send messages more often than once per 1 second. This implies that if 2 or more messages are received in 1 second, they will be processed and displayed chronologically, not randomly, as it was before.

The new operating principle of the system allows, for example, the dispatcher to get the correct sequence of messages when assigning/removing drivers, even if these messages were received within 1 second, or the fleet owner to analyze the exact chronology of the accident in order to understand how it happened and what preceded it.

IMPORTED DATA MESSAGES

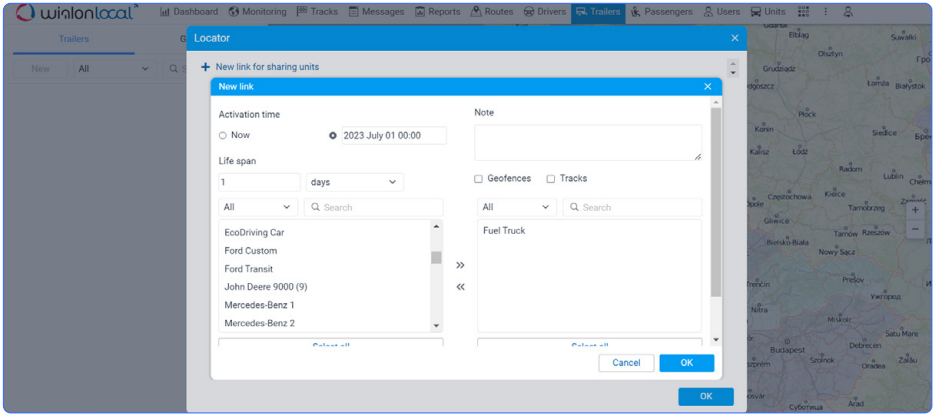
A new message type has been added — imported data messages. When requesting for imported data messages, the table shows only those messages that have been imported into the message history. In the table of imported data messages, all rows are highlighted in light yellow with dashes in the *Time* column. The new feature also gives you the opportunity to quickly remove all mistakenly imported data messages by selecting them with one click.



LOCATOR

TIMER

Locator allows you to generate links and share the current vehicle location. Now, when you send a link that will start working in the future, a timer will show when the link will become active. Thus, the client will know that everything is ok and the link is working.



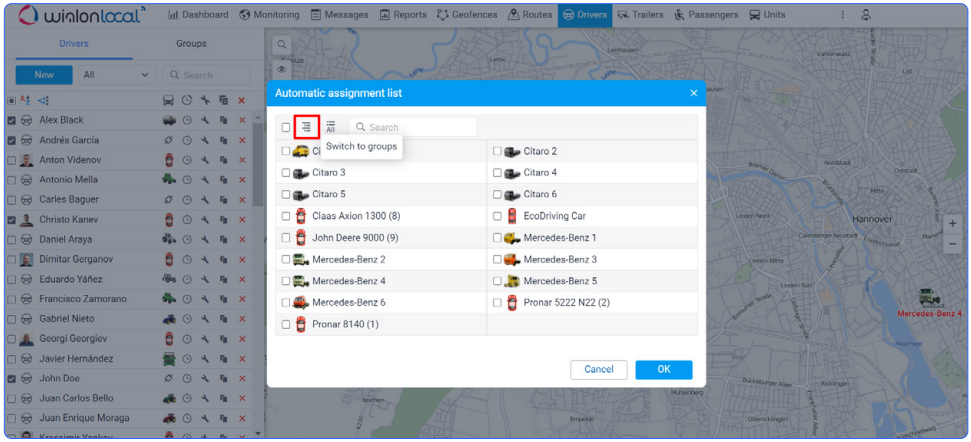
CREATE UNLIMITED LOCATOR LINK VIA NOTIFICATION

In addition to the manual method, you can also create a Locator link with unlimited expiration time via notification by entering 0 in the notification tag. If you enter an invalid value, the link will be set to 60 minutes by default.

DRIVERS/TRAILERS/PASSENGERS

UNIT GROUPS IN THE AUTOMATIC ASSIGNMENT LIST

You can create a list for auto-assignment of drivers, trailers and passengers from unit groups. Thus, when creating a unit, you can add it to a group and quickly implement this unit in the scheme of work, if unit groups are used to configure the system.



UNITS

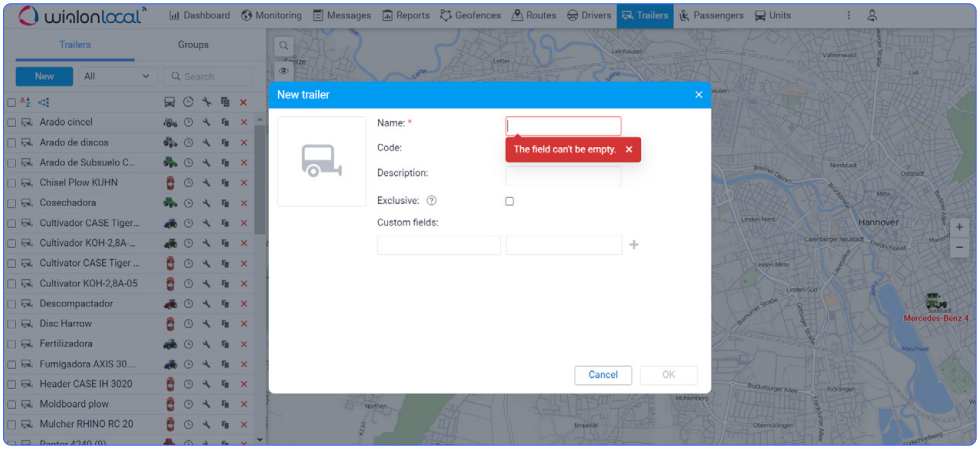
VEHICLE'S VIN CODE IN THE UNIT PROPERTIES

Some GPS tracking devices send the VIN code of the vehicle to Wialon. Now, when filling in the unit properties, the user will be prompted that the system has automatically determined the VIN code of the device, which can be approved or rejected. The purpose of this is to provide more information about the vehicle without the need to enter data manually.

VALIDATION

ERROR MESSAGES WHEN FILLING IN THE FIELDS

A new validation logic was applied not only in the Wialon Local CMS, but also in the monitoring system for all the fields in the Routing windows, as well as in the *New trailer* and *Trailer properties* forms in the Trailers tab. It has become easier to fill in all the fields, eliminate errors if necessary, and submit the form faster.



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