

# Wialon Local Advantages

---

## Server



1. Proprietary data storage system (Wialon DB);
2. Smart platform management interface allowing to start and stop servers remotely;
3. Increased security and stability due to newly integrated authorization method and DDoS-attacks protection;
4. Lower server hardware requirements and improved system performance;
5. Up to 10 000 units support on each Wialon server;
6. Advanced backup technology. Data backup on different servers;
7. Distribution package comprising Debian Linux (Jessie). The system is easy to roll out and doesn't require specialized skills;
8. Option to restrict task execution for stable server performance and overload protection.

---

## Administrative panel



1. User-friendly and intuitive interface;
2. Stopping and restarting Wialon in one click;
3. Automatic updates;
4. Automatic error detection and system restart in case of critical malfunction;
5. Error reports automatically sent to developers.

---

## Cartography



1. Availability of native cartographic services: Gurtam Maps on subscription basis and WebGIS on your own server;
2. Gurtam Maps-based routing subsystem. Quick search for the shortest route between waypoints. Distance and time in trips estimation;
3. Speed limits data to detect overspeeding on Gurtam Maps basis;
4. Maps compilation from any vector format to AVD in the Administrator Panel (for WebGIS).

---

## Advanced functionality



1. Wialon Local basic package extended by SDK and Billing modules;
2. Historical data retranslation. Sensor retranslation in Wialon Retranslator and Wialon IPS protocol;
3. Flexible ACL system with access rights templates added;
4. Custom fields for resources;
5. Extended import/export opportunities;
6. Focus on track option for printed reports;
7. Locator tool: sharing links to real-time vehicle movement;
8. Convenient and informative pop-up tooltips;
9. Fuel theft and filling notifications.

---

## Third-party software integration



1. Improved SDK to address any issue of third-party software integration. Employ free apps or develop proprietary SDK-based solutions;
2. JavaScript, Java, Python, Ruby, and PHP support.

---

## Interface



1. POI and geofence integration;
2. Geofence groups to be used both in notifications and report building;
3. Mini-windows for individual unit tracking;
4. Color marking of a sensor line or sensor value in unit tooltip;
5. Route/route point sending to a driver;
6. Option to save routes calculated with Routing tool;
7. Option to receive and playback video footages in Wialon web-interface;
8. Adjustment to touch screens of mobile phones and laptops;
9. Tachograph or bindings data to identify driver activity;
10. Command execution function in Wialon Mobile V2;
11. OpenSeaMaps support with Marine, Elevation, and Sea Marks profiles;
12. Quick search for any system element on the map.

---

## Analytics



1. Eco Driving module for driver behavior analysis;
2. Tachograph files remote downloading and data analysis with Tacho Manager and Tacho View apps;
3. LBS positioning to determine unit location by mobile operator base stations where GPS is unavailable;
4. New types of sensors including emergency button, weight sensor, mileage sensor with overflow and Private Mode sensor;
5. Temperature and weight control reports;
6. Embedded reports grouping and sorting options;
7. Reports with grouping by shifts;
8. Option to build up "Login" table as a part of expanded report for resources;
9. Report template "binding" to specific units.

---

## CMS



1. Unit profile in Unit properties tab. Capturing and storing detailed information on the unit (VIN, model, year, etc.);
2. Quick creation of new units from WLP files in Wialon web interface and CMS Manager.

---

## Mobile applications



1. Free mobile client for iOS and Android;
2. New notification system capabilities. Send mobile notification and POST/GET queries to report triggered notifications to other systems;
3. WiaTag free software tracker for efficient mobile workforce management: couriers, trading agents, and drivers.