![optimoroute logo]

The OptimoRoute Web Service Application Programming Interface Specification

v1.11

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1. Introduction

This document is the official reference for the Optimo Route Web Service Application Programming Interface (WS API).

1.1. Our Web Service API is HTTP based

The methods to retrieve data from our Web Service (WS) API require an HTTP GET request method.

The methods that submit, change, or destroy data require a POST request method.

The API methods will return an error if you do not make your request with the correct HTTP method.

1.2. We use JSON for structured data exchange

Our API uses the JSON (JavaScript Object Notation) format.

More information about JSON and how it works can be found here: http://json.org/ and here: http://en.wikipedia.org/wiki/JSON. There are many readily available libraries to convert to and from the JSON format both for popular and for more esoteric programming languages.

1.3. SSL is required

Using SSL (https) is required to avoid passing both the authentication key and potentially confidential data in clear text over the web.

1.4. Limited number of concurrent requests

The maximum number of concurrent web service API requests for one account or for one IP address is limited to 5.

1.5. General error codes

The following error codes are applicable to all API operations:

- AUTH_KEY_MISSING – the authentication key is missing
- AUTH_KEY_UNKNOWN – a wrong authentication key was supplied
- MALFORMED_REQUEST – something is wrong with the input
- ERR_MISSING_MAND_FIELD – one of the mandatory fields is missing
- ERR_INVALID_PARAM_FORMAT – one of the specified fields is not in a valid format
- ERR_TOO_MANY_CONNECTIONS – there are too many concurrent requests
- ERR_INTERNAL – an internal server error occur

There are also error codes specific that are described in the *Return values* section of each method.

2. Authentication

The Optimo Route Web Service API authentication key parameter is always required, in addition to all the standard parameters.

You can generate your client ID in the **Administration**-> **Settings**-> **WS API** section of the Optimo Route web application. Your authentication key needs to be passed as the value of the *key* parameter.

3. The REST API

3.1. Create Order

Description

Creates a new order in the system.

URL: https://api.optimoroute.com/v1/create_order

HTTP Method: POST

Input format

*Note: Properties marked with * are mandatory.*

Property	Type	Default value	Description
operation*	string enum	CREATE	• **CREATE** – creates a new order in the system. • **CREATE_IF_FEASIBLE** - system first tries to plan the order to make sure it is feasible. If order can be fulfilled it is inserted to the database. **NOTE**: The CREATE_IF_FEASIBLE operation is experimental and might not be included in the future API releases. The operation blocks other create operations and planning operations initiated through the Optimo Route GUI.
orderNo	string		A user specified order identifier, also displayed in the web application. It can also be used for deleting orders via the WS API.
acceptDuplicateOrderNo	boolean	False	If set to *True* the system will accept orders with *orderNo* that already exists in the system.
type*	string enum	D	Delivery (D), Pickup (P) or Task (T). Set it to **D** for all orders. Currently, only delivery (D) is supported.
date*	date (string)		Delivery date. YYYY-MM-DD format, for example *2013-12-20*.
location*	location object		Delivery/Service location.
duration*	integer	5	The time in minutes required to unload the goods or perform a task at the given location.
twFrom	time (string)		The earliest time allowed to begin the service (if the driver arrives too early, he will be forced to wait). 24-hour (military) clock format, for example: *16:00* The valid values range from *00:00* to *23:59.*
twTo	time (string)		The deadline to end the service. 24-hour (military) clock format, for example *17:00* The valid values range from *00:00* to *23:59.*

assignedTo	string		The serial number of the Driver that this Order must be assigned to. Setting this field forces this Order to be served by the specified Driver.
priority	string	M	Order priority. Values can be: L – Low M – Medium H – High C – Critical High priority orders are scheduled earlier and are less likely to be left unscheduled if not all orders can be serviced.
load1	integer	0	The load requirements of the order, i.e. how many load units (Number of boxes, Kilos, Pounds, Liters etc) should be delivered. The meaning of this entry depends on the provided configuration of load/capacity constraints.
load2	integer	0	See load1.
load3	integer	0	See load1.
load4	integer	0	See load1.
vehicleFeatures	list of strings		The vehicle features used to differentiate some Vehicles from the others. The required vehicle features are defined as a list of vehicle feature codes.
skills	list of strings		The driver skills used to differentiate some Drivers from the others. The required skills are defined as a list of skill codes.
notes	string		The optional note that will accompany the driver's instructions. Notes do not affect the optimization process. A free form string.
customField1	string		Value that will be saved in custom field #1.
customField2	string		Value that will be saved in custom field #2.
customField3	string		Value that will be saved in custom field #3.
customField4	string		Value that will be saved in custom field #4.
customField5	string		Value that will be saved in custom field #5.

Location object can be defined with the following fields:

Property	Type	Default value	Description
address	string		The full address including the country, for example *393 Hanover St, Boston, MA 02113, US*
acceptMultipleResults	boolean	False	Used only if a new location is created by geocoding the *address* field. If set to *False*, the system will not accept the geocoded addresses where several results matching the provided address have been found and an error will be raised.
acceptPartialMatch	boolean	False	Used only if a new location is created by geocoding the *address* field. If set to *False*, the system will not accept the geocoded addresses that were only a partial match (lower geocoding confidence) and an error will be raised.
locationNo	string		The unique identifier for the given location.
locationName	string		Location name.
latitude	decimal		Location GPS latitude.
longitude	decimal		Location GPS longitude.

A location is defined by one of the following:

- **locationNo**– the location number of a location already existing in the system. An existing location is used. (**NOTE:** the **address, latitude + longitude** and **locationName** should **NOT** be specified, otherwise the system will try to geocode the location **again** or create one with a defined GPS location)
- **latitude + longitude + locationName** (with optional **address** and **locationNo**) – the location is defined by the GPS latitude and longitude.
  The location name will be set to the value of *locationName* field.
  The location address will be set to *address* if *address* is set, otherwise it will be left blank.
  The location number will be set to *locationNo* if *locationNo* is set, otherwise it will be left blank.
- **address** (with optional **locationName** and **locationNo**) – the system will try to find an existing locations with the specified *address* (and *locationName* if one is specified). If an existing location is not found the location address will be geocoded based on the supplied *address*.
  The location name will be set to *locationName* field if *locationName* is supplied, otherwise it will be set to the value of *address* field.
  The location number will be set to *locationNo* if *locationNo* is set, otherwise it will be left blank.

Request example

curl -d '@reqbody.json' 'https://api.optimoroute.com/v1/create_order?key=AUTH_KEY'

(where reqbody.json is a local file containing the JSON data to be posted. See the request body example here below)

Request body example:

```
{
  "operation": "CREATE",
  "orderNo": "ORD001",
  "type": "D",
  "date": "2014-10-14",
  "location": {
    "address": "393 Hanover St, Boston, MA 02113, USA",
    "locationNo": "LOC001",
    "locationName": "Green Cross Pharmacy North End",
    "acceptPartialMatch": true
  },
  "duration": 20,
  "twFrom": "10:00",
  "twTo": "10:59",
  "load1": 10,
  "load2": 25,
  "vehicleFeatures": ["FR"],
  "skills": ["SK001", "SK002"],
  "notes": "Deliver at back door"
}
```

Return values

Property	Type	Default value	Description
success*	boolean		True if order was saved, false if there was an error.
code	string		An error code or a warning code (not set if the operation was successful).
message	string		An error description or a warning description (not set if the operation was successful).
location	location data		The location data for the created order (only if the operation was successful).
geocodingResults	list		The list of geocoding results if the location is created from the supplied address. Each geocoding result is defined as: [geocodedAddress*, latitude*, longitude*, partialMatchFlag]

Location data:

Property	Type	Default value	Description
address	string		Location address.
locationNo	string		Location number/identifier.
locationName	string		Location name.
latitude	decimal		Location GPS latitude.
longitude	decimal		Location GPS longitude.

Error and warning codes

- ERR_ORD_EXISTS - an order with the specified *orderNo* already exists in the system (checked only if *orderNo* field is set)
- ERR_DRV_NOT_EXISTS – the driver with the serial number passed in *assignedTo* does not exist
- ERR_DRV_MULTIPLE – there is more than one driverswith the *assignedTo* serial number
- ERR_LOC_NOT_VALID – the specified location is not valid
- ERR_LOC_GEOCODING – the specified address could not be geocoded
- ERR_LOC_GEOCODING_MULTIPLE – multiple results have been found during geocoding
- ERR_LOC_GEOCODING_PARTIAL – the geocoder did not return an exact match for the original request
- ERR_LOC_NON_EXISTING_LOC – the location specified by *locationNo* does not exist
- ERR_LOC_MULTIPLE_LOC – multiple locations with specified *locationNo* have been found
- ERR_VF_NOT_EXISTS – the vehicle feature does not exist (for one of the codes specified in *vehicleFeatures* field)
- ERR_VF_MULTIPLE – multiple vehicle features exist (for one of the codes specified in the *vehicleFeatures* field)
- ERR_SK_NOT_EXISTS – the vehicle skill does not exist (for one of the codes specified in the *skills* field)
- ERR_SK_MULTIPLE – multiple skills exist (for one of the codes specified in *skills* field)
- ERR_TIMEOUT - only applicable if CREATE_IF_FEASIBLE operation is set – this error is raised if the operation timed out while waiting for another optimization to finish or the optimization took too long.
- ERR_NOT_FEASIBLE – only applicable if CREATE_IF_FEASIBLE operation is set – this error is raised if it is not possible to fulfill the order (taking in consideration all the existing orders and constraints)
- WAR_LOC_GEOCODING_MULTIPLE – multiple results have been found during geocoding (but the order was created because *acceptMultipleResults* was set to True)
- WAR_LOC_GEOCODING_PARTIAL – the geocoder did not return an exact match for the original request (but the order was created because *acceptPartialMatch* was set to True)

3.2. Delete Order

Description

Removes an order from the system.

URL: https://api.optimoroute.com/v1/delete_order

HTTP Method: POST

Input format

*Note: Properties marked with * are mandatory.*

Property	Type	Default value	Description
orderNo*	string		The user-specified identifier of the order to be deleted.

Request example

curl -d '@reqbody.json' 'https://api.optimoroute.com/v1/delete_order?key=AUTH_KEY'

(where reqbody.json is a local file containing the JSON data to be posted. See the request body example here below)

Request body example:

```
{
  "orderNo": "ORD001"
}
```

Return values

Property	Type	Default value	Description
success*	boolean		True if order was deleted, false if there was an error.
code	string		An error code or a warning code (not set if the operation was successful).
message	string		An error description or a warning description (not set if the operation was successful).
planningId	integer		The id of the planning process in case optimization is running for this order.

Error codes

- ERR_ORD_NOT_FOUND – the order with the matching *orderNo* was not found
- ERR_MULTIPLE_ORD_FOUND – there are multiple orders matching the *orderNo*
- ERR_OPT_RUNNING – optimization is running for this order

3.3. Delete All Orders

Description

Removes all orders and planned routes for the specified date from the system. If no date is set, all orders and routes are removed from the system.

URL: https://api.optimoroute.com/v1/delete_all_orders

HTTP Method: POST

Input format

*Note: Properties marked with * are mandatory.*

Property	Type	Default value	Description
date	date (string)		Date for which orders and routes will be deleted. YYYY-MM-DD format, for example *2013-12-20*.

Request example

curl -d '@reqbody.json' 'https://api.optimoroute.com/v1/delete_all_orders?key=AUTH_KEY'

(where reqbody.json is a local file containing the JSON data to be posted. See the request body example here below)

Request body example:

```
{
  "date": "2014-10-14"
}
```

Return values

Property	Type	Default value	Description
success*	boolean		True if orders were deleted, false if there was an error.
code	string		An error code or a warning code (not set if the operation was successful).
message	string		An error description or a warning description (not set if the operation was successful).
planningId	integer		The id of the planning process in case optimization is running for this order.

Error codes

- ERR_OPT_RUNNING – optimization is running for this date

3.4. Get Routes

Description

Gets the Routes for a specific date.

URL: https://api.optimoroute.com/v1/get_routes

HTTP Method: GET

Input format

*Note: Properties marked with * are mandatory.*

Property	Type	Default value	Description
date*	date (string)		Queried date. YYYY-MM-DD format, for example *2013-12-20*.
driverSerial	string		Optionally filter by Serial number of the Driver.
vehicleRegistration	string		Optionally filter by Vehicle registration.
includeRoutePolyline	boolean	False	Optional property to include route polyline in the output. This polyline can be used to display the route on the map. The polyline is a list of coordinates encoded with Encoded Polyline Algorithm.

Request example

curl 'https://api.optimoroute.com/v1/get_routes?key=AUTH_KEY&date=2013-12-20'

Return values

Property	Type	Default value	Description
success*	boolean		True if the query was successful, false if there was an error.
routes*	list of route objects	[]	List of routes matching the query.
code	string		An error code or a warning code (not set if the operation was successful).
message	string		An error description or a warning description (not set if the operation was successful).

Route object:

Property	Type	Default value	Description
driverSerial*	string		The serial number assigned to the driver.
driverName*	string		The driver's name.
vehicleRegistration*	string		Vehicle registration.
vehicleLabel*	string		Vehicle label.
duration*	integer		Route duration in minutes.
distance*	decimal		Route distance in kilometers.
load1*	integer	0	Route load #1.
load2*	integer	0	Route load #2.
load3*	integer	0	Route load #3.
load4*	integer	0	Route load #4.
load5*	integer	0	Route load #5.
stops*	list of stop objects	[]	An ordered list of stops/orders on the route.
routePolyline	string		Route polyline encoded with Encoded Polyline Algorithm. Only included if *includeRoutePolyline* is set to *True*.

Stop object:

Property	Type	Default value	Description
stopNumber*	integer		Stop number. Starts at 1.
orderNo*	string		The order number.
locationNo*	string		Location number.
locationName*	string		Location name.
address*	string		Location address.
latitude*	decimal		Location latitude.
longitude*	decimal		Location longitude.
scheduledAt*	time (string)		The scheduled time to begin the service 24-hour (military) clock format, for example: *16:00* The valid values range from *00:00* to *23:59.*

Error codes

None.

3.5. Get Scheduling Information

Description

Gets the scheduling information for the specified Order.

URL: https://api.optimoroute.com/v1/get_scheduling_info

HTTP Method: GET

Input format

*Note: Properties marked with * are mandatory.*

Property	Type	Default value	Description
orderNo*	string		The user-specified identifier for the order.

Request example

curl 'https://api.optimoroute.com/v1/get_scheduling_info?key=AUTH_KEY&orderNo=ORD001'

Return values

Property	Type	Default value	Description
success*	boolean		True if the query was successful, false if there was an error.
orderScheduled	boolean		True if the order is scheduled, False otherwise.
scheduleInformation	schedule info object		The order scheduling information.
code	string		An error code or a warning code (not set if the operation was successful).
message	string		An error description or a warning description (not set if the operation was successful).

Order scheduling information object:

Property	Type	Default value	Description
driverSerial*	string		The serial number assigned to the driver.
driverName*	string		The driver's name.
vehicleRegistration*	string		Vehicle registration.
vehicleLabel*	string		Vehicle label.
stopNumber*	integer		Stop number on the route. Starts at 1.
scheduledAt*	time (string)		The scheduled time to begin the service 24-hour (military) clock format, for example: 16:00 The valid values range from 00:00 to 23:59.

Error codes

- ERR_ORD_NOT_FOUND – order with the matching *orderNo* was not found
- ERR_MULTIPLE_ORD_FOUND – multiple orders with matching *orderNo* were found

3.6. Start Planning

Description

Starts the planning process for the specified date.

URL: https://api.optimoroute.com/v1/start_planning

HTTP Method: POST

Input format

*Note: Properties marked with * are mandatory.*

Property	Type	Default value	Description
date*	date (string)		Date to be planned. YYYY-MM-DD format, for example *2013-12-20*.
balancing	string	OFF	Route balancing settings. Allowed values: OFF – No balancing ON – Balance routes ON_FORCE – Balance routes and use all drivers **No balancing**: returns the best routes, some drivers might not be used. **Balance routes:** balance the work load between drivers, some drivers may not be used. **Balance routes and use all drivers:** balance work load between all available drivers.
balanceBy	string	WT	If route balancing is turned on, this defines the criteria for balancing the routes. Allowed values: WT – Working time NUM – Number of orders per driver
balancingFactor	decimal	0.3	Importance of balancing compared to route costs. Increasing the balancing factor will result in more balanced routes. Only applicable in combination with ON_FORCE (otherwise ignored). Minimum value: 0.0 Maximum value: 1.0
startWith	string	EMPTY	Start planning from existing routes or from scratch. Allowed values: EMPTY – Ignore existing routes and start from scratch CURRENT – Start planning with the existing routes
lockType	string	NONE	Applicable if *startWith* is set to CURRENT. Allowed values: NONE – Allow all changes to the existing routes ROUTES - Keep planned Routes unchanged and add new Orders to unused RESOURCES - Keep Drivers/Vehicles for planned Orders and fit in new Orders

Request example

curl -d '@reqbody.json' 'https://api.optimoroute.com/v1/start_planning?key=AUTH_KEY'

(where reqbody.json is a local file containing the JSON data to be posted. See the request body example here below)

Request body example:

```
{
  "date": "2013-12-20"
}
```

Return values

Property	Type	Default value	Description
success*	boolean		True if order was deleted, false if there was an error.
code	string		Error or warning code (not set if operation was successful).
planningId	integer		Returns id of the started optimization if operation was successful, or the already running optimization in case of ERR_OPT_RUNNING_FOR_DATE error. Planning id can be used later for getting the planning status or stopping the planning process.

Error codes

- ERR_OPT_TRIAL_ENDED – free trial has ended for this account
- ERR_OPT_RUNNING_FOR_DATE– planning is already running for this date
- ERR_OPT_NO_REQUESTS – no orders exist for the specified date
- ERR_OPT_NO_RESOURCES – no drivers are available for this date
- ERR_OPT_RESOURCES_EXCEEDED – number of driver exceeded
- ERR_OPT_REQUESTS_EXCEEDED – number of orders exceeded
- ERR_OPT_COULD_NOT_START – internal error, please contact support

3.7. Stop Planning

Description

Stops the planning process.

URL: https://api.optimoroute.com/v1/stop_planning

HTTP Method: POST

Input format

*Note: Properties marked with * are mandatory.*

Property	Type	Default value	Description
planningId*	integer		The id of the planning process to be stopped

Request example

curl -d '@reqbody.json' 'https://api.optimoroute.com/v1/stop_planning?key=AUTH_KEY'

(where reqbody.json is a local file containing the JSON data to be posted. See the request body example here below)

Request body example:

```
{
  "planningId": 8828
}
```

Return values

Property	Type	Default value	Description
success*	boolean		True if order was deleted, false if there was an error.
code	string		An error code or a warning code (not set if the operation was successful).

Error codes

- ERR_JOB_NOT_FOUND – planning job with specified id was not found
- ERR_OPT_NOT_RUNNING – planning job is not running
- ERR_OPT_COULD_NOT_STOP – internal error, please contact support

3.8. Get Planning Status

Description

Returns the status of the planning process.

URL: https://api.optimoroute.com/v1/get_planning_status

HTTP Method: POST

Input format

*Note: Properties marked with * are mandatory.*

Property	Type	Default value	Description
planningId*	integer		The id of the planning process

Request example

curl 'https://api.optimoroute.com/v1/get_planning_status?key=AUTH_KEY&planningId=8828'

Return values

Property	Type	Default value	Description
success*	boolean		True if the request was a success, false if an error occurred.
code	string		An error code or a warning code (not set if the operation was successful).
status	string		**N** - New **R** - Running **C** - Cancelled by the user **F** - Finished **E** - Error occurred
percentageComplete	integer		Percentage complete – values range from 0 to 100.

Error codes

- ERR_JOB_NOT_FOUND – the planning job with the specified id was not found

3.9. Update Driver Status

Description

Updates the driver status with the latest information from the field.

URL: https://api.optimoroute.com/v1/update_driver_status

HTTP Method: POST

Input format

*Note: Properties marked with * are mandatory.*

Property	Type	Default value	Description
externalId *	string		The external identificator assigned to the driver in driver administration.
datetime*	datetime		Combined date and time format with seconds in UTC, for example: 2015-09-25T14:00:00.
latitude*	decimal		Location GPS latitude.
longitude*	decimal		Location GPS longitude.
speed*	integer		Driver's speed in km/h.
angle*	integer		Moving direction angle.

Request example

curl -d '@reqbody.json' 'https://api.optimoroute.com/v1/update_driver_status?key=AUTH_KEY'

Where reqbody.json is a local file containing the JSON data to be posted.

Request body example:

```
{
  "externalId": "3945300304540",
  "datetime": "2015-09-25T14:00:00",
  "latitude": 42.365253,
  "longitude": -71.053124,
  "speed": 60,
  "angle": 35
}
```

Return values

Property	Type	Default value	Description
success*	boolean		True if the status was updated, false if an error occurred.
code	string		An error code or a warning code (not set if the

			operation was successful).

Error codes

- ERR_DRIVER_NOT_FOUND – the driver with the specified *externalId* was not found
- ERR_MULTIPLE_DRV – multiple drivers with specified *externalId* have been found

3.10. Update Vehicle Status

Description

Updates the vehicle status with the latest information from the field.

URL: https://api.optimoroute.com/v1/update_vehicle_status

HTTP Method: POST

Input format

*Note: Properties marked with * are mandatory.*

Property	Type	Default value	Description
externalId*	string		The external indentificator assigned to the vehicle in the vehicle administration.
datetime*	datetime		Combined date and time format with seconds in UTC, for example: 2015-09-25T14:00:00.
latitude*	decimal		Location GPS latitude.
longitude*	decimal		Location GPS longitude.
speed*	integer		Driver's speed in km/h.
angle*	integer		Moving direction angle.

Request example

curl -d '@reqbody.json' 'https://api.optimoroute.com/v1/update_vehicle_status?key=AUTH_KEY'

Where reqbody.json is a local file containing the JSON data to be posted.

Request body example:

```
{
  "externalId": "238717382882",
  "datetime": "2015-09-25T14:00:00",
  "latitude": 42.365253,
  "longitude": -71.053124,
  "speed": 60,
  "angle": 35
}
```

Return values

Property	Type	Default value	Description
success*	boolean		True if the status was updated, false if an error occurred.
code	string		An error code or a warning code (not set if the

| | | | operation was successful). |

Error codes

- ERR_VEH_NOT_FOUND – the vehicle with the specified *externalId* was not found
- ERR_MULTIPLE_VEH – multiple vehicles with specified *externalId* have been found

3.11. Update Driver Parameters

Description

Updates driver parameters for a particular date and driver start and end location. Any existing routes for the specified date/driver will be unscheduled. The following parameters can be changed:

- Enable/disable driver
- Driver work time from
- Driver work time to
- Assigned vehicle
- Vehicle load capacity #1
- Vehicle load capacity #2
- Vehicle load capacity #3
- Vehicle load capacity #4
- Driver start location
- Driver end location

URL: https://api.optimoroute.com/v1/update_driver_parameters

HTTP Method: POST

Input format

*Note: Properties marked with * are mandatory.*

Property	Type	Default value	Description
externalId *	string		The external identificator assigned to the driver in driver administration.
date*	date		Date to be planned. YYYY-MM-DD format, for example *2013-12-20*.
enabled	boolean	unchanged	Enable or disable driver for the specified date.
workTimeFrom	time (string)	unchanged	Driver's work time from for the specified date. 24-hour (military) clock format, for example: *08:00* The valid values range from *00:00* to *23:59.*
workTimeEnd	time (string)	unchanged	Driver's work time end for the specified date. 24-hour (military) clock format, for example: *08:00* The valid values range from *00:00* to *23:59.*
assignedVehicle	string	unchanged	The external indentificator of the vehicle to be assigned to the driver for the specified date. This will also update the vehicle load capacity parameters (unless they are overridden with vehicleCapacityX settings).
vehicleCapacity1	integer	unchanged	The new vehicle load capacity #1 for the specified date.
vehicleCapacity2	integer	unchanged	The new vehicle load capacity #2 for the specified date.
vehicleCapacity3	integer	unchanged	The new vehicle load capacity #3 for the specified date.
vehicleCapacity4	integer	unchanged	The new vehicle load capacity #4 for the specified date.
startLatitude	decimal	unchanged	Driver's start location GPS latitude will be changed (this new location will be used for all future optimizations).

			If startLongitude is not defined this value will be ignored.
startLongitude	decimal	unchanged	Driver's start location GPS longitude (this new location will be used for all future optimizations). If startLatitude is not defined this value will be ignored.
startAddress	string	unchanged	Driver's start location address that will be displayed on reports (this new location will be used for all future optimizations). If startLatitude and startLongitude are not defined this value will be ignored.
endLatitude	decimal	unchanged	Driver's end location GPS latitude (this new location will be used for all future optimizations). If endLongitude is not defined this value will be ignored.
endLongitude	decimal	unchanged	Driver's end location GPS longitude (this new location will be used for all future optimizations). If endLatitude is not defined this value will be ignored.
endAddress	string	unchanged	Driver's end location address that will be displayed on reports (this new location will be used for all future optimizations). If endLatitude and endLongitude are not defined this value will be ignored.

Request example

curl -d '@reqbody.json' 'https://api.optimoroute.com/v1/update_driver_parameters?key=AUTH_KEY'

Where reqbody.json is a local file containing the JSON data to be posted.

Request body example:

```
{
  "externalId": "3945300304540",
  "date": "2015-09-25",
  "workTimeFrom": "09:30",
  "workTimeTo": "18:00"
}
```

Return values

Property	Type	Default value	Description
success*	boolean		True if the status was updated, false if an error occurred.
code	string		An error code or a warning code (not set if the operation was successful).

Error codes

- ERR_DRIVER_NOT_FOUND – the driver with the specified *externalId* was not found
- ERR_MULTIPLE_DRV – multiple drivers with specified *externalId* have been found
- ERR_VEH_NOT_FOUND – the vehicle with the specified *externalId* was not found

- ERR_MULTIPLE_VEH – multiple vehicles with specified *externalId* have been found