Logistics Services v1.6

The service is designed to automate operations with orders.
Server for requests **http(s)://logistics.wialon.com**

/api/import

Description
Service for importing orders either from CSV and XLSX files or via JSON format. Import is implemented using POST method. Response comes as JSON.

General parameters

Name	Description
authHash OR token	Authorization hash or token. Token should have permissions on "Modification of important data".
resourceId	ID of the resource where the orders should be saved. User is supposed to have permission on creation of orders in this resource.
repeated	1 — import orders as permanent (by default, 0).

Import from JSON. List of parameters

data	JSON orders array

Import from file. List of parameters

Name	Default value	Description
File		CSV file (ZIP archivation allowed). XLSX file (no ZIP archivation allowed).
columns	tf,tt,p.n,p.a,n	Succession of columns in file should be given in string, comma-separated, no spaces.
separator	;	Separator employed in a file.
format	%d.%m.%Y %H:%M	Time format employed in a file.

Response in case of success

{"parse": {"ok": 5, "error": 0}, "detail": {"errors_count": 0, "msgs": [],"errors_at": []}}, "save": {"ok": 5, "error": 0}}	Number of orders successfully parsed and saved.

Response in case of error

{"error": 8, "detail": "Invalid credentials"}	If any errors have occurred, the service will return a standard Wialon error. If the error is negative, it means it happened on service's side. The field "detail" provides more information about the error.

/api/route

Description

Service for importing routes either from CSV and XLSX files or via JSON format. Sequence of orders in a route is identical to a sequence of orders in a file. Import is implemented using POST method. Response comes as JSON.

General parameters

Name	Description
authHash OR token	Authorization hash or token. Token should have permissions on "Modification of important data".
resourceId	ID of a resource where orders should be saved. User is supposed to have permission on creation of orders in this resource.
unitId	ID of a unit to which a route is assigned.

Import from JSON. List of parameters

data	JSON orders array

Import from file. List of parameters

Name	Default value	Description
file		CSV file (ZIP archivation allowed). XLSX file (no ZIP archivation allowed).
columns	tf,tt,x,y,p.n,p.a,n,p.r.vt	Succession of columns in file should be given in string, comma-separated, no spaces.
separator	;	Separator employed in a file.
format	%d.%m.%Y %H:%M	Time format employed in a file.

Response in case of success

{"error": 0, "detail": "Route with %s orders was created "}	Information on errors; information on a route created.

Response in case of error

{"error": 8, "detail": "Invalid credentials"}	If any errors occur, the service returns a standard Wialon error. If the error is negative, it means it happened on service's side. The field "detail" provides more information about the error.

/api/routes

Description
The service supports receiving of built routes. Request is implemented using POST method. Response comes as JSON.

General parameters

Name	Description
resourceId	ID of the resource a route belongs to.
authHash OR token	Authorization hash or token.
unitIds	Filtration of routes by unit IDs (separate IDs with comma, for example: unitIds=1,2,3)
from	Filtration of routes by time interval. Response contains the routes matching indicated values. Any of the parameters can be omitted.
to	

Variables and their values

General parameters	
Variable	**Value**
n	order name
x	longitude
y	latitude
r	radius, in meters
tf	delivery interval starting time
tt	delivery interval ending time
trt	schedule advancing time, in seconds
p.n	client name
p.p	phone number
p.p2	second phone number
p.e	e-mail
p.a	address
p.v	volume
p.c	cost
p.w	weight, in kg
p.ut	unloading time, in seconds
p.t	vehicle type

p.d	comments
p.tags	order tags, separator '|'
p.ntf	notification flags (0x1 — sms on the 1st phone number, 0x2 — sms on the 2d phone number, 0x10 — e-mail)
cf	custom field
Routes parameters	
p.r.vt	delivery point's planned visiting time
p.r.m	planned mileage from a previous delivery point (meters, 0 for the 1st point)
p.r.t	planned time from a previous delivery point (seconds, 0 for the 1st point)
rp	planned track (if unknown; points processed in a line by the algorithm https://developers.google.com/maps/documentation/utilities/polylinealgorithm)

Order format description: https://sdk.wialon.com/wiki/en/sidebar/remoteapi/apiref/order/update

Request examples:

Orders importing
```
curl -X POST "http://logistics.wialon.com/api/import" --data
'token=TOKEN&resourceId=RESOURCE_ID&data=[{"uid":0,"id":0,"n":"test
import","p":{"n":"","p":"","p2":"","e":"","a":"Беларусь, Минск, Рокоссовского пр.,
13","v":0,"w":0,"c":0,"d":"","ut":600,"t":"","r":null,"cid":"","uic":"","ntf":0,"pr":0,"tags":["test_import"]},"f":32,"tf":
0,"tt":86340,"r":100,"y":53.8731765747,"x":27.6007461548,"u":0,"s":0,"trt":3600,"cf":{"cf1":"value_1","cf2":
"value2"},"itemId":RESOURCE_ID,"callMode":"create"}]&repeated=1'
```

Route importing
```
curl -X POST -H "Content-Type: application/x-www-form-urlencoded" -d
'data=[{"tf":1490086800,"tt":1490115600,"x":8.30299097061,"y":52.6686602788,"p":{"n":"Customer","a":"К
лары Цеткин ул., Минск, Беларусь","r":{"vt":1490101247}},"n":"Order
name"}]&resourceId=<RESOURCE_ID>&token=<TOKEN>&unitId=<UNIT_ID>'
"https://logistics.wialon.com/api/route"
```

Routes receiving
```
curl -X GET 'https://logistics.wialon.com/api/routes?resourceId=<RESOURCE_ID>&token=<TOKEN>'
```

CSV importing
```
curl http://logistics.wialon.com/api/import -i --form "token=TOKEN" --form "resourceId=RESOURSEID" --
form "format=%d.%m.%Y %H:%M:%S" --form "separator=," --form
"columns=n,tf,tt,x,y,p.tags,p.a,p.e,cf.name1,cf.name2" --form "repeated=1" --form "file=@file.csv"
```