

plan_sequence.php

Route optimization function (only for customers with PTV as map provider or customers who have booked the Multi Map Option)

Beschreibung

POST

`plan_sequence.php?company=COMPANY_RTIKEY&vehicle=VEHICLE_RTIKEY&profile=truck&points=points_json_array`

Parameters

Parameter	Description	Type	Notes	Mandatory
company	RTI Company key	string		Yes
vehicle	RTI Vehicle key	string	One of the parameters vehicle, group or import must always be given!	(Yes)
group	RTI Group key	string	One of the parameters vehicle, group or import must always be given!	(Yes)
import	RTI Import key (All vehicles)	string	One of the parameters vehicle, group or import must always be given!	(Yes)
profile	- truck - car	string	Standard is "car"	No
points	The orders / destinations which should be optimized	json-array	See description "points_json_array"	Yes

points_json_array

Parameter	Description	Type	Notes	Mandatory
id		int		Yes
lat	Latitude of the point	double		Yes
lon	Longitude of the point	double		Yes
meta		string		No
type	- start - end	string	with this you can set the start and/or the end of the tour	No

Return

A string is returned. If successful, "OK" is returned as response. Otherwise an "ERROR:Description" is returned.

JSON Format

Parameter	Description	Type
id	passed id	int
type	"start", "end" oder ""	string
lat	Latitude	float
lon	Longitude	float
meta	passed Meta Description	string

example

```
{
  [
    {
      "id": 1,
      "type": "start",
      "lat": 51.0311742,
      "lon": 13.6034718,
      "meta": "YF"
    },
    {
      "id": 3,
      "type": "",
      "lat": 51.042972,
      "lon": 13.794998,
      "meta": "Dresden"
    },
    {
      "id": 2,
      "type": "",
      "lat": 51.268333,
      "lon": 14.326741,
      "meta": "Neschwitz"
    },
    {
      "id": 4,
      "type": "",
      "lat": 51.305518,
      "lon": 13.295992,
      "meta": "Riesa"
    },
    {
      "id": 5,
      "type": "end",
      "lat": 51.0311742,
      "lon": 13.6034718,
      "meta": "YF"
    }
  ]
}
```

Example

with fixed start and end

[https://map.yellowfox.de/rti/plan_sequence.php?company=COMPANY_RTIKEY&vehicle=VEHICLE_RTIKEY&profile=truck&points=\[{"id":1,"meta":"YF","lat":51.0311742,"lon":13.6034718,"type":"start"}, {"id":2,"meta":"Neschwitz","lat":51.268333,"lon":14.326741}, {"id":3,"meta":"Dresden","lat":51.042972,"lon":13.794998}, {"id":4,"meta":"Riesa","lat":51.305518,"lon":13.295992}, {"id":5,"meta":"YF","lat":51.0311742,"lon":13.6034718,"type":"end"}\]](https://map.yellowfox.de/rti/plan_sequence.php?company=COMPANY_RTIKEY&vehicle=VEHICLE_RTIKEY&profile=truck&points=[{)

[https://map.yellowfox.de/rti/plan_sequence.php?company=COMPANY_RTIKEY&vehicle={"type":"car_ident","groupKey":"GROUP_RTIKEY","ident":"VEHICLE_IDENT"}&profile=truck&points=\[{"id":1,"meta":"YF","lat":51.0311742,"lon":13.6034718,"type":"start"}, {"id":2,"meta":"Neschwitz","lat":51.268333,"lon":14.326741}, {"id":3,"meta":"Dresden","lat":51.042972,"lon":13.794998}, {"id":4,"meta":"Riesa","lat":51.305518,"lon":13.295992}, {"id":5,"meta":"YF","lat":51.0311742,"lon":13.6034718,"type":"end"}\]](https://map.yellowfox.de/rti/plan_sequence.php?company=COMPANY_RTIKEY&vehicle={)

without fixed points

```
https://map.yellowfox.de/rti/plan_sequence.php?
company=COMPANY_RTIKEY&vehicle=VEHICLE_RTIKEY&profile=truck&points=[{"id":1,"meta":"YF","lat":51.0311742,"lon":
13.6034718}, {"id":2,"meta":"Neschwitz","lat":51.268333,"lon":14.326741}, {"id":3,"meta":"Dresden","lat":
51.042972,"lon":13.794998}, {"id":4,"meta":"Riesa","lat":51.305518,"lon":13.295992}, {"id":5,"meta":"YF","lat":
51.0311742,"lon":13.6034718}]
```

```
https://map.yellowfox.de/rti/plan_sequence.php?company=COMPANY_RTIKEY&vehicle={"type":"car_ident","groupKey":"
GROUP_RTIKEY","ident":"VEHICLE_IDENT"}&profile=truck&points=[{"id":1,"meta":"YF","lat":51.0311742,"lon":
13.6034718}, {"id":2,"meta":"Neschwitz","lat":51.268333,"lon":14.326741}, {"id":3,"meta":"Dresden","lat":
51.042972,"lon":13.794998}, {"id":4,"meta":"Riesa","lat":51.305518,"lon":13.295992}, {"id":5,"meta":"YF","lat":
51.0311742,"lon":13.6034718}]
```

with fixed starting point

```
https://map.yellowfox.de/rti/plan_sequence.php?
company=COMPANY_RTIKEY&vehicle=VEHICLE_RTIKEY&profile=truck&points=[{"id":1,"meta":"YF","lat":51.0311742,"lon":
13.6034718,"type":"start"}, {"id":2,"meta":"Neschwitz","lat":51.268333,"lon":14.326741}, {"id":3,"meta":"
Dresden","lat":51.042972,"lon":13.794998}, {"id":4,"meta":"Riesa","lat":51.305518,"lon":13.295992}, {"id":5,"
meta":"YF","lat":51.0311742,"lon":13.6034718}]
```

```
https://map.yellowfox.de/rti/plan_sequence.php?company=COMPANY_RTIKEY&vehicle={"type":"car_ident","groupKey":"
GROUP_RTIKEY","ident":"VEHICLE_IDENT"}&profile=truck&points=[{"id":1,"meta":"YF","lat":51.0311742,"lon":
13.6034718,"type":"start"}, {"id":2,"meta":"Neschwitz","lat":51.268333,"lon":14.326741}, {"id":3,"meta":"
Dresden","lat":51.042972,"lon":13.794998}, {"id":4,"meta":"Riesa","lat":51.305518,"lon":13.295992}, {"id":5,"
meta":"YF","lat":51.0311742,"lon":13.6034718}]
```

with fixed ending point

```
https://map.yellowfox.de/rti/plan_sequence.php?
company=COMPANY_RTIKEY&vehicle=VEHICLE_RTIKEY&profile=truck&points=[{"id":1,"meta":"YF","lat":51.0311742,"lon":
13.6034718}, {"id":2,"meta":"Neschwitz","lat":51.268333,"lon":14.326741}, {"id":3,"meta":"Dresden","lat":
51.042972,"lon":13.794998}, {"id":4,"meta":"Riesa","lat":51.305518,"lon":13.295992}, {"id":5,"meta":"YF","lat":
51.0311742,"lon":13.6034718,"type":"end"}]
```

```
https://map.yellowfox.de/rti/plan_sequence.php?company=COMPANY_RTIKEY&vehicle={"type":"car_ident","groupKey":"
GROUP_RTIKEY","ident":"VEHICLE_IDENT"}&profile=truck&points=[{"id":1,"meta":"YF","lat":51.0311742,"lon":
13.6034718}, {"id":2,"meta":"Neschwitz","lat":51.268333,"lon":14.326741}, {"id":3,"meta":"Dresden","lat":
51.042972,"lon":13.794998}, {"id":4,"meta":"Riesa","lat":51.305518,"lon":13.295992}, {"id":5,"meta":"YF","lat":
51.0311742,"lon":13.6034718,"type":"end"}]
```

Error

Error	Description
ERROR:PTV_OR_MULTI_MAP_IS_REQUIRED	You need PTV as a card provider or the paid option "multi card", please contact our sales department
ERROR:NO_CAR_IN_MIN_BUSINESS_TARIFF	At least 1 vehicle must have a business tariff or higher
ERROR:NOT_POINTS_GIVEN	No points passed
ERROR:INVALID_POINTS	It is not an array of points