LocationBox Tracking REST Services

JSON input/output services. “Content-type : application/json”

urlprefix: http://tracking.locationbox.com.tr/trackingws

Functions (resources):

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**register**

URL: <urlprefix>/register

Method: POST

Post Data: { "username": "infotech", "password": "inf", “key”: “39248901943610926983809462390462094629346209462946294609126” }

Response:

{

"status": 0,

"message": "Success",

"token": "30509B1B1F6D718762136FE5C8AEEF315718A55DFF9E45A78F14A6254345415BD361DC1DAE3FACBA19CA8EC3972CB5B7B514693461046AF59BA4FABF5FB193EF80986496B413820F961BB3D24B08DB833CB6B5B8F1E3CBB28441E8D7FE276E045E37DE1DDFBD6957"

}

P.S.: Currently no timeout for token which is user for every other requests.

**mobile (GET)**

URL: <urlprefix>/mobile/1?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": {

"id": 82147582669465520,

"deviceid": 123,

"custid": “AlphaNumeric1”,

"name": "Doktor x",

"key": "1730000208000116004900080309060X40701090040050270007069",

"typ": 1,

"status": 0

}

**mobile (POST)**

URL: <urlprefix>/mobile?token=<token>

Method: POST

Post Data:

{

"id": 0,

"deviceid": 123,

"custid": “AlphaNumeric1”,

"name": "Doktor x",

"key": "1730000208000116004900080309060X40701090040050270007069",

"typ": 1,

"status": 1

}

Response:

{

"status": 0,

"message": "Success",

"id": 400

}

**mobile (PUT)**

URL: <urlprefix>/mobile?token=<token>

Method: PUT

Post Data:

{

"id": 81147582669465520,

"deviceid": 123,

"custid": “AlphaNumeric1”,

"name": "Doktor Ahmet",

"key": "1730000208000116004900080309060X40701090040050270007069",

"typ": 1,

"status": 1

}

Response:

{

"status": 0,

"message": "Success"

}

**mobile (DELETE)**

URL: <urlprefix>/mobile/81147582669465520?token=<token>

Method: DELETE

Post Data: <n/a>

Response:

{

"status": 0,

"message": "Success"

}

**mobiles (GET)**

URL: <urlprefix>/mobiles?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": [

{

"id": 77147582669465520,

"name": "Doktor",

"deviceid": 0,

"custid": null,

"key": "1730000208000116004900080309060X40701090040050270007069",

"typ": 1,

"status": 1

},

{

"id": 77147575387378736,

"name": "Doktor",

"deviceid": 0,

"custid": null,

"key": "1730000208000116004900080309060X40701090040050270007069",

"typ": 1,

"status": 1

},

{

"id": 82147582669465520,

"name": "Doktor x",

"deviceid": 0,

"custid": null,

"key": "1730000208000116004900080309060X40701090040050270007069",

"typ": 1,

"status": 0

}

]

}

**schedule (GET)**

URL: <urlprefix>/schedule/1?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": {

"id": 1,

"name": "DENEME",

"mobileid": 82147582669465520,

"eventcode": "REGION\_ENTER",

"loctyp": 1,

"locid": 1,

"startdate": "2016-10-01",

"enddate": "2016-12-23",

"starttime": "06:24",

"endtime": "18:24",

"always": true,

"sunday": true,

"monday": true,

"tuesday": true,

"wednesday": true,

"thursday": true,

"friday": true,

"saturday": true

}

}

**schedule (POST)**

URL: <urlprefix>/schedule?token=<token>

Method: POST

Post Data:

{

"id": 0,

"name": "TEST",

"mobileid": 82147582669465520,

"eventcode": "REGION\_LEAVE",

"loctyp": 1,

"locid": 1,

"startdate": "2016-12-23",

"enddate": "2016-12-24",

"starttime": "06:24",

"endtime": "11:24",

"always": true,

"sunday": true,

"monday": true,

"tuesday": true,

"wednesday": true,

"thursday": true,

"friday": true,

"saturday": true

}

Response:

{

"status": 0,

"message": "Success",

"id": 15

}

**schedule (PUT)**

URL: <urlprefix>/schedule?token=<token>

Method: PUT

Post Data:

{

"id": 15,

"name": "TESTLI KAYIT",

"mobileid": 82147582669465520,

"eventcode": "REGION\_LEAVE",

"loctyp": 1,

"locid": 1,

"startdate": "2016-11-23",

"enddate": "2016-11-24",

"starttime": "06:22",

"endtime": "21:24",

"always": true,

"sunday": true,

"monday": true,

"tuesday": true,

"wednesday": false,

"thursday": true,

"friday": true,

"saturday": true

}

Response:

{

"status": 0,

"message": "Success"

}

**schedule (DELETE)**

URL: <urlprefix>/schedule/15?token=<token>

Method: DELETE

Post Data: <n/a>

Response:

{

"status": 0,

"message": "Success"

}

**schedules (GET)**

URL: <urlprefix>/schedules?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": [

{

"id": 1,

"name": "DENEME",

"mobileid": 82147582669465520,

"eventcode": "REGION\_ENTER",

"loctyp": 1,

"locid": 1,

"startdate": "2016-12-23",

"enddate": "2016-12-23",

"starttime": "06:24",

"endtime": "06:24",

"always": true,

"sunday": true,

"monday": true,

"tuesday": true,

"wednesday": true,

"thursday": true,

"friday": true,

"saturday": true

},

{

"id": 14,

"name": "TEST",

"mobileid": 82147582669465520,

"eventcode": "REGION\_LEAVE",

"loctyp": 1,

"locid": 1,

"startdate": "2016-12-23",

"enddate": "2016-12-24",

"starttime": "06:24",

"endtime": "11:24",

.

.

.

}

]

}

**location (GET)**

URL: <urlprefix>/location/last/107?token=<token>

Method: GET

Post Data: n/a

Response:

{

"status": 0,

"data": {

"mobileid": 107,

"ts": "2017-01-03 18:04:25",

"campusid": 0,

"campusname": "null",

"venueid": 1001172,

"venuename": "null",

"floor": 1,

"floorname": "null",

"areaid": 0,

"areaname": "null",

"basestationid": 0,

"basestationname": "null",

"xcoor": 34.6077423,

"ycoor": 36.8583069

}

}

**location (POST)**

URL: <urlprefix>/location?token=<token>

Method: POST

Post Data:

{

"mobileid": 111,

"deviceid" : 193829,

"custid": "Alpha-111",

"timestamp": "20170124200009",

"basestationid": 0,

"xcoor": 29.019906,

"ycoor": 41.07047,

"floor": 4,

"status": 1,

"message": ""

}

Response:

{

"status": 0,

"message": "Success",

"id": 111

}

**locations (GET)**

URL: <urlprefix>/locations/last?token=<token>

Method: GET

Post Data: n/a

Response:

{

"status": 0,

"data": {

"mobileid": 107,

"deviceid": 0,

"custid": null,

"ts": "2017-01-03 18:04:25",

"campusid": 0,

"campusname": "null",

"venueid": 1001172,

"venuename": "null",

"floor": 1,

"floorname": "null",

"areaid": 0,

"areaname": "null",

"basestationid": 0,

"basestationname": "null",

"xcoor": 34.6077423,

"ycoor": 36.8583069

}

}

**locations (GET)**

URL: <urlprefix>/locations/last/107/111/260/282?token=<token>

Method: GET

Post Data: n/a

Response:

{

"status": 0,

"data": {

"mobileid": 107,

"deviceid": 0,

"custid": null,

"ts": "2017-01-03 17:04:25",

"campusid": 0,

"campusname": "null",

"venueid": 1001172,

"venuename": "null",

"floor": 1,

"floorname": "null",

"areaid": 0,

"areaname": "null",

"basestationid": 0,

"basestationname": "null",

"xcoor": 34.6077423,

"ycoor": 36.8583069

}

},

{

"status": 0,

"data": {

"mobileid": 111,

"deviceid": 0,

"custid": null,

"ts": "2017-01-03 15:05:55",

"campusid": 0,

"campusname": "null",

"venueid": 1001172,

"venuename": "null",

"floor": 1,

"floorname": "null",

"areaid": 0,

"areaname": "null",

"basestationid": 0,

"basestationname": "null",

"xcoor": 34.6077423,

"ycoor": 36.8583069

}

},

{

"status": 0,

"data": {

"mobileid": 260,

"deviceid": 0,

"custid": null,

"ts": "2017-01-03 19:04:25",

"campusid": 0,

"campusname": "null",

"venueid": 1001172,

"venuename": "null",

"floor": 1,

"floorname": "null",

"areaid": 0,

"areaname": "null",

"basestationid": 0,

"basestationname": "null",

"xcoor": 34.6077423,

"ycoor": 36.8583069

}

},

{

"status": 0,

"data": {

"mobileid": 282,

"deviceid": 0,

"custid": null,

"ts": "2017-01-04 08:04:25",

"campusid": 0,

"campusname": "null",

"venueid": 1001172,

"venuename": "null",

"floor": 1,

"floorname": "null",

"areaid": 0,

"areaname": "null",

"basestationid": 0,

"basestationname": "null",

"xcoor": 34.6077423,

"ycoor": 36.8583069

}

}

**alarms (GET)**

URL: <urlprefix>/alarms?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": [

{

"rowno": 1,

"mobileid": 82147582669465520,

"ts": "2016-12-21 06:25:42",

"eventcode": "REGION\_LEAVE",

"eventdesc": "Bolgeden cikti",

"regionid": 1,

"regionname": "DENEME",

"campusid": 0,

"campusname": "",

"venueid": 0,

"venuename": "",

"floor": 0,

"floorname": "",

"areaid": 0,

"areaname": ""

},

{

"rowno": 2,

"mobileid": 82147582669465520,

"ts": "2016-12-21 08:25:42",

"eventcode": "INDOOR\_LEAVE",

"eventdesc": "Alandan cikti",

"regionid": 2,

"regionname": "TEST",

"campusid": 0,

"campusname": "",

"venueid": 0,

"venuename": "",

"floor": 0,

"floorname": "",

"areaid": 0,

"areaname": ""

}

]

}

Unprocessed alarms registered maximum 24 before are listed.

**loctypes (GET)**

URL: <urlprefix>/loctypes?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": [

{

"type": 1,

"desc": "REGION"

},

{

"type": 11,

"desc": "CAMPUS"

},

{

"type": 12,

"desc": "VENUE"

},

{

"type": 13,

"desc": "FLOOR"

},

{

"type": 14,

"desc": "AREA"

}

]

}

**eventcodes (GET)**

URL: <urlprefix>/eventcodes?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": [

{

"code": "INDOOR\_ENTER",

"desc": "İç Mekan Alanına Giriş"

},

{

"code": "INDOOR\_LEAVE",

"desc": "İç Mekan Alanından Çıkış"

},

{

"code": "REGION\_ENTER",

"desc": "Alana Giriş"

},

{

"code": "REGION\_LEAVE",

"desc": "Alandan Çıkıs"

}

]

}

**events (GET)**

URL: <urlprefix>/events? events/startdate/20170101153000/enddate/20170102233000/mobile/160?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": [

{

“locationid”: 500,

"mobileid": 160,

"ts": "2016-12-21 10:33:34",

"eventcode": "INDOOR\_LEAVE",

"eventdesc": "Alandan cikildi",

"loctyp": 1,

"locid": 1,

"locname": "deneme",

"regionid": 1,

"regionname": "deneme",

"campusid": 0,

"campusname": "",

"venueid": 0,

"venuename": "",

"floor": 0,

"floorname": "",

"areaid": 0,

"areaname": ""

},

.

.

.

]

}

**region (GET)**

URL: <urlprefix>/region/10004?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": {

"id": 10004,

"name": "COORS",

"key": "1730000208000116004900080309060X40701090040050270007069",

"typ": 9,

"string1": "",

"number1": 1

}

}

**region (POST)**

URL: <urlprefix>/region?token=<token>

Method: POST

Post Data:

{

"id": 0,

"name": "COORS",

"key": "1730000208000116004900080309060X40701090040050270007069",

"typ": 9,

"string1": "",

"number1": 1,

"coors": [29.01976992,41.07041001,29.01974796,41.07040497,29.01971412,41.07039696,29.01974184,41.07031902,29.01977784,41.07032703,29.019798,41.07033198]

}

Response:

{

"status": 0,

"message": "Success",

"id": 10005

}

Instead of “coors”, you may use “circle” and “union” arrays also. Examples:

To specify circle with coordinates and radius:

"circle": [ 29.01, 41.01, 1000]

To join two or more area on the floor and create a new region with joined areas:

"union": [7010,7011,7018,7047,7052,7031]

**region (PUT)**

Not available. Region should be deleted and new one posted.

**region (DELETE)**

URL: <urlprefix>/region/10004?token=<token>

Method: DELETE

Post Data:

Response:

{

"status": 0,

"message": "Success"

}

**regions (GET)**

URL: <urlprefix>/regions?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": [

{

"id": 10001,

"name": "ALI veli 49 50",

"key": "1730000208000116004900080309060X40701090040050270007069",

"typ": 9,

"string1": "",

"number1": 0

},

{

"id": 10004,

"name": "COORS",

"key": "1730000208000116004900080309060X40701090040050270007069",

"typ": 9,

"string1": "",

"number1": 1

},

{

"id": 1,

"name": "Deneme",

"key": "1730000208000116004900080309060X40701090040050270007069",

"typ": 9,

"string1": "",

"number1": 0

},

]

}

**campus (GET)**

URL: <urlprefix>/campus/1?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": {

"id": 1,

"name": "Neolife Tıp Merkezi",

"xcoor": 29.01988,

"ycoor": 29.01988,

"extent": {

"xmin": 41.07024396,

"ymin": 29.01970008,

"xmax": 41.07049398,

"ymax": 29.02006584

}

}

}

**campuses (GET)**

URL: <urlprefix>/campuses?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": [

{

"id": 1,

"name": "Neolife Tıp Merkezi",

"xcoor": 29.01988,

"ycoor": 29.01988,

"extent": {

"xmin": 41.07024396,

"ymin": 29.01970008,

"xmax": 41.07049398,

"ymax": 29.02006584

}

},

.

.

.

]

}

**venue (GET)**

URL: <urlprefix>/venue/7000?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": {

"id": 7000,

"name": "Neolife Tıp Merkezi",

"xcoor": 29.019872,

"ycoor": 29.019872,

"extent": {

"xmin": 41.07024396,

"ymin": 29.01970008,

"xmax": 41.07049398,

"ymax": 29.02006584

}

}

}

**venues (GET)**

URL: <urlprefix>/venues/campus/1?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": [

{

"id": 7000,

"name": "Neolife Tıp Merkezi",

"xcoor": 29.019872,

"ycoor": 29.019872,

"extent": {

"xmin": 41.07024396,

"ymin": 29.01970008,

"xmax": 41.07049398,

"ymax": 29.02006584

}

},

.

.

.

]

}

**floor (GET)**

URL: <urlprefix>/floor/1/venue/7000?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": {

"venueid": 7000,

"floor": 1,

"name": "Bodrum Kat",

"xcoor": 41.070353985,

"ycoor": 29.01987216,

"extent": {

"xmin": 41.07025197,

"ymin": 29.01970116,

"xmax": 41.070456,

"ymax": 29.02004316

}

}

}

**floors (GET)**

URL: <urlprefix>/floors/venue/7000?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": [

{

"venueid": 7000,

"floor": 3,

"name": "1.Kat",

"xcoor": 41.07037851,

"ycoor": 29.01990438,

"extent": {

"xmin": 41.07027699,

"ymin": 29.01976488,

"xmax": 41.07048003,

"ymax": 29.02004388

}

},

{

"venueid": 7000,

"floor": 4,

"name": "2.Kat",

"xcoor": 41.070381525,

"ycoor": 29.01989862,

"extent": {

"xmin": 41.07027501,

"ymin": 29.01975516,

"xmax": 41.07048804,

"ymax": 29.02004208

}

},

.

.

..

]

}

**area (GET)**

URL: <urlprefix>/area/7008?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": {

"id": 7008,

"name": "Teknik Oda",

"venueid": 7000,

"floor": 1,

"type": 0,

"subtype": 0,

"xcoor": 29.019906,

"ycoor": 29.019906,

"extent": {

"xmin": 41.07028401,

"ymin": 29.01989304,

"xmax": 41.070321,

"ymax": 29.01993192

}

}

}

**areas (GET)**

URL: <urlprefix>/areas/ venue/7000/floor/1?token=<token>

Method: GET

Post Data: <n/a>

Response:

{

"status": 0,

"data": [

{

"id": 7001,

"name": "Asansör",

"venueid": 7000,

"floor": 1,

"type": 0,

"subtype": 0,

"xcoor": 29.020022,

"ycoor": 29.020022,

"extent": {

"xmin": 41.07035502,

"ymin": 29.02001616,

"xmax": 41.07037203,

"ymax": 29.02002804

}

},

{

"id": 7041,

"name": "Asansör",

"venueid": 7000,

"floor": 1,

"type": 0,

"subtype": 0,

"xcoor": 29.019857,

"ycoor": 29.019857,

"extent": {

"xmin": 41.07033099,

"ymin": 29.019852,

"xmax": 41.07034098,

"ymax": 29.01986316

}

},

.

.

.

]

}

**Failure Responses:**

{

"status": -1,

"message": "Failure"

}

{

"status": -2,

"message": "Not found"

}

{

"status": -3,

"message": "Item number is incorrect"

}

{

"status": -4,

"message": "Input data error"

}

{

"status": -5,

"message": "Invalid resource: <resource name>"

}

{

"status": -6,

"message": "Illegal Json Object !"

}

{

"status": -7,

"message": "Illegal Method other than (GET,POST,PUT,DELETE) !"

}

{

"status": -9,

"message": "User failure"

}