obilet.com - Distribusion API Integration Document

This is the reference documentation for the bus journeys api request on obilet.com.

Topics covered in this section

obilet.com API Request Conventions

Following JSON template is posted to related endpoints (except GetSession request) in order to use API functions.

API ENDPOINT : https://v2-api.obilet.com/api

Method : POST

Request HttpHeaders

ApiClientToken required for consuming API functions will be provided by obilet.com technical team upon providing this documentation.

Key	Value
Content-Type	application/json
Authorization	Basic 'ApiClientToken'

Get Session

obilet.com API requires every consumer to generate a session before consuming other API functions. GetSession request returns a device-session pair that is required to consume the API endpoints that will be described later in the document.

End Point : /client/getsession

Request

```
{
   "type":7,
    "connection":{
        "ip-address":"145.214.41.21"
    },
    "application":{
      "version":"1.0.0.0",
      "equipment-id":"distribusion"
  }
}
```

Name	Default Value	Type	Description
type	7	int	Device type specific for distribusion api client.
ip-address		string	Your server's outbound Ip address.
version	1.0.0.0	string	Consumer platform version.
equipment-id	distribusion	string	Unique identifier that represents physical device (eg: application server) executing the API request.

Response

```
{
    "status": "Success",
```

```
        "data": {
            "session-id": "YeuGTbds4x9bqCvaKldsOkHuwRmUT4rQwmFqxWNxn
            "device-id": "iEINPA0TvN2+KuC8BS2c8heWIvdczuLvjcBxRY1a33
        },
        "message": null,
        "user-message": null,
        "api-request-id": null,
        "controller": null
}
```

Name	Type	Description
session-id	string	A token which represents current session
device-id	string	A token which represents current device

Base JSON structure for API requests

The following JSON is posted to other endpoints provided after a session is acquired from obilet.com API.

```
{
  "data": [
        ...
    ],
  "device-session": {
        "session-id": "YUXCG7WIFo5G5ZEGMF1LhlZ8IdihsXvLHj9h7Wk+k
        "device-id": "9+JDf6xuQqKo8xbPFyAz0d7vdZxNlU4wuuEivdv5GN
    },
  "date": "2019-01-25T10:34:00",
  "language": "en-EN"
}
```

Name	Default Value	Type	Description
data		object	JSON request data which is specific for each api endpoint (will be described below for each endpoint).
session-id		string	A token which represents current session

Name	Default Value	Type	Description
device-id		string	A token which represents current device
date		date	Request date
language	en-EN	string	Selected language

Base JSON structure for API response

JSON structure for bus locations & bus journey response

```
{
    "status": "Success",
     "data": [
        ...
    ],
    "message": null,
    "user-message": null,
    "api-request-id": null,
    "controller": "Location"
}
```

Name	Type	Description
status	ResponseStatus	Enumeration value representing the status of request made. (see Appendix A at the end of the document).
data	object	Specific JSON representing the data returned by the endpoint. (will be described below for each endpoint).
message	string	Error description for current response, if response status is not success.
user-message	string	User friendly message that explains current response status, if required.

Name	Type	Description
api-request-id	string	Unique identifier which represents current request made.
controller	string	Controller that generated current response.

Get Bus Locations

Returns list of possible bus locations that are eligible for bus journey search

EndPoint : /location/getbuslocations

Request

```
{
    "data":null,
    "device-session": {
        "session-id": "PaZpUgi6Tf6PHJZROpqfjche75yAB8on+UGPs4SA6
        "device-id": "dPAXTj7euMcXuYIBD87heiPzexz4DPKkapQWr2CvWY
    },
    "date":"2019-01-25T11:33:00",
    "language":"en-EN"
}
```

Name	Default Value	Type	Description
data		string (Optional)	Optional query string for filtering bus locations. Returns all possible locations if not provided.

Response

```
{
    "status": "Success",
    "data": [
        {
            "id": 349,
            "parent-id": 250,
            "type": "Town",
            "name": "İstanbul Avrupa",
```

```
            "geo-location": {
                "latitude": 41.0620024,
                "longitude": 28.8913871,
                "zoom": 12
            },
            "tz-code": "Turkey Standard Time",
            "weather-code": null,
            "rank": 1,
            "reference-code": null,
            "keywords": "Küçükköy Otobüs Kalkış-Varış Noktası Kı
        }
    ],
    "message": null,
    "user-message": null,
    "api-request-id": null,
    "controller": "Location"
}
```

Name	Type	Description
data	array	List of bus locations objects.
- id	int	Id of the location.
- parent-id	int (nullable)	Id of the hierarchical parent of the location, if any.
- type	string	Type of the location. (All bus locations represented in the system are of **Town** type)
- name	string	Name of the location that will be displayed to users.
- geo-location	array	The geo-coordinates of the location.
- latitude	double	The location's latitude.
- longitude	double	The location's longitude.
- zoom	string	Retuns the google maps default zoom level for displaying geo-coordinates of the location.

Name	Type	Description
- tz-code	string	Returns the time zone code of the location as specified in Microsoft Time Zone Index Values.
- weather-code	string	Weather code for the location.
- rank	int (nullable)	Display rank of the location, if any.
- reference-code	string	Reference code of the location.
- keywords	string	Keywords specified for the location.

Get Bus Journeys

Returns available bus journeys between origin and destination locations on a specific date.

End Point : /journey/getbusjourneys

Request

```
{
  "device-session": {
      "session-id": "PaZpUgi6Tf6PHJZROpqfjche75yAB8on+UGPs4SA6
      "device-id": "dPAXTj7euMcXuYIBD87heiPzexz4DPKkapQWr2CvWY
   },
  "date": "2019-25-01T10:34:00",
  "language": "en-EN",
  "data": {
    "origin-id": 349,
    "destination-id": 356,
    "departure-date": "2019-01-25T00:00:00"
  }
}
```

Name	Default Value	Type	Description
origin-id		int	Id of the origin location.
destination-id		int	Id of the destination location.
departure-date		int	Date for the bus journey (**YYYY-MM-DDThh:mm:ss**).

Response

```
{
"status": "Success",
"data": [
        {
            "id": 73083886,
            "partner-id": 330,
            "partner-name": "Metro Turizm",
            "route-id": 59275,
            "bus-type": "2+1",
            "total-seats": 41,
            "available-seats": 16,
            "journey": {
                "kind": "Bus",
                "code": "9064-ALIBEYKOY TESIS-ANKARA-20190112",
                "stops": [
                    {
                        "name": "Keşan Otogarı",
                        "station": "255",
                        "time": "2019-01-11T19:30:00",
                        "is-origin": false,
                        "is-destination": false
                    }
                ],
                "origin": "Alibeyköy Otogarı",
                "destination": "Ankara (Aşti) Otogarı",
                "departure": "2019-01-12T00:00:00",
                "arrival": "2019-01-12T07:00:00",
                "currency": "TRY",
                "duration": "07:00:00",
                "original-price": 100,
                "internet-price": 70,
                "booking": null,
```

```json
                    "bus-name": "SUIT",
                    "policy": {
                        "max-seats": null,
                        "max-single": null,
                        "max-single-males": null,
                        "max-single-females": null,
                        "mixed-genders": false,
                        "gov-id": true,
                        "lht": false
                    },
                    "features": [
                        "Kablosuz Internet (WiFi)",
                        "Koltuk ekraninda TV yayını",
                        "Enflasyonla Topyekûn Mücadele İçin %10 İndi
                    ],
                    "description": null,
                    "available": null
                },
                "features": [
                    {
                        "id": 26,
                        "priority": 1,
                        "name": "Enflasyonla Topyekûn Mücadele İçin
                        "description": null,
                        "is-promoted": false,
                        "back-color": null,
                        "fore-color": null
                    }
                ],
                "origin-location": "İstanbul Avrupa",
                "destination-location": "Ankara",
                "is-active": true,
                "origin-location-id": 349,
                "destination-location-id": 356,
                "is-promoted": false,
                "cancellation-offset": 9,
                "has-bus-shuttle": true,
                "disable-sales-without-gov-id": false,
                "display-offset": null,
                "partner-rating": 7.8
            }
        ],
        "message": null,
        "user-message": null,
        "api-request-id": null,
        "controller": "Journey"
}
```

Name	Type	Description
data	array	List of bus journey objects.
- id	string	Id of the journey. Used for redirecting users to obilet.com bus journey details page to display specific journey detail information page through the url pattern provided later in the document.
- partner-id	string	Id of the bus firm commissioning this journey.
- partner-name	int	Name of the bus firm commissioning this journey.
- route-id	int	Id of the corresponding route.
- bus-type	string	Seat layout type of the bus. (eg: 2+1, 2+2)
- total-seats	int	Total number of seats in the journey.
- available-seats	int	Number of available seats in the journey
- journey	object	
- kind	string	Kind of the journey (bus)
- code	string	code that uniquely identifies the journey to its provider
- stops	array	Array of all the bus stops that the journey travels.
- name	string	Name of the bus stop.
- station	int	Unique code of the bus stop if it is a station defined in obilet.com database.

Name	Type	Description
- datetime	string	DateTime specifying the time when the bus stops at this location.
- is-origin	bool	A value indicating whether the stop represents the requested origin station.
- is-destination	bool	A value indicating whether the stop represents the requested destination station.
- origin	string	Name of the origin stop of the journey.
- destination	string	Name of the destination stop of the journey.
- departure	datetime	Departure time of the journey.
- arrival	datetime	Arrival time of the journey.
- duration	timespan	Duration of the journey (Hour HH:MM:SS).
- currency	string	ISO 4217 code of the accepted currency for buying tickets of the journey.
- original-price	decimal	Original listing price of the journey.
- internet-price	string	Internet listing price of the journey.
- booking	array	Booking rules specified for the journey.
- bus-name	string	Brand and model of the physical bus, if specified.
- policy	array	Layout policy providing the seating rules.

Name	Type	Description
- max-seats	int (nullable)	Maximum number of seats that can be booked or purchased in a single transaction.
- max-single	int (nullable)	Maximum number of single seated passengers allowed in the bus.
- max-single-males	int (nullable)	Maximum number of single seated male passengers allowed in the bus.
- max-single-females	int (nullable)	Maximum number of single seated female passengers allowed in the bus.
- mixed-genders	bool	A value indicating whether male and female passengers are allowed to seat on adjacent seats.
- gov-id	bool	A value indicating whether the national identification numbers of the passengers are required during transaction.
- lht	bool	A value indicating whether the bus operates on the left-hand traffic, which means the lane designated for normal driving is on the right.
- features	array	Codes of the bus features (eg: WiFi) specified for the journey.
- description	string	Textual description for journey, if available.
- features	array	Names and descriptions of bus features for this journey.
- id	int	Id of bus feature.
- priority	byte (nullable)	Display priority of bus feature.
- name	string	Name of bus feature.

Name	Type	Description
- description	string	Description of bus feature.
- is-promoted	bool	A value indicating whether the bus feature is promoted.
- back-color	string	Background color of a promoted bus feature in HEXA, RGBA or HSLA format.
- fore-color	string	Background color of a prooted bus feature in HEXA, RGBA or HSLA format.
- origin-location	string	Name of the origin location.
- destination-location	string	Name of the destination location.
- is-active	bool	A value indicating whether the journey is active.
- origin-location-id	int	Id of the origin location.
- destination-location-id	int	Id of the destination location.
- is-promoted	bool	A value indicating whether the bus firm commissioning the journey is promoted by oBilet.
- cancellation-offset	int (nullable)	Time, in hours, before the journey's departure time tickets purchased can be cancelled.
- has-bus-shuttle	bool	A value indicating whether the current partner has shuttle for given location.

Name	Type	Description
- disable-sales-without-gov-id	bool	A value indicating whether bus firm prevents sale transactions for passengers without a valid gov id.
- display-offset	timespan	Timespan which represents the latest time journey is eligible to be displayed in the result list before the journey's departure time.
- partner-rating	decimal (nullable)	Rating average for this bus firm in last thirty days.

Bus Journey Listing & Bus Journey Details Redirection?

Distribusion is required to redirect users to obilet.com web application whenever a customer attempts to purchase a ticket for a specific journey.

Journey Listing & Details Url Pattern: https://www.obilet.com/seferler/{{origin-id}}-{{destination-id}}/{{departure-date}}/{{journey-id}}

origin-id: Id of the selected journey's origin bus location.

destination-id: Id of the selected journey's destination bus location.

departure-date: Departure date for the query (**YYYY-MM-DD**).

journey-id: (Optional) Id of the selected journey. If provided, bus journey with given id is selected on page load. If not provided, all available journeys are listed.

Example Redirection URL's:

Journey Detail Display Redirection URL: https://www.obilet.com/seferler/383-356/2019-02-01/72893361

Journey List Redirection URL: https://www.obilet.com/seferler/383-356/2019-02-01

How to access bus firm logo's?

Partner Logo Url Pattern: https://s3.eu-central-1.amazonaws.com/static.obilet.com/images/partner/{{partner-id}}-sm.png

Example : https://s3.eu-central-1.amazonaws.com/static.obilet.com/images/partner/330-sm.png

partner-id : **partner-id** field for each bus journey returned from location/getbusjourneys endpoint.

How to access features icons of bus firm's?

Bus Feature Icon Url Pattern: https://s3.eu-central-1.amazonaws.com/static.obilet.com/images/feature/{{feature-id}}.svg

Example: https://s3.eu-central-1.amazonaws.com/static.obilet.com/images/feature/26.svg

feature id : **id** field for each bus-feature element returned from journey/getbusjourneys endpoint.

Appendix A - Possible ResponseStatus Values & Descriptions

Status	Description
Success	The request has been executed successfuly and the data field contains related json object for given a given request.
InvalidDepartureDate	Departure date specified in getjourneys request is invalid (eg: a passed has been queried).
InvalidRoute	Locations represented by origin-id or destination-id does not have an active bus route between them.
InvalidLocation	An invalid location id has been used as origin-id or destination-id parameters.
Timeout	Operation has timed out.