

TravelAps - Generic Data API Documentation

1. General Information

- Return types of this API are JSON
- Date and Time format is ISO 8601 like yyyy-MM-dd hh:mm
- Unless the otherwise is specified for you, endpoint URL is same for all actions:
<https://nodejs.hoteladvisor.net:3001/>
- Only POST requests are supported
- LoginToken's are only valid for the date you retrieved them.
- Possible Actions are:
 - Select
 - Execute
 - Insert
 - Update
 - Delete
 - Login
 - GetConfig
 - SetConfig
 - ListConfig
 - Schema
 - Function
 - GetLog
 - GetReportConfig
- Possible generic exceptions you can receive from the service:

HTTP CODE	MESSAGE	WHAT TO DO
401	"Your login token is invalid, you must login again"	You need to login again and use your new login token next time
403	"You do not have permission to `SetConfig` on `RezervasyonEkranı`."	Although your login token is valid, your user is not authorized to perform the action on the specified object. Do not retry.
400	"The Action you requested is invalid, possible values are: Function,Select,Execute,Insert,Update,Delete,Login,GetConfig,SetConfig"	Only possible actions are the ones that are provided in the response, please use one of those.
404	"Requested database object was not found!"	The "Object" you requested to manipulate does not exist in the database. Please try some other object.
500	"Some error message"	These kinds of errors come from the database itself. Try again or report your whole request to the support email address.

2.Login

Explanation: This request is required for all other Actions to work. In the response when Success is true, LoginToken must be stored at your side until the end of the date it was retrieved. Tenant must be left empty for superadmin users. For any other user Tenant must be provided.

Example Request (POST):

```
{
  "Action": "Login",
  "Tenant": "3",
  "Usercode": "pmsuser",
  "Password": "pms123"
}
```

Example Response:

```
{
  "Success": true,
  "LoginToken": "d1e2467a36b64e6fc0e079495c8c418dbdff960dd90a64d3e7bd074bdf4c421c948dc96fa520a32",
  "RoleName": "GENEL",
  "AdminLevel": 99,
  "TenantColumn": "HOTELID",
  "TenantTable": "VW_HOTEL",
  "Tenancy": {
    "STDUSERID": 59,
    "SUBEID": 3
  }
}
```

3.Select

Explanation: This request requires a valid login token. "Object" must be either a database table or a database view. "Select", "Where", "OrderBy" attributes are optional. If you want to retrieve total amount of rows available, you must send TotalCount as true. If you want to retrieve the column types as well, you must send DataTypes to be true. Possible Where operators are: "=", "<>", ">", "<", ">=", "<=", "IS NULL", "IS NOT NULL", "LIKE", "NOT LIKE", "IN", "NOT IN"

Example Request (POST):

```
{
  "LoginToken" : ".....",
  "Action": "Select",
  "Object": "PACKAGETOUR",
  "Select": ["PORTALID", "NAME", "SELLFROM"],
  "Where": [
    {"Column": "ID", "Operator": "IN", "Value": [4000,5000,6000], "IsNull": "0" },
    {"Column": "NAME", "Operator": "LIKE", "Value": "Anta%"}
  ],
  "OrderBy": [
    {"Column": "PORTALID", "Direction": "DESC"}
  ],
  "Paging": {
    "Current": 1,
    "ItemsPerPage": 1
  },
  "TotalCount": true,
  "DataTypes": true,
  "Joins": [
    { "Object": "PORTAL", "Key": "ID", "Fields": ["DOMAIN", "PHONE"], "Field": "PORTALID", "FromAlias": "R", "Alias": "P" }
  ]
}
```

Example Response:

```
{
  "DataTypes": [
    {
      "Name": "NAME",
      "Type": "nvarchar"
    },
    {
      "Name": "PORTALID",
      "Type": "int"
    },
    {
      "Name": "SELLFROM",
      "Type": "date"
    }
  ],
  "TotalCount": 22,
  "ResultSets": [
    [
      {
        "PORTALID": 257,
        "NAME": "Antalya Aqualand",
        "SELLFROM": "2018-04-02T00:00:00.000Z",
        "P_DOMAIN": "www.yeop.com",
        "P_PHONE": "0 (242) 111 22 33"
      }
    ]
  ]
}
```

4.Insert

Explanation: This request requires a valid login token. "SelectAfterInsert" is optional, some triggers might change some other values after the insert. Therefore, if you want to make sure you have the latest version of the object you have just inserted, you are advised to use "SelectAfterInsert".

Example Request (POST):

```
{
  "LoginToken" : ".....",
  "Action": "Insert",
  "Object": "HOTEL_ROOMTYPE",
  "Row": {
    "ROOMTYPENAME": "Standart Oda Kara Manzarali",
    "ROOMTYPECODE": "STDK"
  },
  "SelectAfterInsert": ["HOTELID", "ROOMTYPENAME", "ID"]
}
```

Example Response:

```
{
  "Success": true,
  "PrimaryKey": 386014,
  "Row": {
    "HOTELID": 8000,
    "ROOMTYPENAME": "Standart Oda Deniz",
    "ID": 386014
  },
  "Message": "OK"
}
```

5.Update

Explanation: This request requires a valid login token. "SelectAfterUpdate" is optional, some triggers might change some other values after the update. Therefore, if you want to make sure you have the latest version of the object you have just manipulated, you are advised to use "SelectAfterUpdate".

Example Request (POST):

```
{
  "LoginToken" : ".....",
  "Action": "Update",
  "Object": "HOTEL_ROOMTYPE",
  "Row": {
    "ID" : 386012,
    "ROOMTYPENAME": "Standart Oda Kara Manzarali3",
    "HOTELID": "0"
  },
  "SelectAfterUpdate": ["ID","ROOMTYPENAME"]
}
```

Example Response:

```
{
  "Success": true,
  "Row": {
    "ID": 386012,
    "ROOMTYPENAME": "Standart Oda Kara Manzarali3"
  },
  "Message": "OK",
  "RowsAffected": 1
}
```

6.Delete

Explanation: This request requires a valid login token.

Example Request (POST):

```
{
  "LoginToken" : ".....",
  "Action": "Delete",
  "Object":"HOTEL_ROOMTYPE",
  "Keys": ["1","2","3"]
}
```

Example Response:

```
{
  "Success": true,
  "Message": "OK",
  "RowsAffected": 0
}
```

7.Execute

Explanation: This request requires a valid login token.

Example Request (POST):

```
{
  "LoginToken" : ".....",
  "Action": "Execute",
  "Object": "SP_PORTAL_PLACELIKE",
  "Parameters": {
    "PORTALID" : 1,
    "keyword": "antalya",
    "HOTEL": true,
    "CITY": true
  }
}
```

Example Response:

```
/*Resulting Datasets Array*/
[
  /*Dataset-1*/
  [
    /*Row-1 of Dataset-1*/
    {
      "COLUMN1": "VALUE1",
      "COLUMN2": "VALUE2"
    },
    /*Row-2 of Dataset-1*/
    {
      "COLUMN1": "VALUE1",
      "COLUMN2": "VALUE2"
    }
  ],
  /*Dataset-2*/
  [
    /*Row-1 of Dataset-2*/
    {
      "COLUMN1": 8000
    }
  ]
  /*Dataset-n*/
]
```

8.GetConfig

Explanation: This request requires a valid login token.

Example Request (POST):

```
{
  "LoginToken" : ".....",
  "Action": "GetConfig",
  "ConfigName": "rez-beklenen.config"
}
```

Example Response:

```
{
  "yourAttribute": "yourValue"
}
```

9.SetConfig

Explanation: This request requires a valid login token. NewValue can either be a stringified or not.

Example Request (POST):

```
{
  "LoginToken" : "...",
  "Action": "SetConfig",
  "ConfigName": "RezervasyonEkranı",
  "NewValue": "{ \"Width\": \"400px\" , \"Aciklama\" : \"configin icerigi, burasi string olmalı..\" }"
```

Example Response:

```
"OK"
```

10.Schema

Explanation: This request requires a valid login token.

Example Request (POST):

```
{
  "LoginToken" : "...",
  "Action": "Schema",
  "Object": "APPCARD_VIRTUAL"
}
```

Example Response:

```
[
  {
    "Name": "ID",
    "Type": "int",
    "IsIdentity": true, /*Means this columns value is auto-increment*/
    "IsNullable": false, /*Means you cannot send null to this column*/
    "HasDefault": false, /*Means if you do not explicitly send null to this column, default value will be populated*/
    "IsPrimaryKey": true /*Means this column is the primary key column of the table*/
  },
  {
    "Name": "BALANCE",
    "Type": "float",
    "IsComputed": true,
    "IsNullable": false,
    "HasDefault": false
  },
  {
    "Name": "BALANCETEXT",
    "Type": "varchar",
    "IsComputed": true, /*Means this columns value is calculated by server and this column cannot be updated*/
    "IsNullable": true,
    "HasDefault": false,
    "MaxLength": 2 /*For char type columns, maximum string length is returned*/
  }
]
```

11.Function

Explanation: This request requires a valid login token. Null value will be sent to the database for the parameters that exists in the function definition but missing in the request. Scalar valued functions will return their value in the column named **“Return”** in the first row of the first dataset.

Example Request (POST):

```
{
  "LoginToken" : "...",
  "Action": "Function",
  "Object": "FN_PORTAL_HOTELCOMBPRICES31",
  "Parameters": {
    "HOTELID" : 2222,
    "CHECKIN": "2019-01-01",
    "CHECKOUT": "2019-01-02",
    "ROOM": 1,
    "ADULT": 2,
    "CURRENCYCODE": "TRY"
  }
}
```

Example Response:

```
[
  [
    {
      "HOTELID": 2222,
      "CHECKIN": "2019-01-01T00:00:00.000Z",
      "CHECKOUT": "2019-01-02T00:00:00.000Z",
      "ROOMCOUNT": 1,
      "ADULT": 2,
      "CHILDAGES": "",
      "ELDERCHILD": 0,
      "YOUNGERCHILD": 0,
      "BABY": 0,
      "ROOMTYPEID": 386029,
      "BOARDTYPEID": 38755,
      "RATETYPEID": 17062,
      "DISCOUNTCOMBID": null,
      "PRICES_HOTELIER": "10+0",
      "PRICES_CONTRACT": "10+0",
      "PRICES_FINAL": "10+0",
      "PRICES_DISCOUNTS": "0+0",
      "PRICES_AVAILABILITY": "17+1",
      "PRICES_CONTRACTID": "-221109960+0",
      "PRICES_QUOTANOS": "0+0",
      "BASECURRENCYID": 142,
      "TARGETCURRENCYID": 142,
      "CURRENCYRATE": 1,
      "TOTAL_FINAL": 10,
      "TOTAL_DISCOUNT": 0,
      "TOTAL_CONTRACT": 10,
      "ISAVAILABLE": true,
      "UNAVAILABLEREASON": "",
      "PORTALID": 1,
      "MARKETID": null,
      "TOTAL_HOTELIERMONEY": 10,
      "IPADDRESS": null,
      "TOTAL_COMMISSION": 0,
      "HOTELMARKETID": null,
      "DISCNAME": null,
      "AVAILABLE": 1
    }
  ]
]
```

12.SchemaList

Explanation: This request requires a valid admin login token and returns the list of available objects in the database by their names and types.

Example Request (POST):

```
{
  "Action": "SchemaList",
  "LoginToken": "..."
}
```

Example Response:

```
[
  {
    "Name": "STDLANGUAGE",
    "Type": "TB" /*Table*/
  },
  {
    "Name": "QA_STDEXCHANGERATESFORPORTAL",
    "Type": "VW" /*View*/
  },
  {
    "Name": "FN_CHILDAGES",
    "Type": "FN" /*Scalar-Valued-Function: only returns one row with one column named "Return"*/
  },
  {
    "Name": "FN_FASTSPLIT",
    "Type": "IF" /*Inline-Table-Valued-Function: Returns the result of the table, depends on the table columns*/
  },
  {
    "Name": "FN_PORTAL_FLIGHT_PRICE",
    "Type": "TF" /*Table-Valued-Function: Returns a result of a predefined table type*/
  },
  {
    "Name": "SP_PORTAL_FIND_HOSPITAL",
    "Type": "SP" /*Stored Procedure: Might return multiple datasets*/
  }
]
```

13.ListConfig

Explanation: This request requires a valid login token. As a result it returns the list of configuration data in the framework database.

Example Request (POST):

```
{
  "LoginToken" : "...",
  "Action": "ListConfig"
}
```

Example Response:

```
[
  {
    "KEY": "grid.HOTEL_RES_MONITORING_ListView.config",
    "CREATEDATE": "2018-11-28T05:29:02.787Z"
  },
  {
    "KEY": "grid.BASKET_PROFILE_ListView.config",
    "CREATEDATE": "2018-11-28T05:32:38.443Z"
  },
  {
    "KEY": "menu",
    "CREATEDATE": "2018-11-28T05:09:57.340Z"
  },
  {
    "KEY": "record.APPCARD_VIRTUAL_ListView.config",
    "CREATEDATE": "2019-01-16T07:49:25.457Z"
  },
  {
    "KEY": "record.APPCARD_VIRTUAL_ListViewcan.config",
    "CREATEDATE": "2019-01-16T07:34:45.197Z"
  }
]
```

14.GetLog

Explanation: This request requires a valid login token. As a result it returns the list of log records affecting the record requested.

Example Request (POST):

```
{
  "LoginToken" : "...",
  "Action": " GetLog",
  "Object": "HOTEL_RES",
  "PrimaryKey": "123"
}
```

Example Response:

```
{
  "TotalCount": 3,
  "ResultSets": [
    [
      {
        "USERID": "gercekadmin",
        "ACTION": "Insert",
        "LOGTIMEUTC": "2019-02-14 12:36:00.430",
        "IPADDRESS": "10.8.0.2",
        "BODY": "{\"SECTIONSTR\": \"Rezervasyon\", \"KEYNAME\": \"asd\", \"VALUESTR\": \"123\"}"
      },
      {
        "USERID": "gercekadmin",
        "ACTION": "Update",
        "LOGTIMEUTC": "2019-02-14 12:36:08.053",
        "IPADDRESS": "10.8.0.2",
        "BODY": "{\"VALUESTR\": \"1234\", \"CONFIGID\": 2056}"
      },
      {
        "USERID": "gercekadmin",
        "ACTION": "Delete",
        "LOGTIMEUTC": "2019-02-14 12:36:14.523",
        "IPADDRESS": "10.8.0.2",
        "BODY": "[2056]"
      }
    ]
  ]
}
```

15.GetReportConfig

Explanation: This request requires a valid login token. As a result it returns the configuration required for reporting.

Example Request (POST):

```
{
  "Action": "GetReportConfig",
  "LoginToken": "....."
}
```

Example Response:

```
{
  "Success": true,
  "DatabaseName": "ELEKTRAV5",
  "UserName": "gercekadmin",
  "OverrideParameters": {
    "STDUSERID": "59",
    "SUBEID": 3
  }
}
```