

Lidkoping SH API

Overview

This API has the following methods:

- **getUpdates** - Retrieves existing orders.
- **postOrder** - Update an existing order.
- **getApikey** - Obtain an apikey using your credentials.
- **insertOrder** - Insert a new order.

Call this web service with the following url format:

`http://[webapiurl]/api/[methodName]`

Request Header

This data must be included in the request HTTP header.

Authentication

An API key must be passed as a request header in the following format.

Header name	Argument
Lidkopingsh-Apikey	(required) API key as a string Example Lidkopingsh-Apikey: 123456789qwertyuiop

Content-Type

Header name	Argument
Content-Type	(required) application/x-www-form-urlencoded

Generic response

All methods return a response with the following format:

```
{  
  "success": true  
  "message": "",  
  "errorCode": 0,  
  "results": null  
}
```

Field name	Argument
------------	----------

success	(required) boolean. Whether the request is successful. If success is <i>false</i> , an error message and error code is returned in <i>message</i> respective <i>errorCode</i> fields.
message	(optional) string. Contains an error message if this exists.
errorCode	(optional) integer. Corresponds a specific error. See documentation <i>Error messages</i> .
results	(optional) dynamic. The type of this field is dependant of the requested method.

Methods

getUpdates (GET/POST)

Data via POST

Parameter name	Argument
data	<p>(optional) JSON 2-dimentional array, where each element contains:</p> <ul style="list-style-type: none"> Order ID (int) Timestamp, last updated time in milliseconds since Unix Epoc (long) <p>The orders in central database that matches elements in this array, i.e. has the correct order ID and a 'last updated time' equal to (or newer than) the timestamp argument, are excluded from the response.</p> <p>The purpose of this parameter is to just get updates from orders that are outdated on the client.</p> <p>Example data=[[2,1380885442000],[1,1380616350928]]</p>

Response

The result field of response contains an array of JSON Orders. Se JSON Order in Appendix I.

insertOrder (POST)

Data via POST

Parameter name	Argument
data	(required) All order information in JSON format. See Appendix I. Parameters named "id" are ignored in this

postOrder (POST)

Data via POST

Parameter name	Argument
data	(required) All order information in JSON format. See Appendix I.

getApikey (Post)

Used to get an Apikey. Use on e.g. a new installation.

When obtaining an Apikey, you (obviously) don't have to provide an Apikey, instead you use your credentials in the HEADER.

Data via HEADER

Header name	Argument
Lidkopingsh-Username	(required) Used to specify your username Example Lidkopingsh-Username: test
Lidkopingsh-Password	(required) Used to specify your password Example Lidkopingsh-Password: test
Lidkopingsh-Deviceid	(required) Used to specify unique id for an Android device Example Lidkopingsh-Password: asdf

Data via POST

Parameter name	Argument
expires	(optional) Used to specify the expiration time of the generated apikey. An integer formatted in UNIX Time . If this variable is not specified, a standard expiration time is set according to your accesslevel. If an expiration time is less or greater than accepted values, the corresponding max/min value will be set. Example expires=1381868059

Response

The API key is returned in the **message** field, if request was successful.

Error responses

Error code	Error message	Description
	General	
10	Provided action ([action name]) does not exist.	Check if the specified action is correct.
11	Specify your action in the URL.	No action was specified for the request.
12	No data provided.	Check that header Content-Type is 'application/x-www-form-urlencoded'.
	Input validation	
20	JSON data was not valid, when trying to decode request data.	It may be a syntax error in your JSON, try validate JSON text.
21	Array element at index [i] does not contain two values.	In getUpdates data input. Array format is not correct. Element does not contain only Id and timestamp.
22	Missing or invalid argument(s) for order at index [i].	At least one of the two arguments in this element is missing or an empty value (0, "", null, false).
23	Not numeric argument(s) for order at index [i].	At least one of the two arguments in this element is not a numeric value.
24	Missing required field: [field name] ([more info])	More info describes where the error occurs, i.e. in which object or array.
25	Empty required field: [field name] ([more info])	More info describes where the error occurs, i.e. in which object or array.
	Authentication	

41	Apikey is invalid or outdated, or specified device id is not correct. Try again. Please honor the exponential back off.	The used Apikey is not valid. It may be mistyped or outdated, or your device id does not match the device id we gave the Apikey to. If you cant use your Apikey, please obtain a new one.
42	No apikey or no deviceid specified, try again.	You havn't provided any Apikey or device id in your request.
43	Your credentials are not valid, please try again. Please honor the exponential back off.	Check spelling on both username and password
44	Your havn't specified any credentials, please try again.	
45	You have connected to many time with the wrong Apikey, please honor the exponential back off.	

[i] is a zero-based integer, describing index in an array.

Appendix I - Order JSON format

Note: **insertOrder** does not use any IDs.

```
{
  "id":1,
  "timeCreated":"1380616350928",
  "lastTimeUpdate":"1380616350928",
  "cemetery":"Cemetery",
  "deceased":"Test Testsson",
  "orderDate":"1380616350928",
  "orderNumber":"130001",
  "idName":"O.S.",
  "cemeteryBoard":"Board",
  "cemeteryBlock":"Block",
  "cemeteryNumber":"123",
  "archived":false,
  "cancelled":false,
  "customer":{
    "title":"Mr",
    "name":"Test Person",
    "address":"Address",
    "postAddress":"123 45 Ankeborg",
    "eMail":"email@test.com",
    "id":1
  },
  "images":[
    {
      "id":4,
      "imagePath":"13\\130001_1.png"
    }
  ],
  "products":[
    {
      "id":1,
      "materialColor":"Hallandia",
      "description":"Description",
      "frontWork":"Polerad",
      "type":{
        "id":1,
        "name":"Stone"
      },
      "stoneModel":"NB 49",
      "sideBackWork":"R\\u00e5huggen",
      "textStyle":"Helvetica nedhuggen i guld",
      "ornament":"Blomma nedhuggen i guld",
      "tasks":[
        {
          "status":1,
          "station":{
            "id":1,
            "name":"S\\u00e5gning"
          }
        }
      ]
    }
  ],
}
```

```
{
  "status":1,
  "station":{
    "id":2,
    "name":"R\u00e5huggning"
  }
}
],
{
  "id":2,
  "materialColor":"Hallandia",
  "description":"Sockel under mark",
  "frontWork":"Polerad",
  "type":{
    "id":3,
    "name":"Socle"
  },
  "tasks":[
    {
      "status":1,
      "station":{
        "id":1,
        "name":"S\u00e5gning"
      }
    }
  ]
}
]
```