The API guide

Contents

IOF Eventor

Purpose

API is an acronym for Application Programming Interface, which can be described as a set of rules for how particular software can communicate with other software. Using IOF Eventor's API, other computer systems can read IOF Eventor information, which can then be presented on, for example, federation´s websites.

The International Orienteering Federation hopes that the availability of information leads to creative developers create useful services and applications that all orienteers and clubs can enjoy and benefit from.

User terms for IOF Eventor's API

To maintain a high quality of the services IOF Eventor offers, it is necessary that the API is used in accordance with the terms set out below. As a user you agree to follow these terms. International Orienteering Federation reserves the right to suspend federations and / or clubs that obviously violates these terms and conditions.

Cache frequently used data

In order to maintain high performance of the IOF Eventor server, data to be collected frequently, should if possible be cached on the client side.How long the caching time should be, varies with the nature of the information. If, for example, the club members are retrieved, it is enough to do it once a day. The rule of thumb is to conserve resources. All requests via the API are logged and action will be taken if there are high amounts of traffic to a single API key.

Be careful with the API key

The API key is considered as a valuable document and should be handled with care. Leave, for safety reasons, never this to anyone else. If the API key is suspected of having been on the wrong track, you should generate a new key.

The information model can change

Current information model in the form of an XML schedule is available at https://eventor.orienteering.org/api/schema. This information model will be updated regularly. The ambition is that the updates will be backward compatible as far as possible, but the International Orienteering Federation reserves the right without notice to introduce non-backwards-compatible changes in the data model.

REST interface

IOF Eventor's API uses a REST interface. This means that a call to the API methods is sent over the Internet via HTTP requests to IOF Eventor's API server (https://eventor.orienteering.org/api/). In principle, any programming language can be used to communicate over HTTP with the API server.

API method
A list of all API methods is available on https://eventor.orienteering.org/api/documentation. This list is updated as new methods are added.
All methods addresses beginning with https://eventor.orienteering.org/api/

IOF Eventor

Information model

The information model to be used is available as a XML schedule found in https://eventor.orientering.se/api/schema. Note that this schedule also contains data structures to be used internally in IOF Eventor and are not exposed via the API. Using code generation tools, based on the XML schedule, data structures / classes can be created for the desired programming language.

API key

In order to retrieve data via IOF Eventor's API, a key which consists of a 32-character long string is required. The key can be generated by the federation administrator /club administrator in IOF Eventor. The key will be sent via the HTTP header of each call as follows:
ApiKey: 058b7db0e5714f779d8821e7fbcd0307

Code samples

Here is sample code for downloading all events in April 2014 for some of the most common web programming languages. Remember to replace the API key of your own.

PHP

```
// cURL används, se http://www.php.net/manual/en/book.curl.php
$baseUrl = "https://eventor.orienteering.org/api/";
$ch = curl_init();
curl_setopt($ch, CURLOPT_URL,
        $baseUrl . "events?fromDate=2014-04-01&toDate=2014-04-30");
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
        array("ApiKey: 058b7db0e5714f779d8821e7fbcd0307"));
$responseString = curl_exec($ch);
curl_close($ch);
```

C#/.NET

```
var baseUrl = "https:// eventor.orienteering.org /api/";
var client = new System.Net.WebClient();
client.Headers.Add("ApiKey", "058b7db0e5714f779d8821e7fbcd0307");
var bytes = client.DownloadData(baseUrl +
  "events?fromDate=2014-04-01&toDate=2014-04-30");
var responseString = System.Text.Encoding.UTF8.GetString(bytes);
```

Support
International Orienteering Federation has no ability to provide technical support for the API.