TI-Planet API   *Version 1.0*

Introduction

First, we'd like to thank you for your interest in the TI-Planet API ; we can't wait to see what you'll create!

Here are a few things you should know before getting to the heart of the matter.

- **API Key** : Like many other APIs, ours too needs you to provide your unique API Key in order to function, in each request. You can obtain one by emailing us (info@tiplanet.org) and tell us in a few words what you're going to do with the API.
- **Protocol & URL** : The API is located at `tiplanet.org/api.php` , accessible in HTTP or HTTPS.
- **HTTP methods** : The API accepts both GET and POST HTTP requests. *For the sake of clarity, the documentation will be using GET methods.*
- **"Fair use"** : We'd like you to use the API responsibly and reasonably. And don't be evil ;-)
- **Legal** : The TI-Planet API is "as is" with no express or implied warranty for accuracy or accessibility.

Request types

The API provides 2 types of requests : searching for archives and getting information on an archive.
To chose between those two, specify the type in a "**req**" (request) parameter:

- …&req=**search**   for an archive search request
- …&req=**info**   for an archive information request

Archive search

In order to search within the TI-Planet archives, you can use one or several of the following filters :

- …&req=search&**title**=XXXX   for filtering by the title of the archives
- …&req=search&**author**=XXXX   for filtering by name of the archives' author(s)
- …&req=search&**platform**=XXXX   for filtering by the platform of the archives

*Note : filtering by platform **requires** having filtered by title or author (or both).*

Archive information

In order to retreive information about a specific archive , you must provide the "**arcID**" parameter:

- …&req=info&**arcID**=XXXX   "arcID" being the TI-Planet archive ID

Note : the 'arcID' value is a positive integer.

Output format

The API provides 3 output formats: JSON (default and recommanded), XML, or as a PHP serialized-array.
To chose between those three, specify the type in an "**output**" parameter :

- …&output=**xml**   for a XML (1.0 valid) response (*application/xml*)
- …&output=**php**   for a PHP serialized-array response (*application/vnd.php.serialized*)
- …&output=**json**   *(default – not needed)* (*application/json*)

Note : 'phpdebug' is also available for debugging purposes, which outputs the response with print_r().

Response

A response is given when both the API key and the request are valid. It contains the following elements:

Request-related fields

Ever response will contain the 3 following fields :

- `Status`   either `0` (OK) or the error code   (integer)
- `Message`   details about the Status   (string)
- `Results`   the number of results   (integer)

Note : An additional "Alert" field will be added in case of an unrecognized output format variable, with a "Unrecognized output type 'xxxxx' ; defaulting to json." message.

Possible error codes with their corresponding messages, by order of importance :

- ` 1 :` `"No API key given !"`
- ` 2 :` `"Invalid API key !"`
- `10 :` `"No request type given !"`
- `11 :` `"Unrecognized request type : 'xxxxx' !"`
- `20 :` `"Neither 'name' nor 'author' parameter given !"`
- `30 :` `"No arcID given !"`
- `31 :` `"The archive does not exist !"`
- `32 :` `"The archive is private !"`

Result(s) of the request

The results are outputted as indexed arrays (json/php) or within a "Result*X*" tag (XML), containing all or a subset of the following keys/values (json/php) or tags (XML), which depend on the request type:

Archive search request

`"arcID"`, `"title"`, `"platform"`.

Archive information request

`"arcID"`, `"title"`, `"upload_date"`, `"author"`, `"category"`, `"screenshot"`, `"url"`, `"dlcount"`, `"nspire_os"`, `"license"`, `"platform"`, `"page"`.

Note : author and category can be arrays of strings if there are multiple authors or categories.

Examples

Searching for all archives by "Adriweb" on the z80 platform, with XML output :

http://tiplanet.org/api.php?key=XXXXXXX&req=search&author=Adriweb&platform=z80&output=xml

Getting information about the archive with ID 6034 :

http://tiplanet.org/api.php?key=XXXXXXX&req=arc&arcID=6034

Feedback

A question ? A bug report ? A feature request ? We do welcome any feedback, of course :-)
You can post on our forum or drop us an email (info@tiplanet.org).