

TI-Planet API

Version 1.1

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.
- **URL & Protocol** : 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 would like you to use the API responsibly and reasonably - 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=arc** 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&name=XXXX** for filtering by the name 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

Archive information

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

...&req=info&arcID=XXXX "arcID" being the TI-Planet archive ID (integer >0)

Output format

The API provides 3 output formats: JSON (default and recommended), 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()`.

Note : gz-compression can be enabled by passing **...&gz=1** (disabled by default).

Response

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

Request-related fields

Every 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' nor 'platform' parameter given !"
- 30 : "No archive id ('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 "ResultX" 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", "name", "platform".

Archive information request :

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

Note : The 'author', 'platform' and 'category' fields are arrays of string(s).

Examples

Searching for all archives by author "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 (json output) :

<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).