

API reference

Version 1 API

API endpoint : <https://api.eze.io/v1>

Credentials

API credentials must be created for the account. The credentials consists of an ID number and a 24 character key. Please keep the API credentials secret.

All API calls require authentication using Digest Auth (RFC 2617). The API ID number shall be used as the Digest Auth Username, and the API key shall be used as the Password.

All API calls require HTTPS using TLS v1.2 or TLS v1.3. Calls via unencrypted HTTP are not allowed.

All API calls return data encoded in JSON. The response include the time of the request (reqtime) and a result code in (status). If the call was successful, the status will be "OK". If there was an error, status will be a string detailing the error.



This section contains example code in PHP, however most development frameworks and languages can be used to interface to the ezeio API. There is no dependency on any special language or operating system.



Please note that using the API requires knowledge in programming and standard web technologies. eze System is happy to support with specifics related to the API, but we can't teach programming.

Available API functions

- [control](#)
- [eventlog](#)
- [group](#)
- [samplelog](#)
- [status](#)
- [subscribe](#)
- [syslog](#)

API fair use

The API functionality is a shared resource, and as such requires 'good behavior' from those that use it. Access to the API features are logged and monitored by eze System, and if we detect inefficient or for any reason concerning usage we will contact the user and/or suspend the IP/access key until the problem is resolved.

The API also implements flood control counters to limit excessive calls as follows;

- Per 60 seconds : 100 API calls per key
- Per 24 hours : 50000 API calls per key

If these limits are exceeded, an error is returned. The counters are automatically reset at the end of the interval.

Example code

This example shows how to call the “syslog” API endpoint using PHP.

[ezeioAPIexample.php](#)

```
<?php
define("APIURI", "https://api.eze.io/v1/syslog");

// API keyID and key needs to be set up in eze.io under Groups->API.
define("APIKeyID", "00000");
define("APIKey", "12345abcde12345abcde12345abcdeff");

$params = array(
    "ABC000",           // ezeio serial
    "from=2021-11-01",  // start of data
    "to=2021-11-10",    // end of data
    "fields=1,12,cRSSI", // list of fields we care about
    "1h",               // 1h interval data..
    "mean"              // ..as averages
);

// Set up cURL
$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, APIURI."/".implode("/", $params));

// All API calls use Digest AUTH
curl_setopt($ch, CURLOPT_HTTPAUTH, CURLAUTH_DIGEST);
curl_setopt($ch, CURLOPT_USERPWD, APIKeyID.":".APIKey);

// Set a 5s timeout, return any received data, ignore ssl errors
```

```
curl_setopt($ch, CURLOPT_TIMEOUT, 5);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, TRUE);
curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, false);

// Execute the cURL request
$response = curl_exec($ch);
if(curl_errno($ch)) // if there's an error..
    die(curl_error($ch)); // quit and show what the problem is
curl_close($ch);

// Decode the json reply into an associative array
$json = json_decode( $response, TRUE );

// Show what we received
print_r($json);
```

Below is a minimal example fetching current status using Python

[ezeioAPlexample.py](#)

```
import requests
from requests.auth import HTTPDigestAuth
from pprint import pprint # Just used to format the output

# API credentials from eze.io -> Groups Settings -> Manage API Keys
apikeyid = '00000'
apikey = '12345abcde12345abcde12345abcdeff'

# API endpoint and request - see doc.eze.io
apiurl = 'https://api.eze.io/v1/status/ABC000'

# Send request
r = requests.get(apiurl, auth=HTTPDigestAuth(apikeyid, apikey))

# Convert response to a dictionary
data = r.json()

# Dump whole dictionary to screen
pprint(data)

# Print the value of field 1
print(data['fields']['1']['value'])
```

From:
<https://doc.eze.io/> - **ezeio documentation**

Permanent link:
<https://doc.eze.io/ezeio2/apiref/start>

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