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Document sign-off

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Revision history

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# Description of component

Copyleaks plagiarism checker detects plagiarism and paraphrased content using advanced AI technology**.**

Confirm originality with sophisticated algorithms that scan and track textual content in every language.

## Start Using The API

Copyleaks API follows REST architectural style and according to the following rules:

* All requests and responses are UTF8 encoded.
* Requests content-type could be JSON (application/json) or XML (application/xml).
* Base API Address: https://api.copyleaks.com.

The basic user flow when using Copyleaks API:

Get Results

Wait For Completion

Create Process

LOGIN

# Login to the API

The interaction with the Copyleaks API is through processes the users send to the Copyleaks cloud. Each scan request will create a new independent process.

In order to create new processes you need to first login to the API and then get back your API token. Do so by using the /v1/account/login-api method with your email and API-Key you created in the previous steps. Receive back the API token which will be your identification when creating new processes.

Technical information - [POST /v1/account/login](https://api.copyleaks.com/documentation/account/login).

#### 2.1 Token Expiration Time

For safety reasons, a token is **valid for 48 hours**. After the token has expired, you cannot use it anymore and you will have to login again to get a new security token. This is to make sure it is not being used by unauthorized parties.   
You can generate more than one security token (multiple calls to Login method). There is no way to de-activate an existing security token, it will stay active until its expiration date.

After calling the /v1/account/login-api method and getting back the security token, you can access members only API methods.   
This can be done by adding the "Authorization" HTTP-Header to the HTTP-Request:

Authorization: Bearer <Your-Token-Here>

1. **Create a new process**

There are four ways to create a process on the Copyleaks system:

* **Scan URL** - by calling the method /v1/businesses/create-by-url (for Businesses API), /v1/education/create-by-url (for Education API) or /v1/websites/create-by-url (for Websites API) with a valid URL to scan.

#### Usage Example

Submitting the URL <http://example.com/> for a plagiarism check.

HTTP POST Request to /v1/businesses/create-by-url, /v1/education/create-by-url or /v1/websites/create-by-url with the body:

{

"Url": "http://example.com/"

}

The HTTP-Response:

{

"ProcessId:" "daa6e2fb-6e84-4c75-be94-dd088159dd4c"

"CreationTimeUTC": "01/01/2016 18:36:10"

}

* **Scan File** - by calling the method /v1/businesses/create-by-file or /v1/education/create-by-file with a valid file containing the content you wish to scan for plagiarism.

Technical information - Businesses API:[POST /v1/businesses/create-by-file](https://api.copyleaks.com/documentation/businesses/create-by-file" \t "_blank), Education API: [POST /v1/education/create-by-file](https://api.copyleaks.com/documentation/education/create-by-file).

[Supported file formats](https://api.copyleaks.com/documentation/specifications#supported-format-list).

* **Scan picture with text** - by calling the method /v1/businesses/create-by-file-ocr or /v1/education/create-by-file-ocr with a valid file containing picture with textual content you wish to scan for plagiarism.

Technical information - Businesses API:[POST /v1/businesses/create-by-file-ocr](https://api.copyleaks.com/documentation/businesses/create-by-file-ocr" \t "_blank), Education API: [POST /v1/education/create-by-file-ocr](https://api.copyleaks.com/documentation/education/create-by-file-ocr).

[Supported file formats](https://api.copyleaks.com/documentation/specifications#supported-format-list).

* **Scan text** - by calling the method /v1/businesses/create-by-text, /v1/education/create-by-text or /v1/websites/create-by-text with raw text you wish to scan for plagiarism.

Receive back a unique process ID which will be the identification to this specific process.

1. **Get the process status**

Check the current scan status by calling the method /v1/businesses/{ProcessId}/status (for Businesses API), /v1/education/{ProcessId}/status(for Education API) or /v1/websites/{ProcessId}/status (for Websites API) with the specific Process ID. The status continuously updates until the scan results are ready to view.

There are two possible statuses - 'processing' and 'completed'.

#### 4.1 Usage Example

To check the status of your specific process on the servers (in this exmple the process id is 'daa6e2fb-6e84-4c75-be94-dd088159dd4c'), send GET request to the address /v1/businesses/daa6e2fb-6e84-4c75-be94-dd088159dd4c/status, /v1/education/daa6e2fb-6e84-4c75-be94-dd088159dd4c/status or /v1/websites/daa6e2fb-6e84-4c75-be94-dd088159dd4c/status.   
There are two possible results:

1. When the processing isn't complete yet:

{

Status: "processing"

}

1. When the processing is complete:

{

Status: "completed"

}

The average process finishes in less than 60 seconds. So, calling the ‘Status’ method once every few seconds is enough. Also, You can always use [call-backs](https://api.copyleaks.com/documentation/headers/http-callback) and get notified automatically once the results are ready.

Technical information - Businesses API:[GET v1/businesses/{ProcessId}/status](https://api.copyleaks.com/documentation/businesses/Status" \t "_blank), Education API:[GET v1/education/{ProcessId}/status](https://api.copyleaks.com/documentation/education/Status), Websites API:[GET v1/websites/{ProcessId}/status](https://api.copyleaks.com/documentation/websites/Status).

1. **Get the scan results of your process**

Once the status is "completed", which means the results are ready to view, call the method /v1/businesses/{ProcessId}/result (Businesses API), /v1/education/{ProcessId}/result (Education API) or /v1/websites/{ProcessId}/result (Websites API) with your Process ID to get a full plagiarism report for your submited request. We will keep the results on the Copyleaks servers for 24 hours. They will be deleted after so you should save the results locally before.

In case of an error, you will receive information about why it occurred.

#### 5.1 Usage Example

To get the scan results of your specific process send a HTTP-GET request to the address /v1/businesses/daa6e2fb-6e84-4c75-be94-dd088159dd4c/result, /v1/education/daa6e2fb-6e84-4c75-be94-dd088159dd4c/result or /v1/websites/daa6e2fb-6e84-4c75-be94-dd088159dd4c/result (in this exmple the process id is 'daa6e2fb-6e84-4c75-be94-dd088159dd4c').   
There are two possible results:

1. Successful scan. For example, the servers found one suspected copy:

[

{

"URL":"http://example.com/",

"Percents":14,

"NumberOfCopiedWords":15,

"ComparisonReport":"https://api.copyleaks.com/v1/downloads/comparison?rid=1493025",

"CachedVersion":"https://api.copyleaks.com/v1/downloads/result-text?rid=1493025",

"Title":"Title of the file",

"Introduction":"This is how the text starts.",

"EmbededComparison":"https://copyleaks.com/compare/d69167b7-670b-491f-827f-46ba5ffd43a0/1493025"

}

]

1. Scan Failure: When Copyleaks servers return a status that is different than HTTP success status (200)

Technical information - For Businesses: [GET v1/businesses/{ProcessId}/result](https://api.copyleaks.com/documentation/businesses/Result), For Education: [GET v1/education/{ProcessId}/result](https://api.copyleaks.com/documentation/education/Result), For Websites: [GET v1/websites/{ProcessId}/result](https://api.copyleaks.com/documentation/websites/result).

1. **comparison report**

You will get, as part of your results, a visual comparison report showing the exact copied parts, together with the relevant statistics.

This comparison report that will look like this:

