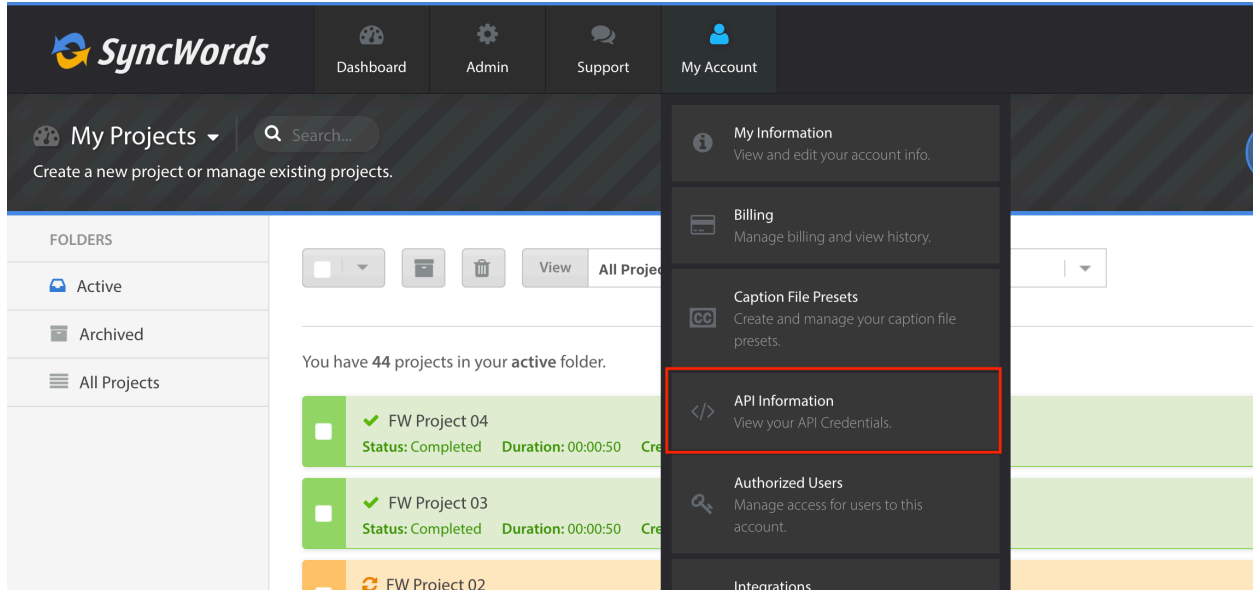


SyncWords API

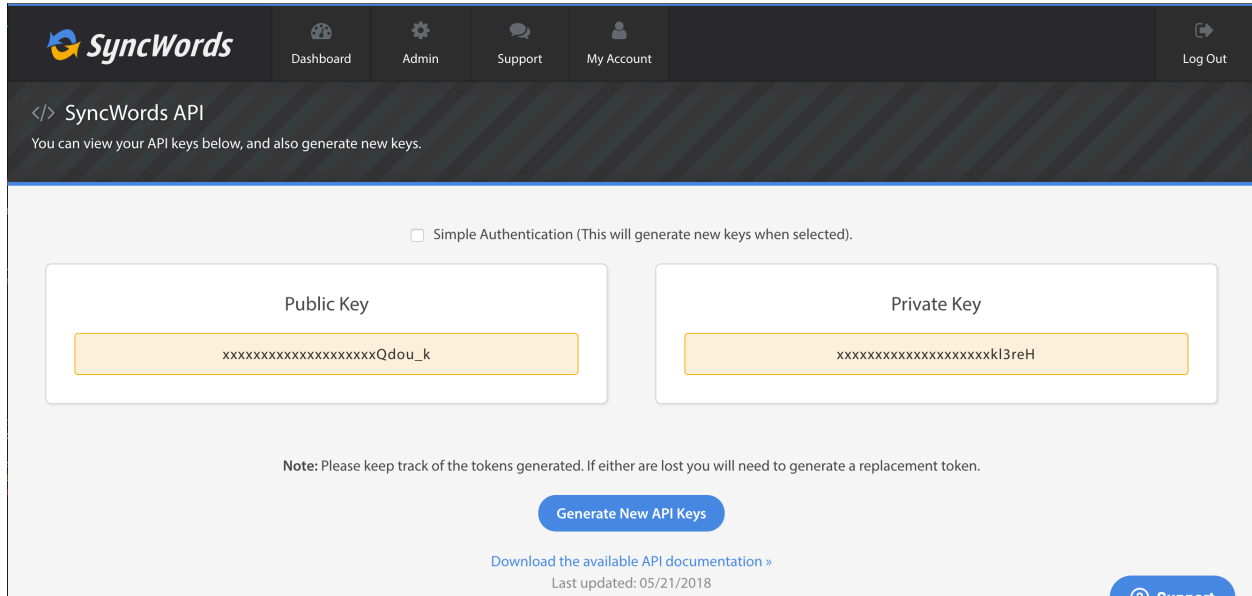
Authentication

SyncWords offers two methods of authentication, Simple and OAuth. The keys required to authenticate using either method can be created/accessed from within your SyncWords account on the API Information page under My Account. Please note that you may not have access to the API section if the owner of the Organization has not given you permission to view it.



OAuth

SyncWords uses OAuth 1.0 Revision A to provide authorized access to its API. Your public key (oauth_consumer_key) and private key (consumer_token) can be used to create a signed request to one of the accepted URIs outlined below in the documentation. Visit <http://oauth.net/code/> for helpful libraries on generating a signed request. We also suggest reading the documentation at <http://oauth.net/core/1.0a/> to get a better understanding of OAuth and the current implementation that we use.



The screenshot shows the SyncWords API dashboard. At the top, there is a navigation bar with the SyncWords logo and links for Dashboard, Admin, Support, My Account, and Log Out. Below the navigation bar, the page title is "SyncWords API" with a sub-header "You can view your API keys below, and also generate new keys." There is a checkbox for "Simple Authentication (This will generate new keys when selected)." which is currently unchecked. Below this, there are two boxes: "Public Key" containing the text "xxxxxxxxxxxxxxxxxxxxQdou_k" and "Private Key" containing the text "xxxxxxxxxxxxxxxxxxxxkl3reH". A note below the keys states: "Note: Please keep track of the tokens generated. If either are lost you will need to generate a replacement token." Below the note is a blue button labeled "Generate New API Keys". At the bottom, there is a link "Download the available API documentation >" and the text "Last updated: 05/21/2018". A "Support" button is visible in the bottom right corner.

IMPORTANT: PLEASE KEEP TRACK OF YOUR KEYS. THEY ARE ONLY VISIBLE THE FIRST TIME THEY ARE GENERATED, IF YOU LOSE THEM YOU WILL NEED TO GENERATE NEW TOKENS AND UPDATE YOUR CODE TO USE THE NEW KEYS.

Simple

Simple authentication is an easier way to authenticate your requests with SyncWords by passing your public key via the X-API-Key header. By default SyncWords does not automatically allow this method of authentication, if you would like to use Simple Auth, you can enable the feature on the API Information page under your account. Doing so will generate a new key for you use in order to authenticate requests. Once you have enabled simple authentication you will be required to make requests to the API via <https://apib.syncwords.com> (please note the difference in the URL).

e.g:

```
curl -X GET http://apib.syncwords.com/health -H 'Accept: application/json' -H 'x-api-key: MY_API_KEY'
```

The screenshot shows the SyncWords API management interface. At the top, there is a navigation bar with the SyncWords logo and links for Dashboard, Admin, Support, and My Account. Below the navigation bar, the page title is '</> SyncWords API' and the subtitle is 'You can view your API keys below, and also generate new keys.' A toggle switch for 'Simple Authentication (This will generate new keys when selected)' is checked. Below this, a 'Public Key' is displayed in a yellow box with the value 'xxxxxxxxxxxxxxxxxxxxx_FoFOL'. A blue button labeled 'Generate New API Keys' is positioned below the key. At the bottom, there are two notes: 'Note: Please keep track of the tokens generated. If either are lost you will need to generate new tokens.' and 'Note: You have simple authentication enabled, please make sure your requests are being sent to <https://apib.syncwords.com>'. A link for 'Download the available API documentation >' and the text 'Last updated: 05/21/2018' are also present.

IMPORTANT: PLEASE KEEP TRACK OF YOUR KEY. THEY ARE ONLY VISIBLE THE FIRST TIME THEY ARE GENERATED, IF YOU LOSE THEM YOU WILL NEED TO GENERATE NEW TOKENS AND UPDATE YOUR CODE TO USE THE NEW KEYS.

/project/new

Methods

POST

Creates a new project using the designated fields below. If the optional field `completed_callback_url` is passed, once the project has finished syncing and is available for requesting captions the URL provided will be sent a POST with the parameters listed in the **Callback URL Fields** table listed below.

Response:

Please view the example project representation. (application/json)

Required Fields:

Key	Value	Description
project_name	string	The project name, 200 Character Limit.
media	binary or valid URL string	The media file for a project. If this parameter is a string, the API will ingest the media from the URL provided.
transcript	binary	The transcript file for a project. If this field is not set the following <i>request_transcript</i> field must be set.
request_transcript	string	Accepts "standard", "rush" or "asr". Must be set if no transcript file is provided. If this field is not set the previous field <i>transcript</i> must be set.
language	string	Sets the language of the video, default is en-US. en-US - English (United States) en-UK - English (United Kingdom) en-AU - English (Australia) es-ES - Spanish (Europe) es-LA - Spanish (Latin America)

Optional Fields:

Key	Value	Description
description	string	A textual description of the project.
tags	JSON string	A JSON encoded array of tags.
completed_callback_url	string	A URL to be notified via POST that a project has been completed.

Callback URL Fields:

Key	Value	Description
project_id	string	The ID of a project
completed	boolean	If the project completed timestamping successfully.

/project/{project_id}

Methods:

GET

Please view the example project representation. (application/json)

Returned Fields:

Key	Data Type	Description
id	string	The project ID, assigned at the time of project creation.
project_name	string	The project name as provided by the user.
description	string	The project description as provided by the user.
tags	JSON string	The project tags as provided by the user
phase	string	<p>A project created through the API can have four phases:</p> <p>Approving Project: The initial phase in which the project data is being prepared and sent to the SyncWords Engine.</p> <p>Timing Transcript: The project has been confirmed and has begun timestamping.</p> <p>Completed: The project has successfully been timestamped and is available to download captions.</p> <p>Error: There was an issue with timestamping the project.</p>

Key	Data Type	Description
submitted	boolean	True if the project has been submitted to the SyncWords Engine for timestamping, False otherwise. Unless there was an error submitting the media/transcript file during project creation this value should always be true.
completed	boolean	True if the project has been completed, false otherwise.
last_accessed	timestamp string	The date a project was last accessed by the API or Website. Format: YYYY-MM-DD HH:MM:SS

/project/{project_id}/update

Methods:

POST

Updates information about the project, currently we only support an update to fields listed below.

Response:

Please view the example project representation. (application/json)

Parameters:

Key	Value	Description
project_name	string	The project name, 200 Character Limit.
description	string	A textual description of the project.
tags	JSON string	A JSON encoded array of tags.
transcript	binary	A new transcript for a project. If a project is still in progress when a new transcript is uploaded, an HTTP 400 error page will be returned. If a project is in an errored state, it will resubmit the project, if a project has successfully completed, it will begin resyncing the project.

/project/{project_id}/captions

Methods:

GET

Generates captions using a specific caption profile that was created on the SyncWords Website. In order to obtain the profile ID use the /caption-profiles link to retrieve a list of all of the profiles created.

Please Note: The process of generating captions may take upwards to one minute per hour of media.

If a callback URL is provided, the request will be processed and return with "Preparing Captions" in the body. Once the process has completed the captions will be zipped and sent via a PUT to the specified callback URL.

If no callback URL is provided, the response headers will contain the necessary headers needed to download the file (i.e: Content-Disposition) and the body will be the zipped file in binary format.

Required Parameter:

Key	Value	Description
profile_id	integer	The ID of the profile that was created on the SyncWords website.

Optional Parameter:

Key	Value	Description
callback_url	string	A URL that will be sent a PUT command with the necessary headers needed to download the file and the body will have the zipped file in binary format.

/project/{project_id}/transcript

Methods:

GET

Downloads the currently used transcript for syncing.

Response:

The transcript that was used when syncing the project.

/caption-profiles

Methods:

GET

Retrieves a list of profiles that have been created through the SyncWords website. Please view the example caption profile list representation. (application/json)

Returned Fields:

Key	Value	Description
id	integer	The profile ID
name	string	The name of the profile.
options	JSON string	The parameters that determine how the caption files will be created and what outputs will be returned in the zip file. See below for an example.

Options Sample:

Key	Value	Description
chars-per-line	integer	Number of characters per line. Default: 40
lines-per-caption	integer	Number of lines per caption. Currently only 1 and 2 are supported values. Default: 2
offset_by	string	Add or Subtract from the time-offset value. Default is add.
time-offset	float	Number of seconds to add to each caption timestamp. Can be negative. Default: 0

Key	Value	Description
collapse-speaker-labels	boolean	Don't show speaker labels except when two speakers share a caption. Default: true
collapsed-speaker-label-text	string	Text to prepend to lines when two speakers share a caption. Default: -
hide-cues	boolean	Don't show cues. Default: false
closeable-gap-option	boolean	Enables closeable-gap feature described below, default true
closeable-gap	float	If the gap between two captions is less than this value (in seconds), extend the first caption to close it. Default: 0.5
minimum-gap	float	If the gap between two captions is less than this value (in seconds), trim the first caption to open it. (Has priority over closeable gap).
upper-case	boolean	Convert all captions to capital letters. Default: false
foreground-color	string	Color in #RRGGBB or #AARRGGBB format. Default: null
backgroundcolor	string	Color in #RRGGBB or #AARRGGBB format. Default: null
font	string	A font name (if supported by format). Default: null
justification	string	One of: left, center, right. Default: null
encoding	string	One of: UTF-8, ASCII, Windows-1252. (Other encodings will likely work, but need to be tested) Default: UTF-8
output	JSON string	
scc-roll-up	boolean	(Format SCC) True for roll-up captions, false for pop-on. Default: false

Key	Value	Description
frame-rate	string	One of: _23_98_NDF, _24, _25, _29_97_NDF, _29_97_DF, _30, _50, _60. For SCC, standard values are: _29_97_NDF and _29_97_DF. Default: _29_97_NDF
scc-duplicate-commands	boolean	(Format SCC) Repeat each command code twice (wasting bandwidth). Default: true

Erroneous Responses

In the event of an error occurring when making a request these are the status codes that we are currently handling. In all occurrences, the response will contain an html template with more information (see below).

400 - Bad Request

The request could not be understood by the server due to malformed syntax. The client SHOULD NOT repeat the request without modifications. This response will return a more specific message containing what was incorrect with the request.

401 - Unauthorized

The request requires user authentication. The response MUST include a WWW-Authenticate header field.

403 - Forbidden

The server understood the request, but is refusing to fulfill it. Authorization will not help and the request SHOULD NOT be repeated.

404 - Not Found

The server has not found anything matching the Request-URI.

500 - Application Error

The server encountered an unexpected condition which prevented it from fulfilling the request.

501 - Not Implemented

The server does not support the functionality required to fulfill the request.

503 - Service Unavailable

The server is currently unable to handle the request due to a temporary overloading or maintenance of the server.

Example Project Representation (application/json)

```
{
  "id": "5aff3f0af3ba50998314001526677258",
  "project_name": "FW Project 04",
  "description": "",
  "tags": [],
  "phase": "Completed",
  "submitted": true,
  "completed": true,
  "last_accessed": "2018-05-21 11:18:51.139693"
}
```

Example Caption Profiles List (application/json)

```
[
  {
    "id": 280,
    "name": "Caption XML Profile",
    "settings": {
      "prechunked": "No",
      "chars-per-line": "55",
      "lines-per-caption": "1",
      "flexible-char-limit": "Off",
      "time-offset": 0,
      "collapse-speaker-labels": "Keep",
      "hide-cues": "Keep",
      "closeable-gap": 500,
      "minimum-gap": 0,
      "linger": 0,
      "minimum-duration": 1.2,
      "upper-case": "Same as Source",
      "foreground-color": "White",
      "background-color": "Black",
      "font": "Player Default",
      "horizontal-alignment": "Bottom Center",
      "line-endings": "Windows Style",
      "encoding": "UTF-8",
      "time-offset-method": "+"
    },
    "date_created": "2016-11-21 13:51:33.764596",
    "date_updated": "2018-01-29 21:15:30",
    "formats": [
      "xml"
    ],
    "languages": []
  }
]
```