About the Chitranslate API

This guide describes how to use Chitranslate API service.

This API enables its users to extract text from an image and translate it to English for usage in their apps and web pages. One can take the snaps of text in foreign languages like French and our API will extract the text from that image and return the translated text in JSON format. There is an option to enable the text-to-speech service. In that case, the translated text will be spoken.

Getting the API key:

The users have to sign up for the API in order to get the key. Each registered user will be provided with a public and a private key which will authenticate their request. To sign up for the key, visit http://localhost/API-master/ and click on the sign up link. Register yourself with the API and then login using your credentials.

To get the API key, click on the "Generate new API key" button. You will get a private and a public key. Save these keys for future use.

Making a Request:

The base url of the API is http://localhost/API-master/text.php. Following are the mandatory parameters required to make a request:

Sl. No.	Parameter	Value
1.	apikey	Your public key
2.	url	Globally accessible url of the image
3.	enc	See note below this table to know how to get this parameter
4.	sp	'y' or 'n' depending on whether to use text-to-speech or not.

*Note: We have provided a double-layer security so that no malicious user can mess up with your key.
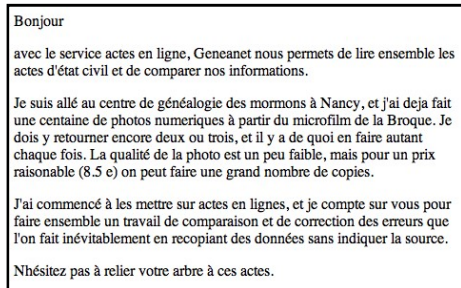You have to use a hash function to get the enc parameter from your private key and url.
Open the enc_generator.php file in your text editor and change the value of the variables $private_api_key and $url and save the changes. Then open your browser and go to the link http://localhost/try/enc_generator.php. You will get the value of enc parameter.

Sample request:

1)

    a)   Image:

> Bonjour
>
> avec le service actes en ligne, Geneanet nous permets de lire ensemble les actes d'état civil et de comparer nos informations.
>
> Je suis allé au centre de généalogie des mormons à Nancy, et j'ai deja fait une centaine de photos numeriques à partir du microfilm de la Broque. Je dois y retourner encore deux ou trois, et il y a de quoi en faire autant chaque fois. La qualité de la photo est un peu faible, mais pour un prix raisonable (8.5 e) on peut faire une grand nombre de copies.
>
> J'ai commencé à les mettre sur actes en lignes, et je compte sur vous pour faire ensemble un travail de comparaison et de correction des erreurs que l'on fait inévitablement en recopiant des données sans indiquer la source.
>
> Nhésitez pas à relier votre arbre à ces actes.

    b)   Url of this image:

http://ah-bon-french.wikispaces.com/file/view/reading_sample.png/33948361/reading_sample.png

    c)   Url of the request:

http://localhost/API-master/text.php?
apikey=438275940d5a177ce7bd6606a168ad7d&enc=e713c6d75368a2e04784de967f2e63a4
&url=http://ah-bon-french.wikispaces.com/file/view/reading_sample.png/33948361/reading_sample.png&sp=n

(Note: If you want to use the above url, replace the parameter apikey with your public key, and the parameter enc with the one obtained by following the prcedure mentioned in the above section.

    d)   JSON response obtained on successful execution:

{"code":200,
"detected":{"lang":"fr"},
"lang":"fr-en",
"text":["Hello with the service acts in the league, Geneanet allows us to read all the acts of civil status and to compare our information. I am a11é at the center of généa1ogie of the mormons has Nancy, and I have already done a hundred pictures digital from microf1lm of the Broque. I must retoumer even two or three, and there is enough to do the same each time. The photo quality is a bit low, but for a reasonable price (8 .5 (e) there may be a large number of copies. I began to put on acts in lines, and I count on you to do a work of comparison and correction of erneurs that one is inevitably in copying data without indicating the source. Do not hesitate to connect your tree aces acts."]}