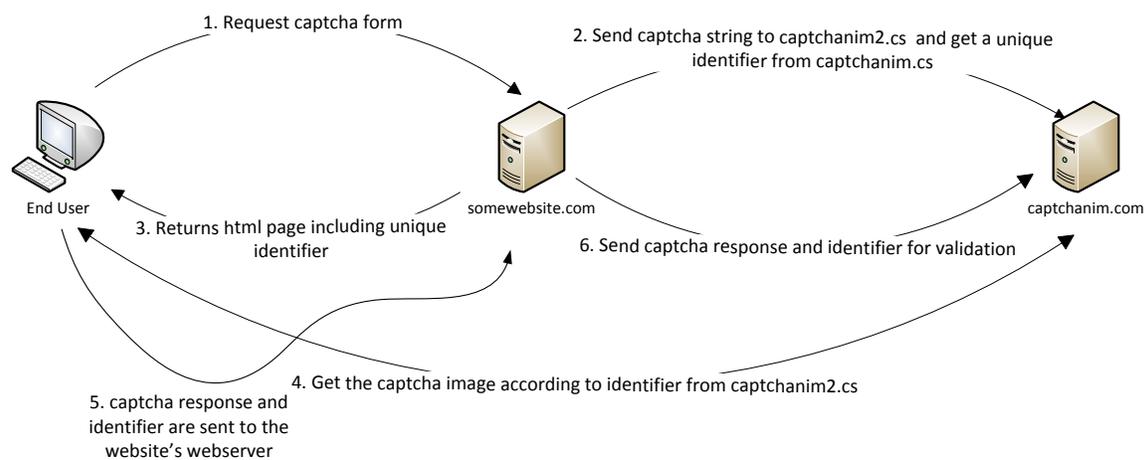# CAPTCHANIM Web API

CAPTCHANIM provides a simple web API for integrating CAPTCHANIM based CAPTCHAs in 3rd party web sites. The latest version of this document can be found at http://captchanim.cs.technion.ac.il

A PHP library implementing this API can is available at our site and can be referenced for implementation.

Overview

CAPTCHANIM images are served directly from captchanim.cs servers, and users' responses are validated on captchanim.cs servers as well. The following diagram describes the flow of displaying and validating CAPTCHANIM:

1. User requests a page including a captcha form from somewebsite.com server
2. somewebsite.com web servers generates a random string, and requests a unique identifier for that string from captchanim.cs.technion.ac.il.
3. somewebsite.com answers the request(from step 1), with a web page containing the unique captchanim identifier
4. The user's browser then sends a request for the captchanim image to captchanim.cs.technion.ac.il
5. After the user has entered a captchanim answer, the answer and the unique identifier are sent to somewebsite.com for validation
6. somewebsite.com web server sends the unique identifier and the user's answer to captchanim.cs.technion.ac.il for validation (a binary answer is replied to somewebsite.com)

Integrating CAPTCHANIM

0. Customizing CAPTCHANIM display style [Optional]
Go to http://captchanim.cs.technion.ac.il/gatekeeper.html manipulate the display settings as you see fit, click the "Get API Parameters". A string representing your display style will be generated in the text box, copy this string for later use (*).

1. Getting a unique CAPTCHANIM identifier
On your web server, generate a random captchanim string, and send an HTTP GET request to:

http://captchanim.cs.technion.ac.il/prepareCaptcha.php?txt=STRING&DISPLAY_SETTINGS

Where STRING is the random string you wish to create a CAPTCHAMIN for, and DISPLAY_SETTINGS is the parameters string you generated on step 0(*). DISPLAY_SETTINGS is optional and default values will be used if it isn't specified.

The reply is a text file containing a unique identifier for the specific CAPTCHANIM (**).

2. Displaying a CAPTCHANIM image
The url:

http://captchanim.cs.technion.ac.il/apishow.php?id=CAPTCHA_ID

Where CAPTCHA_ID is the unique identifier received on step 1 (**) will return the CAPTCHANIM image, embed the image by this url in your website where you wish to show the CAPTCHANIM image.

3. Validating user's answer
Once you receive the user's answer to the CAPTCHA send a GET request to:

http://captchanim.cs.technion.ac.il/apicheck.php?id=CAPTCHA_ID&answer=ANSWER

Where CAPTCHA_ID is the unique identifier received on step 1 (**) and ANSWER is the user's answer. The response will be a text file with the contents "1" if the answer was correct, and "0" else.

Note: After this step the specific captchanim image will no longer be available.