

Solving CAPTCHAs for Fun

by @vavkamil

~\$ whoami

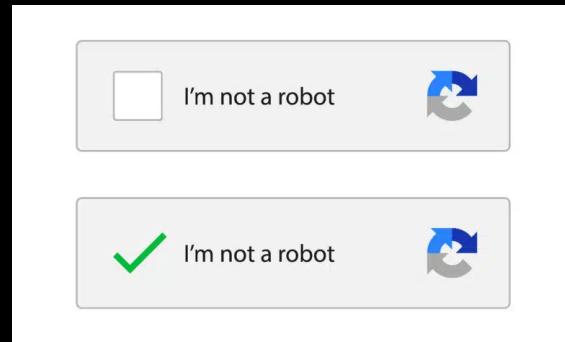
- Kamil Vavřík (@vavkamil)
- Application Security Engineer
- Burp Suite Certified Practitioner
- Offensive Web Application Security
- OWASP Czech Chapter Leader
- Moderator of reddit.com/r/bugbounty
- *vavkamil.cz*
- *github.com/vavkamil*
- *twitter.com/vavkamil*
- *linkedin.com/in/vavkamil*
- *reddit.com/user/vavkamil*

~\$ Agenda

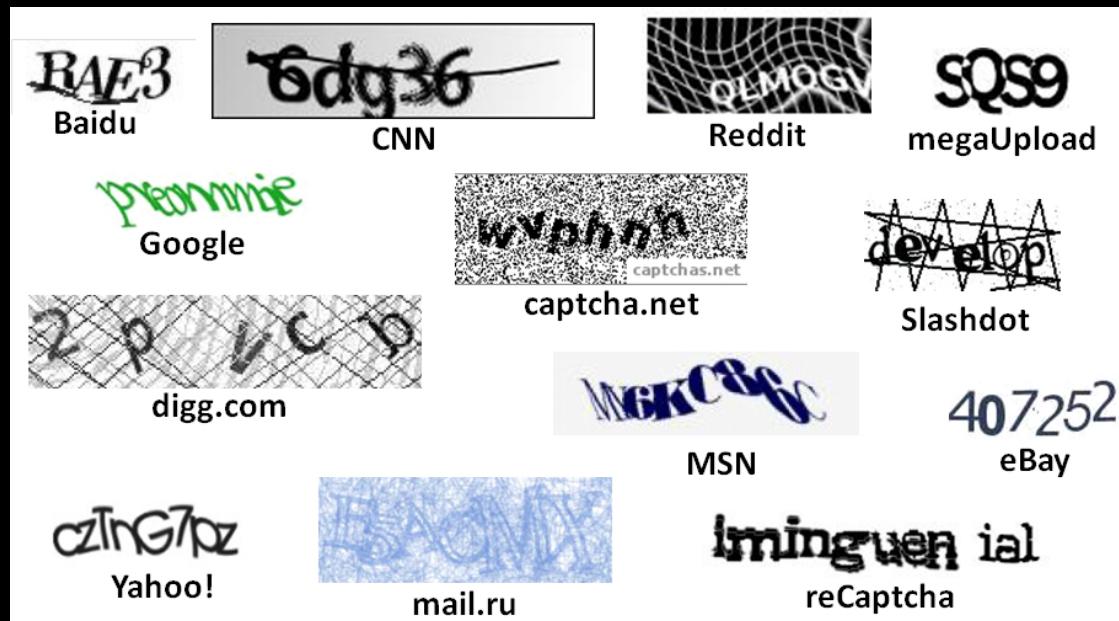
- Wtf is CAPTCHA
- Top CAPTCHA vendors
 - reCaptcha (Google)
 - hCaptcha (Intuition Machines)
 - Turnstile (Cloudflare)

~\$ Agenda

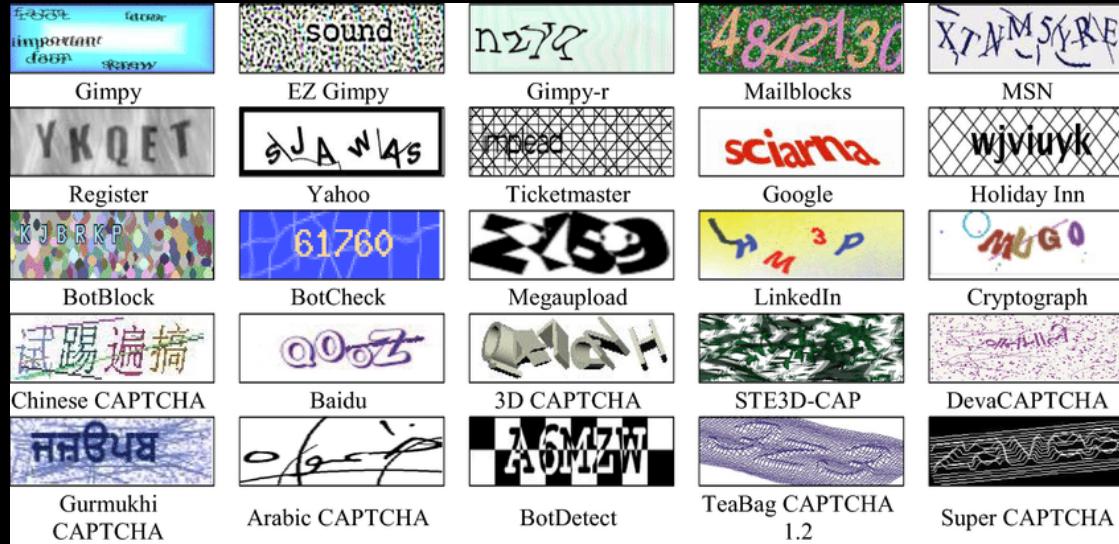
- Wtf is CAPTCHA
- Top CAPTCHA vendors
 - reCaptcha (Google)
 - hCaptcha (Intuition Machines)
 - Turnstile (Cloudflare)
- How to bypass CAPTCHAs
 - Top CAPTCHA-solving vendors
- Using AI to automate the process



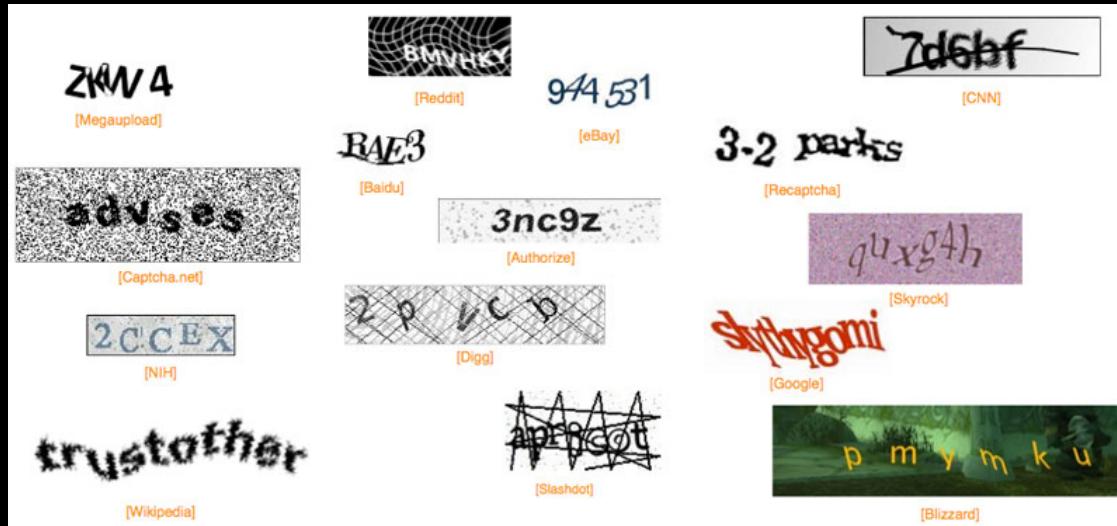
~\$ Old CAPTCHA examples



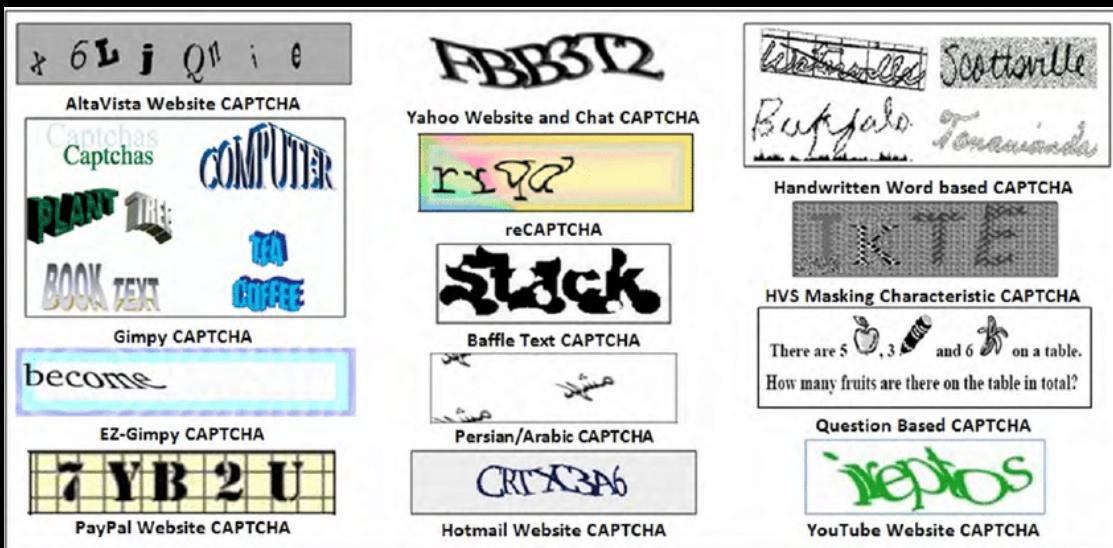
~\$ Old CAPTCHA examples



~\$ Old CAPTCHA examples



~\$ Old CAPTCHA examples



~\$ Old CAPTCHA examples

CAPTCHA module settings
Here you can select and configure CAPTCHA plugins, which implement various ways to reject registration attempts from so-called spambots.

General options

GD CAPTCHA foreground noise:
Use foreground noise to make the GD based CAPTCHA harder.
 Yes No

GD CAPTCHA background noise x-axis:
Use lower settings of this to make the GD based CAPTCHA harder. 0 will disable x-axis background noise.

GD CAPTCHA background noise y-axis:
Use lower settings of this to make the GD based CAPTCHA harder. 0 will disable y-axis background noise.

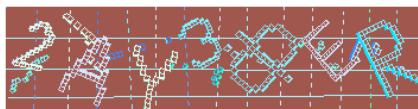
GD CAPTCHA wave distortion:
This applies a wave distortion to the CAPTCHA.
 Yes No

Add 3D-noise objects:
This adds additional objects to the CAPTCHA, over the letters.
 Yes No

Use different fonts:
This setting controls how many different letter shapes are used. You can just use the default shapes or introduce altered letters. Adding lowercase letters is also possible.
 Default New Shapes Also use lowercase

Preview

Preview:
The CAPTCHA as it would look like using the current selection.



Submit **Reset** **Preview**

~\$ Wtf is CAPTCHA

~\$ Wtf is CAPTCHA

- Completely
- Automated
- Public
- Turing test to tell
- Computers and
- Humans
- Apart
- The term was coined in early 2000's
 - by Luis von Ahn, Manuel Blum, Nicholas J. Hopper, and John Langford
 - Read the whitepaper *CAPTCHA: Using Hard AI Problems for Security*
 - *Abstract. We introduce captcha, an automated test that humans can pass, but current computer programs can't pass: any program that has high success over a captcha can be used to solve an unsolved Artificial Intelligence (AI) problem.*
- Luis von Ahn later founded reCAPTCHA in 2007, which was acquired by Google in 2009

~\$ (re)CAPTCHA origins

- In a September 2000 chief scientist of the Internet portal Yahoo, Dr. Udi Manber, *conference call* with a group of computer science researchers at Carnegie Mellon University
 - Yahoo had a problem with constant spam in their chat rooms and automated registrations of Yahoo e-mail accounts used for spam
- Dr. Manuel Blum, a professor at Carnegie Mellon proposed a solution: "*Why not devise a new sort of Turing test, that would be simple for humans but would baffle sophisticated computer programs.*"
 - He started working on it with his Ph.D. student Luis von Ahn (22-year-old) and others.
- They registered the *captcha.net* domain in 2001
- As a Proof of Concept, they designed two CAPTCHA proposals
 - Gimpy
 - Bongo

~\$ (re)CAPTCHA origins

Gimpy (text-based)

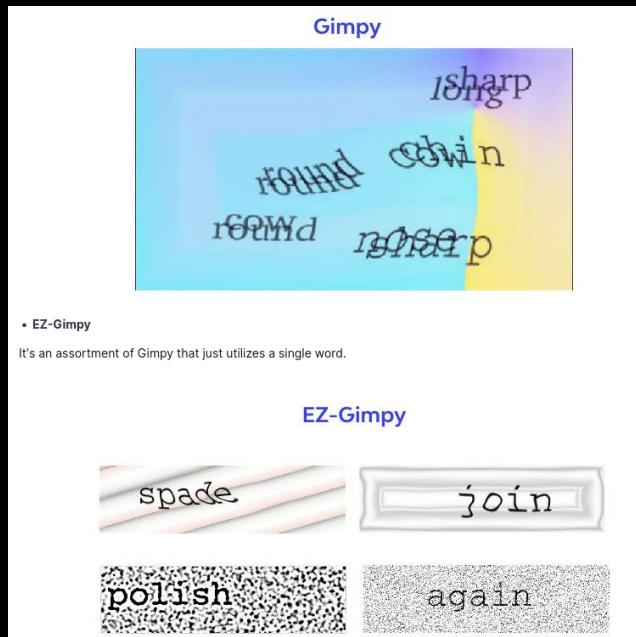
- It's based on the human ability to read an extremely distorted and corrupted text, and the inability of current computer programs to do the same
- Gimpy works by choosing a certain number of words from a dictionary and then displaying them distorted in an image;
 - Afterward, Gimpy asks the user to type the words displayed in that image.

Bongo (image-based)

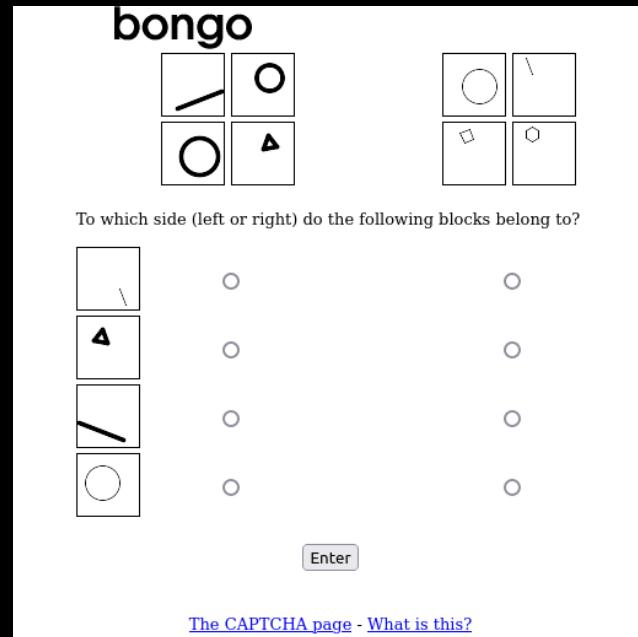
- Bongo is a program that asks the user to solve a visual pattern recognition problem.
- Bongo displays two series of blocks, and the user must find the characteristic that sets the two series apart.
- After seeing the two series of blocks, the user is presented with four single blocks and is asked to determine whether each block belongs to the right series or the left

~\$ (re)CAPTCHA origins

Gimpy (text-based)



Bongo (image-based)



~\$ (re)CAPTCHA origins

- 2000 - Yahoo has a problem with spam
- 2001 - First PoC of CAPTCHA
- 2003 - CAPTCHA white paper released
- 2007 - reCAPTCHA company started
- 2008 - Over 100 million CAPTCHAs displayed/solved every day
- 2009 - reCAPTCHA acquired by Google
- 2012 - reCAPTCHA began using photographs taken from Google Street View
- 2014 - reCAPTCHA is only presenting challenges if it suspects that the user may be a bot
- 2017 - A new "invisible" reCAPTCHA introduced, where verification occurs in the background, and no challenges are displayed
- 2017 - New reCAPTCHA v3 introduced; This version is a complete shift from the challenge-based approach

~\$ CAPTCHA vendors

~\$ CAPTCHA vendors

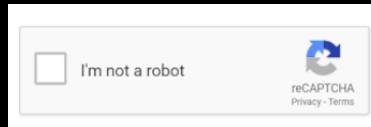
- CAPTCHA Usage Distribution in the Top 1 Million Sites
 - trends.builtwith.com

Vendor	Websites	%
reCaptcha	211,339	21.13
hCaptcha	5,178	0.52

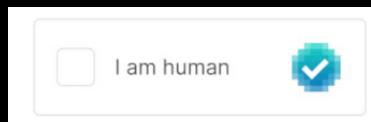
- CAPTCHA Usage Distribution based on # of websites
 - wappalyzer.com

Vendor	Websites	%
reCaptcha	4,002,000	96.71
hCaptcha	87,000	2.10
Turnstile	49,300	1.19

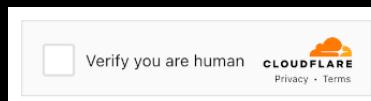
- reCaptcha (Google)
 - google.com/recaptcha/about



- hCaptcha (Intuition Machines)
 - hcaptcha.com



- Turnstile (Cloudflare)
 - cloudflare.com/products/turnstile



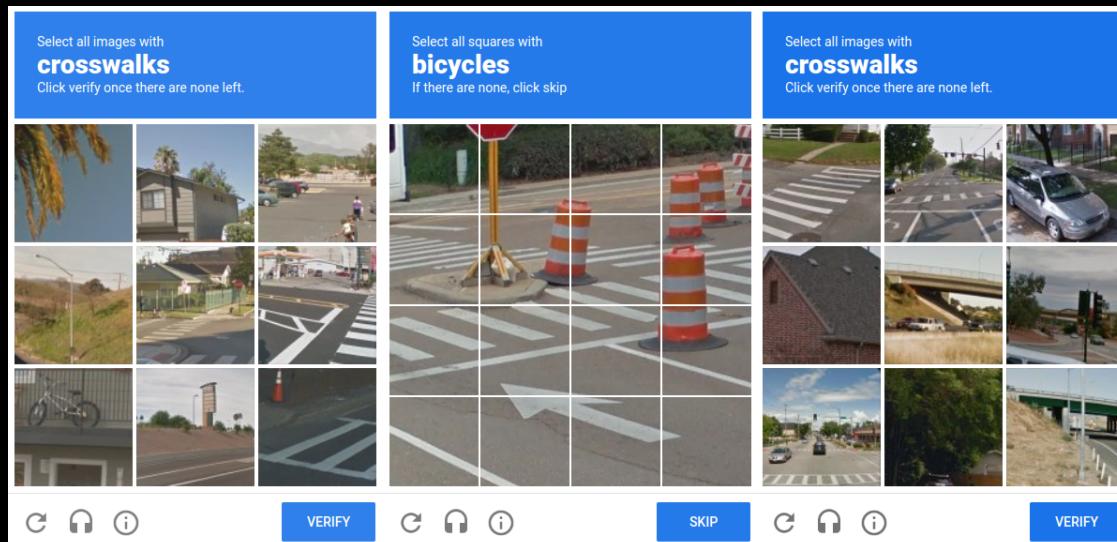
~\$ CAPTCHA vendors | reCaptcha

- The text-based version used to completely digitize the archives of The New York Times and books from Google Books
- It helped to digitize books illegible to be scanned by computers, as well as translate books to different languages
 - Completed as of 2011
 - Within the first year, 440 million words were deciphered; the equivalent of 17,600 books
 - More than 13 million articles in total have been published (from NYT; dating from 1851 to the present day)
- Since 2012, they started adding street addresses, street names, house numbers, and even traffic signs
 - Data from Google Maps



~\$ CAPTCHA vendors | reCaptcha

- Nowadays, Google uses reCaptcha to identify objects in images, like traffic lights, buses, crosswalks, fire hydrants, etc.
 - Google uses user inputs to improve its machine learning models, and specifically, its image recognition models

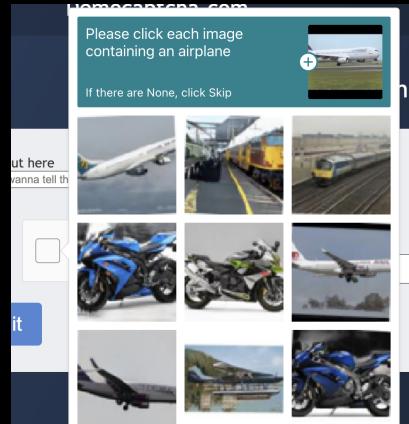
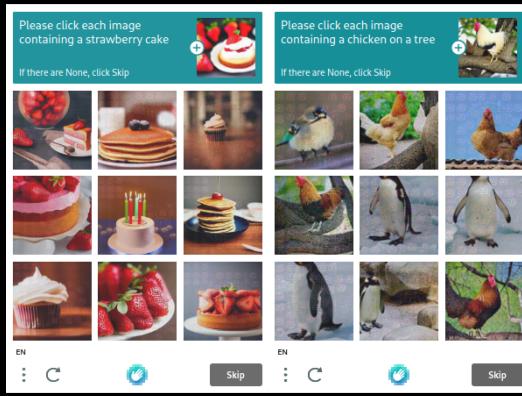


~\$ CAPTCHA vendors | reCaptcha

- reCAPTCHA v1 (released in 2007)
 - Distorted text pulled from books, newspapers, or other sources that Optical Character Recognition (OCR) had failed to recognize
- reCAPTCHA v2 (released in 2014)
 - The "I'm not a robot" checkbox was introduced
 - The images used in these challenges are often photos from Google Street View
 - Users help train machine learning (image recognition and mapping technologies)
- Invisible reCAPTCHA (released in 2017)
 - This version works in the background to determine if a user is a human or a bot without any interaction
 - If the system isn't sure, it may present an image-based challenge like in v2
- reCAPTCHA v3 (released in 2018)
 - It gives each user a score between 0.0 and 1.0, representing 20 / 52 the likelihood that they're a human

~\$ CAPTCHA vendors | hCaptcha

- hCaptcha was introduced in 2018 by Intuition Machines, Inc.
 - A company that provides AI and machine learning solutions
- hCaptcha is designed to solve problems for machine learning models
 - While Google is using reCAPTCHA to help train its own services, hCaptcha's primary goal is to sell the anonymized human-validated data to companies interested in improving their machine-learning models
- One of the key differences between hCaptcha and reCAPTCHA is in their approach to privacy and transparency



~\$ CAPTCHA vendors | Turnstile

- Introduced in 2022 by Cloudflare
 - Invisible alternative to CAPTCHA
 - A key difference is to solve terrible user experience
- It automatically chooses from a rotating suite of non-intrusive browser challenges based on telemetry and client behavior exhibited during a session.
- First, it runs a series of small non-interactive JavaScript challenges gathering more signals about the visitor/browser environment
 - Those challenges include proof-of-work, proof of space, probing for web APIs, and various other challenges
- Turnstile also includes machine learning models that detect common features of end visitors who were able to pass a challenge before.
 - The computational hardness of those initial challenges may vary by visitor, but is targeted to run fast

~\$ CAPTCHA vendors

reCAPTCHA (Google)

- Free up to 1 million assessments per month (then it stop working)
- Enterprise free up to 1m, then \$1 per 1,000 calls

hCaptcha (Intuition Machines)

- Free up to one million requests per month
- Pro \$139 per month, 100,000k evaluations per month
 - Additional evaluations are billed at \$0.99 per 1000 requests

Turnstile (Cloudflare)

- Free, but customers are limited to 1 million calls to the siteverify verification endpoint per month
- Customers who need additional requests must upgrade to Enterprise Bot Management (really expensive)

~\$ CAPTCHA solving
vendors

~\$ CAPTCHA solving vendors

- Main SaaS platforms
- 2captcha.com
 - Founded in 2014
 - Price ~\$1 - \$2.99 for 1000 reCAPTCHAs V2
 - Solving speed for reCAPTCHA V2 ~25 sec.
- anti-captcha.com
 - Founded in 2007; same as reCAPTCHA
 - Price ~\$0.95 - \$2 for 1000 reCAPTCHAs V2
 - Solving speed for reCAPTCHA V2 ~5 sec.

Captcha type	Price per 1000	Solving speed
Normal CAPTCHA	\$0.5 - \$1	↳ 4 sec.
reCAPTCHA V2	\$1 - \$2.99	↳ 25 sec.
reCAPTCHA V3	\$1.45 score <= 0.3 \$2.99 score > 0.3	↳ 7 sec.
reCAPTCHA Enterprise	\$1 - \$2.99	↳ 28 sec.
hCaptcha	\$2.99	↳ 22 sec.
Cloudflare Turnstile	\$2.99	↳ 22 sec.
GeeTest CAPTCHA	\$2.99	↳ 14 sec.
KeyCAPTCHA	\$2.99	↳ 12 sec.

Pay as you go <input checked="" type="checkbox"/> Subscription			
	Price per 1000	Solving Speed	Workers
Images	\$0.5 - \$0.7*	5 s	Busy: 1000 Idle: 1200 1000 / per minute
reCAPTCHA v2	\$0.95 - \$2*	5 s	Busy: 1000 Idle: 1200 1000 / per minute
reCAPTCHA v3	\$1 - \$2**	5 s	Busy: 1000 Idle: 1200 1000 / per minute
reCAPTCHA Enterprise v2/v3	\$5	5 s	Busy: 1000 Idle: 1200 1000 / per minute
hCaptcha	\$2	5 s	Busy: 1000 Idle: 1200 1000 / per minute
GeeTest	\$1.8	5 s	Busy: 1000 Idle: 1200 1000 / per minute
Arkose Labs	\$3	5 s	Busy: 1000 Idle: 1200 1000 / per minute
Turnstile	\$2	5 s	Busy: 1000 Idle: 1200 1000 / per minute
Custom Tasks	\$2	5 s	Busy: 1000 Idle: 1200 1000 / per minute

~\$ anti-captcha.com

~\$ anti-captcha.com | Welcome

The screenshot shows the 'START PAGE' of the anti-captcha.com website. At the top, there is a navigation bar with a search icon, a bell icon, a flag icon, a '\$0' balance indicator, and a user profile icon. On the left, there is a sidebar with sections for Reports (Dashboard, Captchas Review, Usage Statistics, Refunds Statistics, System Statistics, Notifications), Finance, Settings, Tools, Referrals, and Help.

The main content area is titled 'Welcome!' and contains instructions for new users:

First typical steps of our clients are:

- 1 Top up your balance.
Every 1000 image captcha solvings cost about \$0.7.
Every 1000 Google Recaptcha solvings cost about \$2.
If for some reason you're not ready to pay now, try to request demo credits.
- 2 Copy your account key into your application.
Your key is:
636334e0-1000-0f5c10
If you don't have any application yet, you may find one in our App Center.
- 3 Start your application. Our service will begin solving your captchas automatically.

Buttons for each step include 'Add funds', 'Copy key', 'Start App', and 'Upload Test Captcha'.

~\$ anti-captcha.com | Refill balance

A\TI REFILL BALANCE

Choose Pay Done

Czech Republic

VISA

mastercard.

Apple Pay

PayPal

Bitcoin +20% bonus

Litecoin +20% bonus

Ethereum +20% bonus

BUSD BEP20

BNB +20% bonus

USDC +20% bonus

USDT ERC20 TRC20 BEP20

TRX

JCB

AMERICAN EXPRESS

Bank Transfer

Reports

Finance Add Funds Withdraw History Invoices Subscriptions New Loans Resellers Demo Credits

Settings

Tools

Referrals

Help

~\$ anti-captcha.com | Crypto
with 20% bonus

A\TI REFILL BALANCE

Send 0.000188 BTC to the following address:

37rWyg[REDACTED]sXqQ

Copy address



Status: waiting for transaction

Please note

1. You need to send 0.000188BTC to refill your account with 5 USD. Current exchange rate: 1BTC = 26593.318 USD.
2. Additional promotion bonus of 0.5 USD will be applied to your balance for this payment. We add 20% bonus for payments above \$100 and 10% for payments below this

Reports Finance Add Funds Withdraw History Invoices Subscriptions New Loans Resellers Demo Credits Settings Tools Referrals Help

~\$ anti-captcha.com | BTC 1
confirmation

A\TI

This is to confirm that we've just received enough confirmations for your Bitcoin payment and successfully added it to your balance.

Received: 0.00018799 BTC

USD equivalent: \$5

Bonus: \$0.5

Total added: \$5.5

Thank you for doing business with us!

Regards,
Anti Captcha team.

A\TI

~\$ anti-captcha.com | App center

ANTI APP CENTER

Search

Top Categories New

AntiCaptcha plugin (automatic captcha solver)

free 20 3 27

A browser plugin for Chrome and Firefox, which allows you to automatically solve CAPTHAS found on a webpage. The plugin works with iMacros.

Плагин для Chrome и Firefox, который автоматически решает найденные на странице капчи. Работает в связке с iMacros.

Other Submitters

python-anticaptcha

free 2 0 1

Python client library for solve captchas with Anticaptcha.com support. Support Recaptcha, tex, funcaptcha & custom type.

Scripts and libraries

Key Collector

2300.00 RUR

27 1 22

Программа для раскрутки сайта позволяет быстрым и удобным способом собирать ключевые фразы для составления семантического ядра, определить их конкурентность, стоимость и эффективность, а также провести экспресс-анализ вашего сайта на соответствие его содержимому этому ядру....

Other SEO

jDownloader

free 0 0 0

jDownloader is a free download-manager that makes downloading as easy, fast and automated as it should be.

Other

eTXT Антиплагiat

free 1 0 1

Программа для поиска плагиата в сети и оценки уникальности текстов

Other SEO

OpenBullet

free 0 0 0

OpenBullet is a webtesting suite that allows to perform requests towards a target webapp and offers a lot of tools to work with the results. This software can be used for scraping and parsing data, automated pentesting, unit testing through selenium and much more.

Submitters Account creators

Reports Finance Settings Tools App Center Developers Center Proxy Monitor Proxy Checker IP Search Referrals Help

~\$ anti-captcha.com | Developers center

A\TI DEVELOPERS CENTER

SEARCH BELL £ \$5.5

Settings Reports Finance Settings Tools App Center Developers Center Proxy Monitor Proxy Checker IP Search Referrals Help

Add application Post a job Post a resume AntiGate template

LATEST JOBS LIST [VIEW ALL](#)

Description	Budget
Need To Submit Clouflare Turnstile Solved Token Publish date: 5 June views: 40	50
python solve captcha Publish date: 4 June views: 52	10
find out why anti captcha code does not work on some sites Publish date: 27 May views: 40	up to 250 time and materials
need help to solve a google captcha Publish date: 5 May views: 160	50 usd
I need to solve the captcha for Amazon's registration. Publish date: 2 May views: 68	60

RESUMES LIST [VIEW ALL](#)

Capabilities	Platforms	Costs
Automatic browser actions (development of bots) Publish date: 18 June views: 248 contact views: 127		50 / hour
Bot creating Publish date: 18 June views: 8 contact views: 5		Custom pricing

~\$ anti-captcha.com | Referrals

The screenshot shows the 'TOP20 REFERRALS' section of the anti-captcha.com website. A message box says: 'Oops, it seems that you are not taking part in this top list :(. Generate a referral link and get paid by referring other customers!' with a 'Start earning money now' button. Below is a table titled 'TOP EARNING REFERRERS' with 10 rows:

Place	Name	Montly Earnings
1	Olexandr5000	\$3378.13
2	Flauros	\$931.08
3	*****	\$732.93
4	SMARTESTASS	\$485.70
5	Tony2015	\$444.47
6	*****	\$225.56
7	*****	\$225.32
8	*****	\$128.58
9	*****	\$112.66
10	*****	\$94.61

The sidebar on the right includes 'Reports', 'Finance', 'Settings', 'Tools', and 'Referrals' (which is expanded, showing 'Links & Stats' and 'Top Referrers'). Other links like 'Help' and 'FAQ' are also visible.

~\$ anti-captcha.com

- Awesome documentation at anti-captcha.com/apidoc

```
#!/bin/bash
echo "[i] Creating reCaptcha V2 bypass task"

response=$(curl -s -H "Accept: application/json" \
    -H "Content-Type: application/json" \
    -X POST -d '{
        "clientKey": "anti-captcha-api-key",
        "task": {
            "type": "RecaptchaV2TaskProxyless", "websiteURL": "https://example.com/captcha.php", "websiteKey": "captcha-site-key"
        },
        "softId": 0
}' https://api.anti-captcha.com/createTask)

taskId=$(echo "$response" | jq '.taskId')

echo -e "\t[i] Waiting 5 seconds for task to complete ... \n"
sleep 5

while true; do
    echo "[i] Requesting task solution"
    result=$(curl -s -H "Accept: application/json" \
        -H "Content-Type: application/json" \
        -X POST -d '{
            "clientKey": "anti-captcha-api-key",
            "taskId": '$taskId'
}' https://api.anti-captcha.com/getTaskResult)

    status=$(echo "$result" | jq -r '.status')

    if [ "$status" == "ready" ]; then
        gRecaptchaResponse=$(echo "$result" | jq -r '.solution.gRecaptchaResponse')
        echo -e "\n[!] gRecaptchaResponse:\n\n$gRecaptchaResponse\n"
        break
    else
        echo -e "\t[i] Wait for 3 seconds before retrying ... \n"
        sleep 3
    fi
done
```

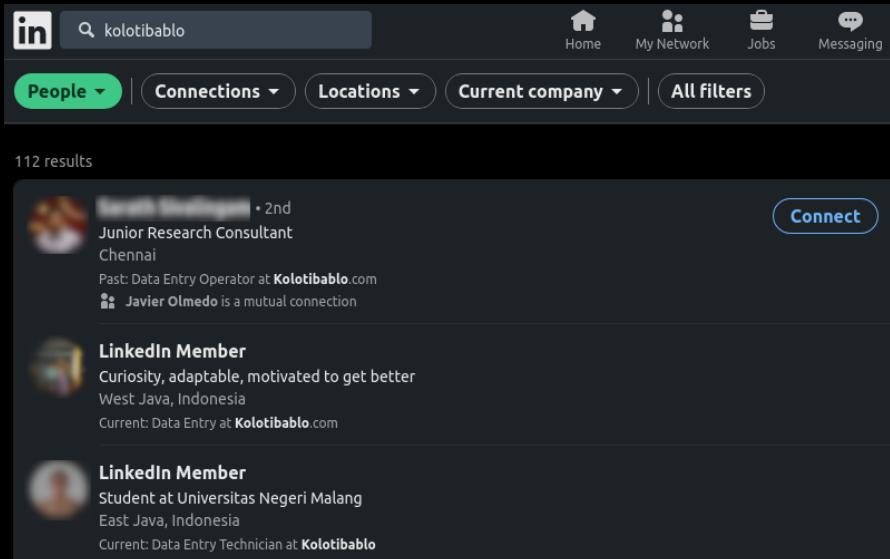
~\$ kolotibablo.com
Work for anti-captcha.com

~\$ kolotibablo.com

- Founded in 2007 (same as reCAPTCHA) | Work for anti-captcha.com
 - They used to pay 0.5 cents per correctly entered captcha (earnings ~\$3 per hour)
- Now you get \$1 per 1000 CAPTCHAs solved (earning ~\$2 per day)
 - Bonus system based on monthly volume of solves (e.g., + 15% for 50k solves)
 - Estimated earnings ~\$100 per month, working every day
- You earn RP (recaptcha points) for each successful solve
 - If you do 3+ mistakes per 1k solves, you get banned
 - You can unban yourself or a friend by spending 2k RP
- Top 3 countries (workers):
 - Venezuela
 - Indonesia
 - Vietnam
 - India
 - Bangladesh

~\$ kolotibablo.com

- You can read inspirational success stories at *kolostories.com*
- Not so good reviews at *trustpilot.com*
- Plenty of people (112) list this as their current/past job at LinkedIn
 - Data Entry Operator / Data Entry Technician / Data Encoder
 - Typing job / Typist / Typesetter



The screenshot shows a LinkedIn search results page for the term "kolotibablo". The top navigation bar includes the LinkedIn logo, a search bar with the query "kolotibablo", and links for Home, My Network, Jobs, and Messaging. Below the search bar are filters for People, Connections, Locations, Current company (set to "Current company"), and All filters. The search results section displays 112 results. The first result is for a "Junior Research Consultant" in Chennai, India, with a note that they previously worked at Kolotibablo.com. A "Connect" button is available for this profile. The second result is for a "LinkedIn Member" from West Java, Indonesia, currently working at Kolotibablo.com. The third result is for a "LinkedIn Member" from East Java, Indonesia, also currently working at Kolotibablo.com.

112 results

Junior Research Consultant
Chennai
Past: Data Entry Operator at **Kolotibablo.com**
Javier Olmedo is a mutual connection

Connect

LinkedIn Member
Curiosity, adaptable, motivated to get better
West Java, Indonesia
Current: Data Entry at **Kolotibablo.com**

LinkedIn Member
Student at Universitas Negeri Malang
East Java, Indonesia
Current: Data Entry Technician at **Kolotibablo**

~\$ kolotibablo.com | Start page

The screenshot shows the start page of the kolotibablo.com website. At the top, there is a navigation bar with a logo, language selection (UK), a 'Start working' button, a balance of '\$0.0029', and a user icon.

The main area features several buttons:

- work via Web
- work via App
- send money
- track stats
- referrals

A central box displays a 'Recaptcha Solving' task with a current bid of \$1.1 / 1000 and priority 0 / 53141. It includes a note to 'Follow easy instructions to enable Recaptcha tasks:' and a list of system requirements with mixed status indicators (green checkmarks and red X's). A blue 'Receive tasks' button is present.

Below this are two more task boxes:

- Image Captcha Solving**: Usual image captcha tasks. Current bid: 0.3 / 1000. Monthly entries: 4. Monthly earnings: 0.003302. Priority: 0 / 49573. Demand: 53% demand. A blue 'Receive tasks' button is present.
- AntiGate Tasks**: Custom assignment tasks. Task description: 'Task description'. Current bid: 1.3 / 1000. Demand: 55% demand. Minimum plugin version: 3.14. A grey 'Receive tasks' button is present.

The right side of the page contains a sidebar with various links:

- Captchas: Start Working, My Stats, My Errors, Top Workers, System Stats
- Finance
- Settings
- Referrals
- Tools
- Information

~\$ kolotibablo.com | Your stats

YOUR STATS

Start working \$0.0029

Pending payments for image captchas:
You have to input at least 500 captchas for the last 48 hours to bypass moderation. You will receive payment for these entries only after our moderator checks them.

date	volume	\$ earned	\$ bonus
2 Jun	1	0.000420	0.0000000

All captcha types

Captchas pending moderation: \$ 0.0004, 1 captchas

date	volume	\$ earned	\$ bonus *	refunds **
21 Jun	0	0	0	-
20 Jun	0	0	0	-
19 Jun	0	0	0	-
18 Jun	0	0	0	-
17 Jun	0	0	0	-
16 Jun	0	0	0	-
15 Jun	0	0	0	-
14 Jun	0	0	0	-
13 Jun	0	0	0	-
12 Jun	0	0	0	-
11 Jun	0	0	0	-
10 Jun	0	0	0	-

⌚ Captchas

- Start Working
- My Stats
- My Errors
- Top Workers
- System Stats

💵 Finance

⚙️ Settings

💰 Referrals

💡 Tools

❓ Information

~\$ kolotibablo.com | Top workers

TOP 5K WORKERS LIST

Start working \$0.0029

7 DAYS TOP WORKERS

You are not present in Top 5K List

position	captchas	money	Recaptchas/Images
1	63117	\$55.96	\$55.96 / \$0
2	71616	\$55.38	\$55.38 / \$0
Hong Kong	68340	\$54.2	\$54.2 / \$0
4	54255	\$53.9	\$53.9 / \$0
5	54715	\$53.62	\$53.62 / \$0
6	53832	\$53.48	\$53.48 / \$0
7	54456	\$53.39	\$53.39 / \$0
8	60370	\$53.38	\$53.38 / \$0
Hong Kong	66479	\$53.32	\$53.31 / \$0.01
10	59109	\$53.18	\$53.18 / \$0
11	53261	\$52.89	\$52.89 / \$0
12	53665	\$52.83	\$52.83 / \$0
13	51849	\$51.52	\$51.52 / \$0
14	61400	\$51.11	\$51.11 / \$0.01
Hong Kong	65778	\$51.02	\$51.01 / \$0.01
15			

Captchas

- Start Working
- My Stats
- My Errors
- Top Workers
- System Stats
- Finance
- Settings
- Referrals
- Tools
- Information

~\$ kolotibablo.com | Your typing errors

YOUR TYPING ERRORS

Start working \$0.0029

Your account has several errors on file!

Please type more carefully, otherwise your account will be automatically banned.

1. Your account might get banned immediately if our moderator finds a rude error among your answers.
2. Automated quality control gives every user different chances, depending on monthly typing volume.
3. We reserve the right to do an immediate ban if we see that mistype is done intentionally. Thus the best rule you can follow: be attentive, provide exact answers and you will never have any problems. (And we too with our clients).

Errors ratio: 2 errors / 4 (50%)

You cannot continue until you mark all errors as read.

Appeal points left: 1

captcha	your answer
	Select all squares with: airplane. Cell numbers are 0-8. airplane: skipped control captcha! Correct answer: 2
	pmwcm Correct answer: PMWCM

mark as read remove 0.02 USD remove 200 RP

mark as read remove 0.02 USD remove 200 RP

Start Working My Stats Top Workers System Stats

My Errors

Captchas Settings Referrals Tools Information

~\$ kolotibablo.com | Unban accounts

The screenshot shows a dark-themed web interface for 'kolotibablo.com'. At the top, there's a navigation bar with a logo, a language switch (UK), a 'Start working' button, a balance of '\$0.0029', and a user icon. On the right side, there's a sidebar with various menu items: Captchas, Finance, Settings, Referrals, Tools (with sub-options like Gmail Pumping and Captchas Unban highlighted in red), and Information.

UNBAN ACCOUNTS

RP Balance 2

Balance in reCAPTCHA points. You can earn these points by solving reCAPTHAs via web interface or desktop application.

Unban myself

Unban your account and restore access to image CAPTHAs. Cost: 2,000 reCAPTCHA points.

unban myself

Unban others

Unban account of your friend. Cost: 2,000 reCAPTCHA points.

account email **unban friend**

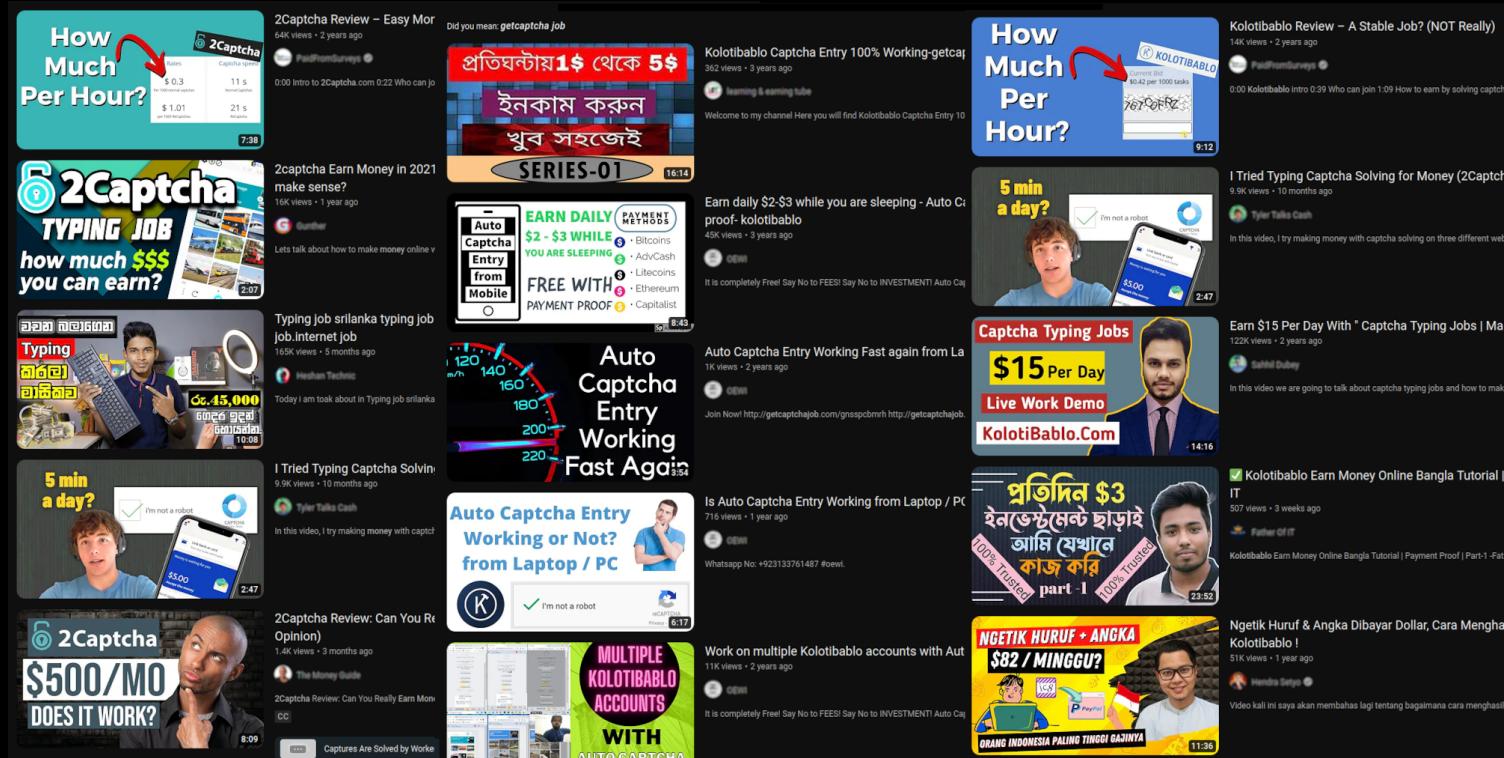
~\$ kolotibablo.com | Top referrers

The screenshot shows the kolotibablo.com dashboard with the following interface elements:

- Top Referrers:** A message box says "Oops, it seems that you are not taking part in this top list :(Generate a referral link and get paid by referring other workers!" with a "Start earning money now" button.
- Top Monthly Earnings Referrers:** A table showing the top 12 referrers based on monthly earnings.
- Right Sidebar:** Includes sections for Captchas, Finance, Settings, Referrals (with a pink highlighted "Top Referrers" button), Tools, and Information.
- Header:** Shows a profile icon, a flag icon, "Start working", and a balance of "\$0.0029".

Place	Name	Monthly Earnings
1	*****	\$288.58
2	*****	\$266.34
3	We Can Do It	\$255.18
4	We Can Do It	\$243.98
5	We Can Do It	\$238.25
6	*****	\$226.98
7	*****	\$176.25
8	*****	\$171.60
9	*****	\$156.85
10	*****	\$144.55
11	Aminur/josore Magir Chele	\$137.38
12	*****	\$124.92
13	*****	\$110.70

~\$ kolotibablo.com | Top referrers

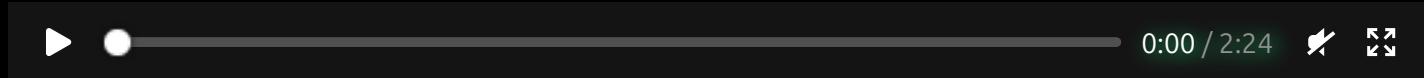


~\$ DEMO TIME

~\$ Solving captchas for profit



~\$ Solving captchas for fun



~\$ And what about artificial intelligence?

- Can ChatGPT solve CAPTCHAs for you?

~\$ And what about artificial intelligence?

- Can ChatGPT solve CAPTCHAs for you?
 - NO, but it can do this:

~\$ And what about artificial intelligence?

- Can ChatGPT solve CAPTCHAs for you?
 - NO, but it can do this:

V A Create a Burp Suite extension in Python, which will generate custom Intruder payloads using [IIIntruderPayloadGenerator API](#).
<https://portswigger.net/burp/extender/api/burp/iintruderpayloadgenerator.html>

In Burp's Intruder, I will use the Pitchfork attack type with custom wordlists. One of the payload sets will invoke our Burp extension, and it will do the following:

- 1) Sent a request to external API to: `createTask`
- 2) Sent a request to external API to: `getTaskResult`
- 3) Use JSON response value of `['solution'][gRecaptchaResponse']` to get a payload for Intruder

Remember to use native `HttpURLConnection` as we are using the Jython environment. The external API documentation is here:
<https://anti-captcha.com/apidoc/methods/createTask>
<https://anti-captcha.com/apidoc/methods/getTaskResult>

Example of the requests in bash:

```
...
#!/bin/bash

echo -e "\n[ OWASP reCaptcha bypass PoC ]\n"
```

T Sure, I can help you with creating a Burp Suite extension in Python using Jython. The following is an example of how you could use the `IIIntruderPayloadGenerator API` in the way you've described.

Please be aware that you will need to replace `'api-key'` and `'site-key'` with your actual keys.

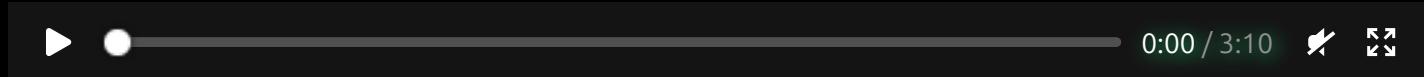
```
python
from burp import IBurpExtender
from burp import IIIntruderPayloadGenerator
from burp import IIIntruderPayloadGeneratorFactory

from java.net import URL, HttpURLConnection
from java.io import BufferedReader, InputStreamReader, OutputStreamWriter
from org.json import JSONObject

import time

class BurpExtender(IBurpExtender, IIIntruderPayloadGeneratorFactory):
    def registerExtenderCallbacks(self, callbacks):
```

~\$ Solving captchas for fun



THANK YOU !

Any questions ?

github.com/vavkamil/owasp-captchas