Detection and Prevention of Bots with GDPR first!

The State of the Internet

- 40% of all internet traffic is from bots
  - 15% “good” (crawlers, spiders)
  - **25% bad**
- Spam produces a lot of human work
- Services go down (DDOS)
- Sweepstakes and votings get manipulated

What is Bot 🤖

- Bots automate repetitive tasks on the internet
- Some bots are useful for web scraping, data analysis, and other legitimate purposes
- Most bots are harmful, as they can steal sensitive information, perform DDoS attacks, or generate fake traffic
- Do unattended tasks

Traditional Solutions

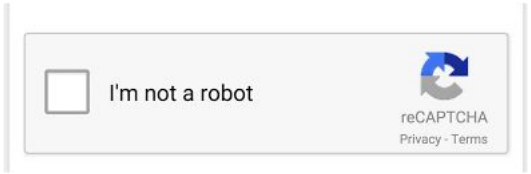
- IP/Geo blocking
- User-Agent blocking
- Spam filters
- CSRF

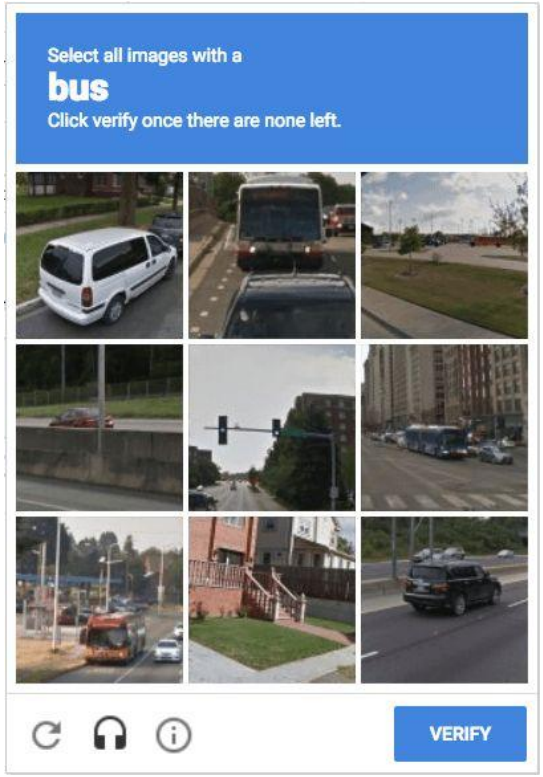
New age of complex Bots

- Full browser
- CSRF, sessions, they do it all!
- Stealth plugins (active community behind)
- Cheap cloud resources
- Botfarms are state-of-the-art

The best we came up so far!

Captchas





WHAT'S THE DEAL

One day to change them all

25 May 2018

EXCUSE ME, SIR
DO YOU HAVE A MOMENT TO TALK ABOUT GDPR?
imgflip.com

Drawbacks of current services

- 🇺🇸 based
- Expensive
- UX/UI intrusive
- Complex/Hard to to user for real humans.

Captcha.eu

- 🇪🇺 Native made hosted in 🇦🇹
- **GDPR first and ePrivacy ready**
- No user interaction needed
- No 🍪 - no session tracking
- Battle tested **@krone_at** 🗞️
- Works for any user interaction (not just form submits)

GDPR

- No cookies
- No personal information stored
- Oneshot ML
- 100% compliant with current regulations

Inner details

- ~100+ device characteristics to classify endpoint
- Machine learning
- Endpoint solves crypto puzzle
    - Pays with time and resources
- Making you an unattractive target
- Cost vs benefit from the bot pov

For Users

- 100% accessibility
- No puzzles
- No time wasting
- Reduce CAR due to users simply failing at solving
- Layout is your job, no “in form” div’s needed

For your Organization

- Cost-effective
- Easy to integrate
- **GDPR compliance**
- Increase engagement with “non-login” services

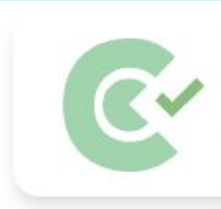
Some samples

Kronen Zeitung
15
4
Teilen
UNGLÜCK BEI SEILBAHN
Löste Heeresflugzeug tödlichen Arbeitsunfall aus?
Kärnten vor 11 Stunden
Weiterlesen

Integrations

- Ready to run:
  - WordPress (with all major form plugins)
  - Joomla
  - KeyCloak
  - TYPO3
  - CraftCMS
  - ….

- JS snippet + REST API
  - Works with any programming language
  - Samples are provided for: GO, PHP, node, rust….



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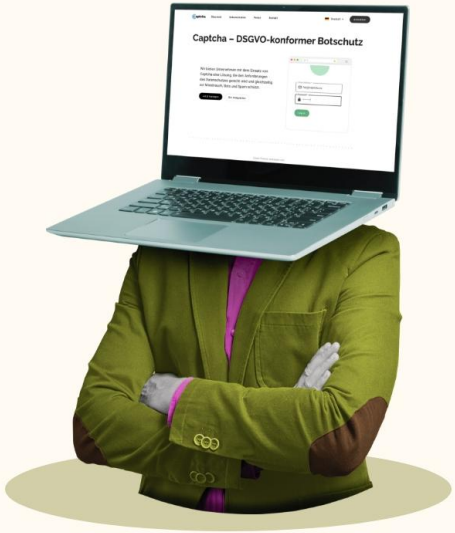

20% of with **”TYPO320”**

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hello@captcha.eu

@captcha_eu