

How Adversaries Outsmart CAPTCHAS





Fraudsters set their sights on the biggest rewards - targeting logins, checkouts, and gift card pages.



(3) API call to AIO platform

Adversary uses an All-In-One (AIO) platform that integrates with 3rd-party services that "solve" CAPTCHAs by using humans or Al and ML.



CAPTCHA presented

The targeted site attempts to identify and block bots using various human visual/audio challenges.



(4) CAPTCHA fails

An authorized token is generated by the 3rd-party service and the bot is able to slip past audio or visual challenges.



5 Disguising as human

To avoid detection, the adversary will program the bot to impersonate human behavior (clicks, mouse movements, etc.) or traffic patterns.

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Criminals monetize attacks
by committing online fraud or
selling accounts and
gift cards to other
cybercriminals