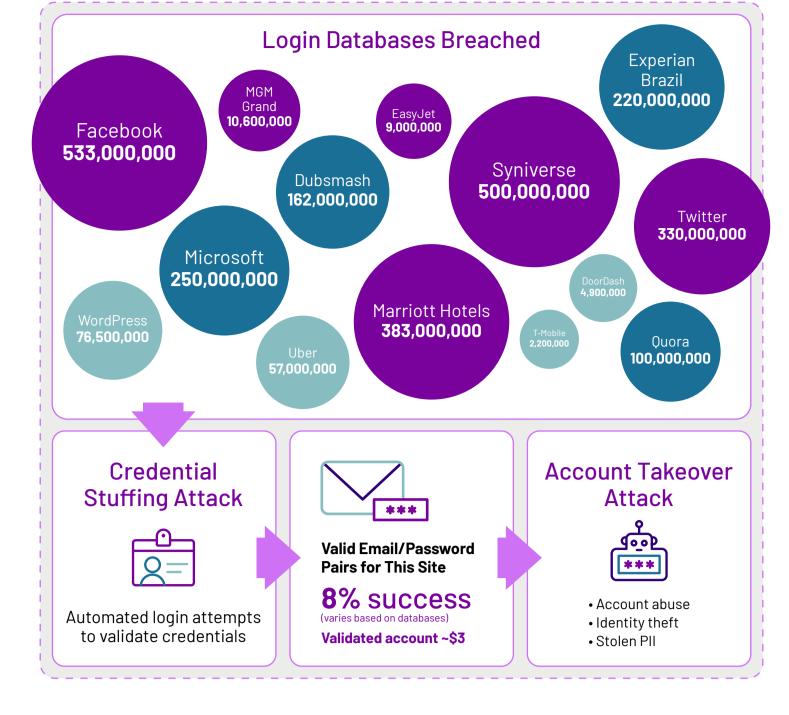
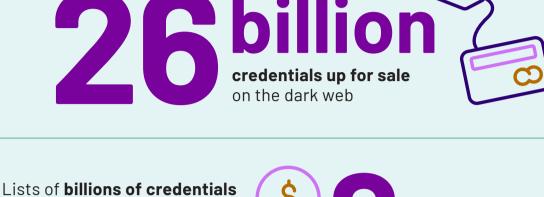
What is Credential Stuffing?

Credential stuffing is an attack in which cybercriminals use bots to attempt logins on popular sites using stolen usernames and passwords. If a login is successful, the validated credential pair is used by the cybercriminals to commit account takeovers or sold on the dark web.



Credential Stuffing Attacks There are more than

It is Cheap and Easy to Run



can cost as little as



Zdollars

66% of people reuse passwords across multiple online accounts

Credentials Are a Renewable Resource

of account takeover victims

multiple online accounts

use the compromised password across

It is very easy to launch a highly distributed campaign with bots that pretend to be browsers. Because the number of requests from a single source is small and doesn't exceed the limit of requests from an IP address, bot Credential Stuffing attacks fly under the radar.

Why Credential Stuffing Attacks

Are So Difficult to Detect

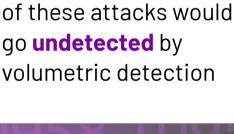
>1,000 366,000 10,000

different IP addresses



2021





Malicious login attempts averaged

of all

login attempts in the second half of 2021

annually due to ATO attacks

attempts per hour

Malicious login (up from **75%** in the **first half** of 2021) attempts rose

Credential Stuffing Attacks are On the Rise



year over year



Credential Stuffing Attacks High operational costs for **Increased demand** for Damage to brand reputation infrastructure and bandwidth and consumer trust customer resources

Business Impact of



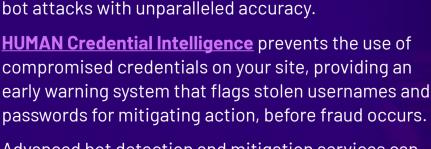
Stuffing Attacks?



Lawsuits and



stock prices



Advanced bot detection and mitigation services can reduce the negative impact of malicious bots by more than 50% at times of peak bot traffic.

HUMAN Bot Defender leverages machine learning,

detect and stop sophisticated credential stuffing

behavioral analysis and predictive analytics to

[an] amazing support team, great vision, and an ever-growing hunger for success.

I found HUMAN to be the ultimate vendor with

 Reference Customer from the Forrester Wave[™]: Bot Management, Q2 2022 SOURCES: Aberdeen Strategy & Research: Quantifying the Impact of Bad Bots on E-commerce Merchant Profitability; Account Takeover 2021 Annual

Learn more at www.humansecurity.com

Report: Prevalence, Awareness and Prevention; Digital Shadows: From Exposure to Takeover: The 15 Billion Stolen Credentials Allowing Account Takeover;