FOREGENIX

ECOMMERCE THREATSCAPE

MAY 2023

INTRODUCTION

- Cyber security business, strong focus within "payments"
- Specialist, global business / ~95 Global Employees
- Queen's Award for Enterprise 2019
- Privately held, profitable & self-funded
- Founded in 2009

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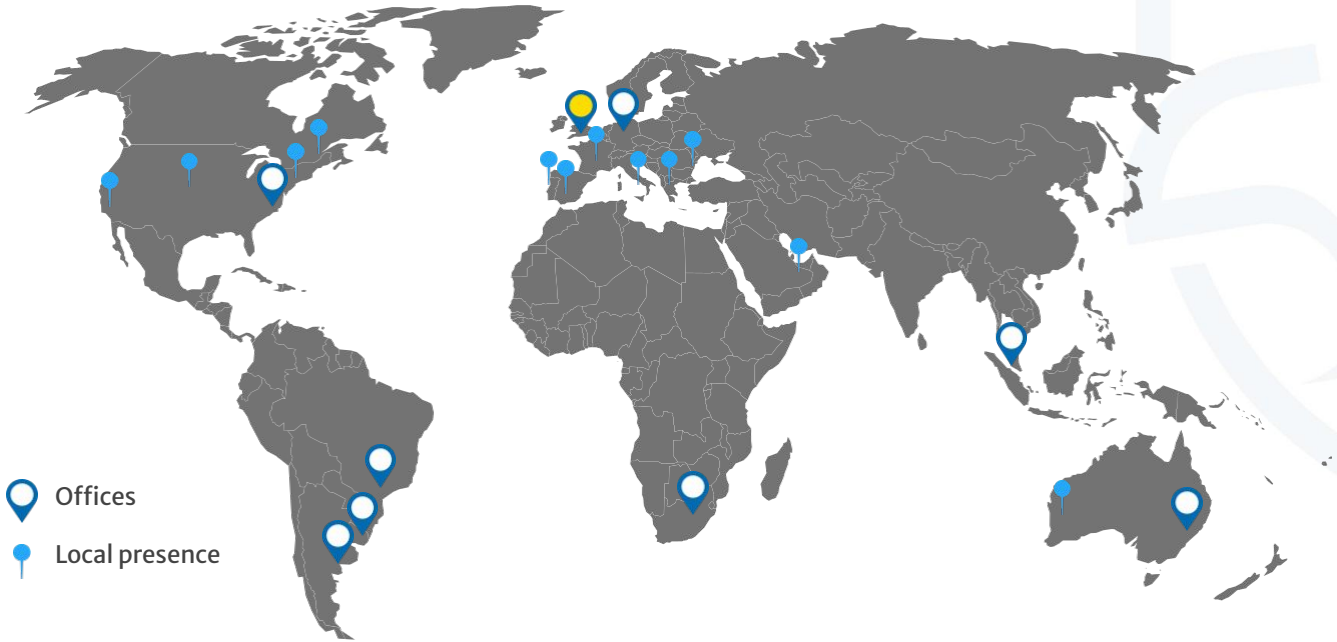
GLOBAL PRESENCE



Offices

Australia
Brazil
Germany
Singapore
South Africa
United Kingdom (HQ)
Uruguay
USA

12+
Languages

20+
Countries

1,000s of
Satisfied Clients

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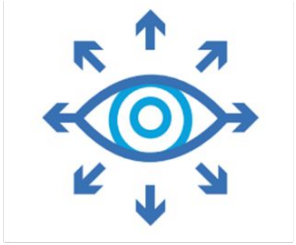
EXECUTIVE SUMMARY

Foregenix eCommerce Threatscape

Digital Forensic and Incident Response team works with large numbers of hacked eCommerce sites **globally**



provides us with **vital intelligence** on:

- New malware in the wild
- Early stage threat trends
- Capability to detect these threats at scale

intel feeds directly into our **ThreatView** solution to monitor the global **eCommerce Threatscape**

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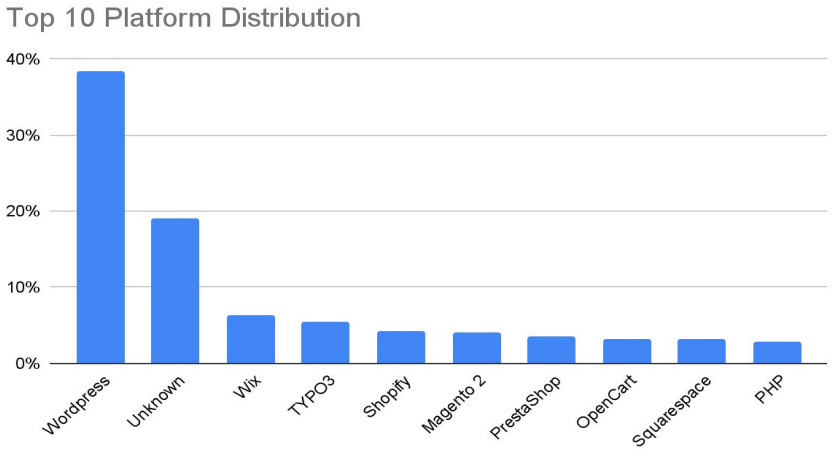
PORTFOLIO OVERVIEW



Portfolio: 12.4m+ websites

Our portfolio has built up over nearly a decade of providing free website security assessments and consists of predominantly eCommerce websites.

The portfolio is assessed every fortnight using the latest threat intel, combined with a threat database from nearly 14 years of eCommerce forensic investigations.

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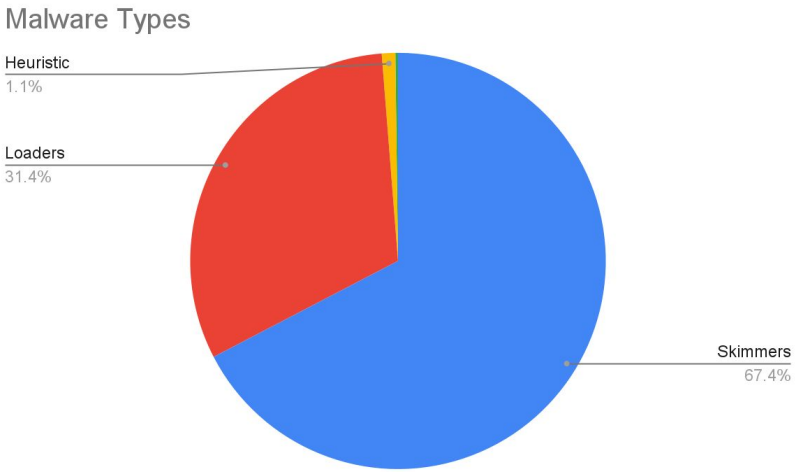
HACKED ONLINE BUSINESSES



Hacked Sites: 7,805

These are websites with:

- Card skimmers stealing payment data
- “Loaders” that load malware from malicious domains to skim/steal payment data
- Heavily obfuscated files that trigger heuristic detection rules for card harvesting malware.

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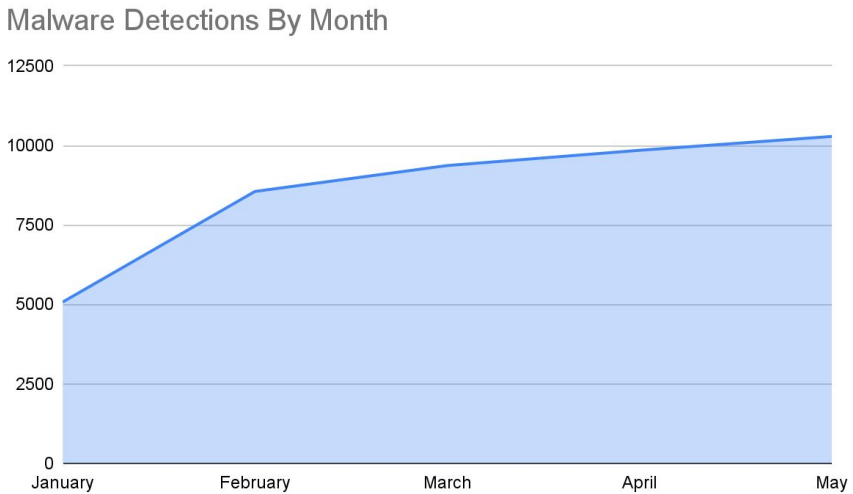
ALERT: MALWARE DETECTIONS GROWTH

Increase in Malware detected: 102% since Jan 2023



Significant increase in Malware since Jan 2023:

- 7,805 sites compromised (up from 7,801 last month)
- Over 10,000 instances of “Loader” and “Skimmer” malware code detected worldwide.

NB: Many sites have infections with multiple types of malware. “Riddled” with malware.

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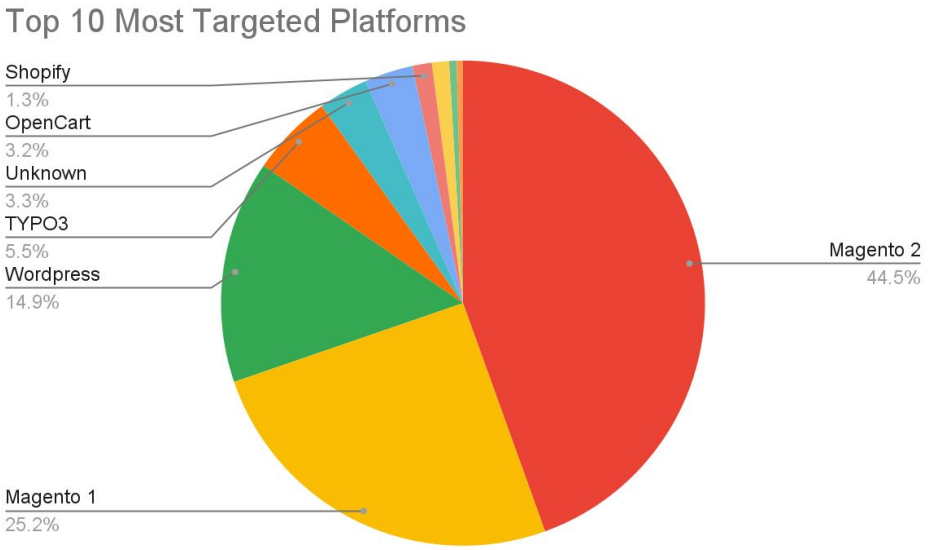
TARGETED PLATFORMS



Targeted Platforms

Top 5 Compromised Platforms:

1. Magento 2 (3.37%)
2. Magento 1 (3.14%)
3. Wordpress (0.12%)
4. TYPO3 (0.31%)
5. OpenCart (0.31%)

The figure in brackets is the percentage of the merchants using that platform that are compromised. This adds further context to the risk associated with each platform.

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TARGETED PLATFORMS

Significant Increases month over month:

Platforms with significant increase in hacked sites month over month:

1. Magento 2 (+345)
2. Wordpress (+39)
3. Shopify (+24)

The figure in brackets is the number of additional sites compromised compared with previous month.

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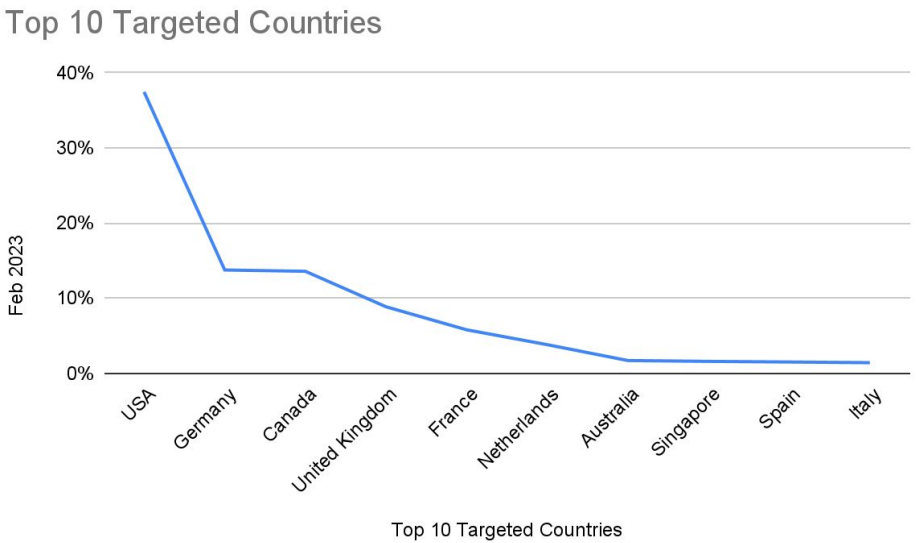
TOP 10 TARGETED COUNTRIES



Targeted Countries

Top 5 Countries with most breached websites:

1. US
2. Germany
3. Canada
4. United Kingdom
5. France

NB: These websites are compromised predominantly with Payment Card Harvesting Malware

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TOP 10 TARGETED COUNTRIES

Increases in # of hacked sites

Countries with greatest proportional increase in compromised sites:

1. United Kingdom (9.14%)
2. Australia (8.44%)
3. Canada (6.11%)

NB: These websites are compromised predominantly with Payment Card Harvesting Malware

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HIGH RISK WEBSITES

High Risk Sites: 2.33%

These are sites that are likely to be targeted by criminals.

They exhibit one or more of the following characteristics:

- Missing critical security patches
- Have exposed admin pages (easily targeted with brute force attacks)
- Have critical vulnerabilities exposing their online business to cyber threat.

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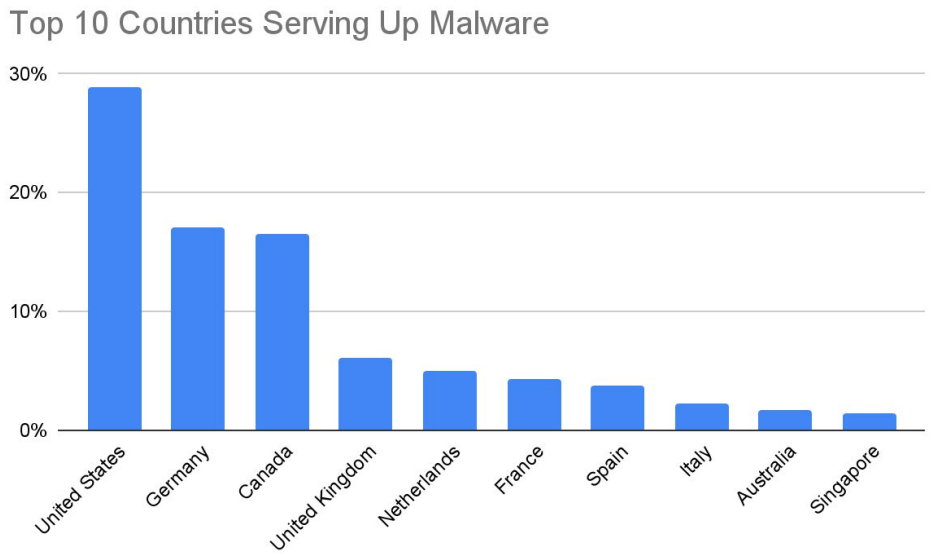
MALICIOUS DOMAIN SOURCES



Serving up Malware

Top 5 Countries serving up Card Harvesting Malware:

1. US
2. Germany
3. Canada
4. United Kingdom*
5. Netherlands

NB: These countries are where the malware is being served from, not necessarily where it originates.

***UK had a 42% increase in malware sources detected compared with last month.**

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FOREGENIX MAGENTO UPDATE

Magento (Adobe Commerce).

Magento 1 was "end of lifed" in June 2020. As the most targeted platform by criminals over the last 4-5 years, we keep a close watch on the Magento Threatscape. Here are the migration stats:

Platform	May 2021	May 2022	May 2023
Magento 1	134,924	91,817	86,411
Magento 2	101,795	103,781	141,746

WHY ARE THESE SITES BEING HACKED?

Criminals target the websites easiest to hack.

The vast majority of hacked sites share the same characteristics:

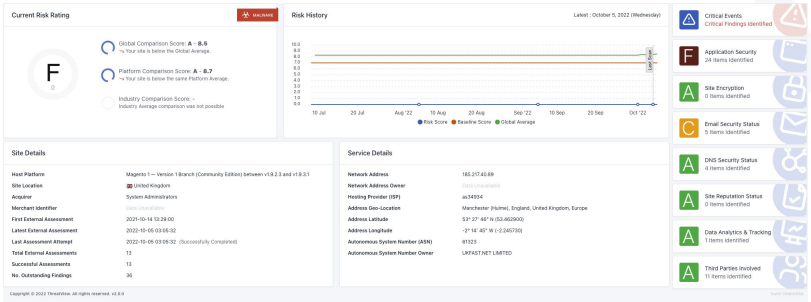
- Out of date software
- Basic security errors (exposed Admin login)
- Limited/no proactive security measures

Most common denominator: **lack of cyber security awareness/skills.**

HOW CAN YOU GET PROACTIVE?

Step 1: Understand your website's CURRENT risk status:

[ThreatView – FREE Threat Detection Service]



Step 2: Take action to mitigate the risks.

*See our blog for simple steps to secure your online business.

Step 3: Monitor for threats. Keep secure while the threatscape evolves.

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THANK YOU

(Any feedback on content would be gratefully received so that we can improve the information provided)

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