INTRODUCTION

- Founded in 2009
- Focus on delivering a high quality, valuable service
- Strong focus on cyber security within "payments"
- Leading forensic team to assist hacked businesses
  - One of only three forensic specialists engaged directly by all three major Card Brands
  - Performed investigations on every continent
  - The 'go to' firm for the more *sensitive* investigations
- Small, but global business
- ~95 Global Employees
- Privately held, profitable & self-funded

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GLOBAL PRESENCE

Headquarters
▪ United Kingdom

Regional Offices
▪ USA

▪ Australia

▪ Uruguay

▪ Germany

▪ South Africa

▪ Brazil

▪ Singapore

OFFICES

LOCAL PRESENCE

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THE eCOMMERCE THREAT

eCommerce growth is outstripping every other sector
$1.3 trillion in 2014 - $4.5 trillion in 2021 (246% growth)

Compromise rates are outstripping every other sector too

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FOREGENIX FORENSIC STATISTICS

12 Months Data

85% of the breaches investigated are EU-based

>75% are eCommerce

>85% are Magento websites

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This trend began **years** ago

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Common characteristics of hacked eCommerce Websites:

Very out of date website software

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FOREGENIX FORENSIC STATISTICS

Common characteristics of hacked eCommerce Websites:

Basic Security Errors

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Common characteristics of hacked eCommerce Websites:

Little/No proactive Security measures beyond PCI Scan

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Common characteristics of hacked eCommerce Websites:
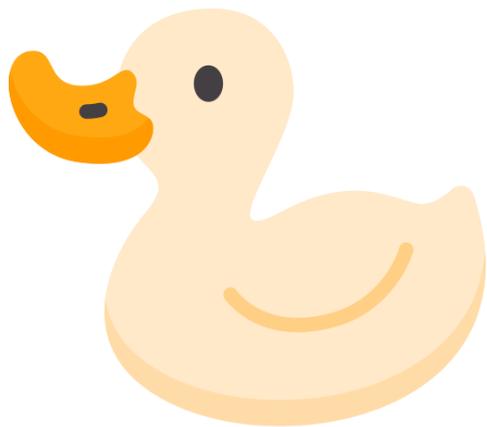
Basically, they were "sitting ducks" waiting to be hacked

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Common characteristics of hacked eCommerce Websites:
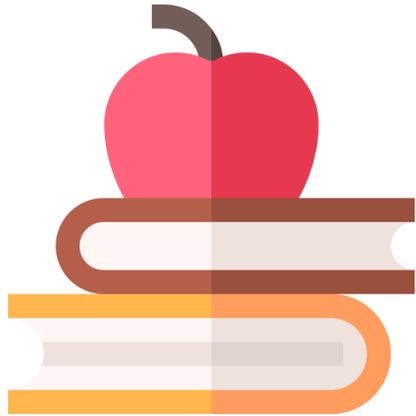
Lack of security skills & knowledge

FOREGENIX FORENSIC STATISTICS

So a few years ago we built a solution to the problem

1.

A FREE website scan
simple to check & educational

2.

A Website Security Solution
With packages from free to fully customisable

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CHECK YOUR WEBSITE SECURITY

We provide Peace of Mind and a GREAT Service.

2 months of our top tier managed service - for FREE:

Sign up page: www.foregenix.com/screenpages

Use this code for an additional **20% off for life** during sign up: **Screenpages**

(Code valid until 27th September & may be used for all versions of FGX-Web)

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⊚ **8 locations**

Reviews 6 • Great

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FOREGENIX FORENSIC STATISTICS

Website owners started scanning their sites...

foregenix.com/webscan

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FOREGENIX WEBSCAN STATISTICS

Monitoring ~ 9 million websites globally

- Cardholder data stealing malware
- Patching levels (software)
- Risk Levels
  - **Critical** (already hacked & card data actively being stolen)
 - **High** (at risk of being hacked easily)
  - **Medium** (some issues, unlikely to get hacked)
  - **Low** (hacking unlikely)

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FOREGENIX WEBSCAN STATISTICS

3.8 Average Risk Score	0.47% Minimal Risk	89.70% Low Risk	0.02% Medium Risk	9.79% High Risk	0.02% Critical Risk
5290918 live sites websites	24850 websites	4745704 websites	1061 websites	518202 websites	1101 websites

Summary - **8748820** sites scanned on **Thursday, 04 April 2019 13:50** and completed **Monday, 15 April 2019 09:57**

North America Risk Score: 3.8 — Live Sites: 3281897, Blocked/Dead: 1430660, Blacklisted: 1861, Malware: 831, Card Harvesting Malware: 729

Europe Risk Score: 3.9 — Live Sites: 1533369, Blocked/Dead: 529812, Blacklisted: 581, Malware: 485, Card Harvesting Malware: 240

Asia Risk Score: 3.7 — Live Sites: 301339, Blocked/Dead: 105729, Blacklisted: 295, Malware: 82, Card Harvesting Malware: 84

South America Risk Score: 3.9 — Live Sites: 44358, Blocked/Dead: 16438, Blacklisted: 31, Malware: 12, Card Harvesting Malware: 11

Africa Risk Score: 3.7 — Live Sites: 23809, Blocked/Dead: 5568, Blacklisted: 28, Malware: 19, Card Harvesting Malware: 4

Oceania Risk Score: 3.9 — Live Sites: 102283, Blocked/Dead: 48258, Blacklisted: 58, Malware: 48, Card Harvesting Malware: 33

GLOBAL WEBSCAN STATISTICS

Critical: 1,101

0.02%

Hacked websites
losing payment data

High: 518,202

9.79%

Websites considered
at risk - easy to hack

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MAGENTO GLOBAL WEBSCAN STATISTICS

8.5	0.49%	9.45%	0.73%	88.81%	0.51%
Average Risk Score	Minimal Risk	Low Risk	Medium Risk	High Risk	Critical Risk
175325 live sites websites	866 websites	16570 websites	1287 websites	155704 websites	898 websites

Summary - **175338** sites scanned on **Tuesday, 14 May 2019 16:33** and completed **Thursday, 16 May 2019 03:22**

Critical: 898

0.51%

Global hacked sites

High: 155,704

88.81%

Websites considered
at HIGH risk - easy to hack

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WHY MAGENTO IS BEING TARGETED?
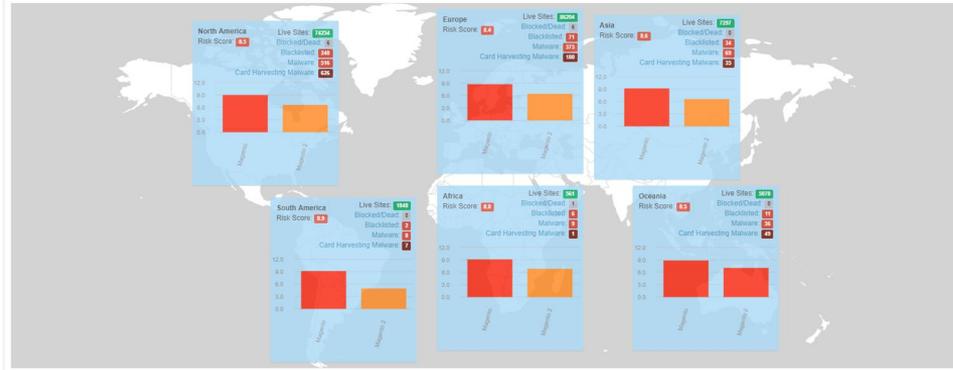
Critical: 898

81% of critical (hacked) websites

Are MAGENTO websites

Why is Magento being targeted?

High: 155,704

30% of HIGH risk websites

Missing patches, exposed admin pages, etc...

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WHY IS THIS RELEVANT?

Example: Vision Direct on notification of breach

HOW MUCH DOES A BREACH COST?

Average time a business is breached for: 5 months.

Up to 10,000 txns/year	50,000 txns/year	1 million txns/year
€3,000 Visa Assessment Fee	€3,000 Visa Assessment Fee	€3,000 Visa Assessment Fee
£3,000 PFI Lite Investigation	£8k + Forensic Investigation	£8k + Forensic Investigation
No liabilities	€18/card exposed = **€375k**	€18/card exposed = **€7.5m**

There are additional criteria that could reduce the penalties e.g self notification, working with the brands during investigation etc.

IS SECURITY WORTH IT?

WHAT IS THE COST / BENEFIT?

FGX-Web Protect Business Managed Service

- Scalable - suits most high volume sites
- Run/managed by security pros/geeks
- Highly effective
- With a warranty of £50,000/website/year
- Our most "expensive" tier*

Monthly cost: £317/month

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TOP TIPS TO PROTECT YOUR CLIENTS

90%+ of hacked websites could have avoided the issue with:

1. **Simple but fundamental** changes in website management
2. **Minimal** investment in technology

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TOP TIPS TO PROTECT YOUR CLIENTS

Follow these 5 steps to avoid being "low hanging fruit":

1. **Update your software.** Security patches are important. Not optional.
2. **Create a custom admin path.** Default settings make it easy for hackers.
3. **Passwords/MFA.** Best "bang for buck". Simple, highly effective.
4. **User Management.** Review regularly. Monitor daily.
5. **Monitor Website Security.** Changes, malware sweeps, admin activity, PCI DSS.

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LET'S WORK TOGETHER

You're eCommerce specialists.
We're cyber security specialists.

Our goal: to educate and assist/protect the Magento Community.

If you need help, give us a call.
foregenix.com | hello@foregenix.com

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THANK YOU

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e 2019

PAYMENTS AWARDS 2015 SHORTLISTED

pcidss Featured Listing