

MAGENTO WEBSITE SECURITY REPORT

CONTACT US

WWW.FOREGENIX.COM/WEBSCAN

TEL: +44 845 309 6232

28TH DECEMBER 2020

PRODUCED BY FOREGENIX

OVERVIEW WHO IS FOREGENIX?

We are a leading independent cybersecurity company with a focus on keeping the world's payment systems secure.

With over a decade of experience in the Payment Card Industry (PCI), we help merchants, payment processors, banks and other operators to ensure they are securing their environments effectively while complying with industry security standards.

We won the Queen's Award for Enterprise in 2019.



WHAT DO WE DO?



**COMPLIANCE
& RISK**



**DIGITAL FORENSICS &
RESPONSE**



**CYBERSECURITY
TECHNOLOGY**



28TH DECEMBER 2020

OVERVIEW WHAT IS WEBCAN?

We currently monitor over

260,000

Magento Merchants

GLOBALLY

WebScan is our comprehensive non-intrusive website scanning solution. It analysis websites for specific security vulnerabilities to produce a risk score.

The scans are passive, meaning it looks for publicly available information (just like criminals do), and at no point does it try to exploit vulnerabilities.

WebScan looks for:

- Malware (including card skimmers)
- Platforms and patching information
- SSL issues

We like to say that WebScan is the most up-to-date website scanning solution in the market, as it is constantly updated by both our forensic team and Threat Intelligence Group.



OVERVIEW THE RISK CATEGORIES

CRITICAL



Already hacked, card data actively being stolen

HIGH



At risk of being hacked - easily

MEDIUM

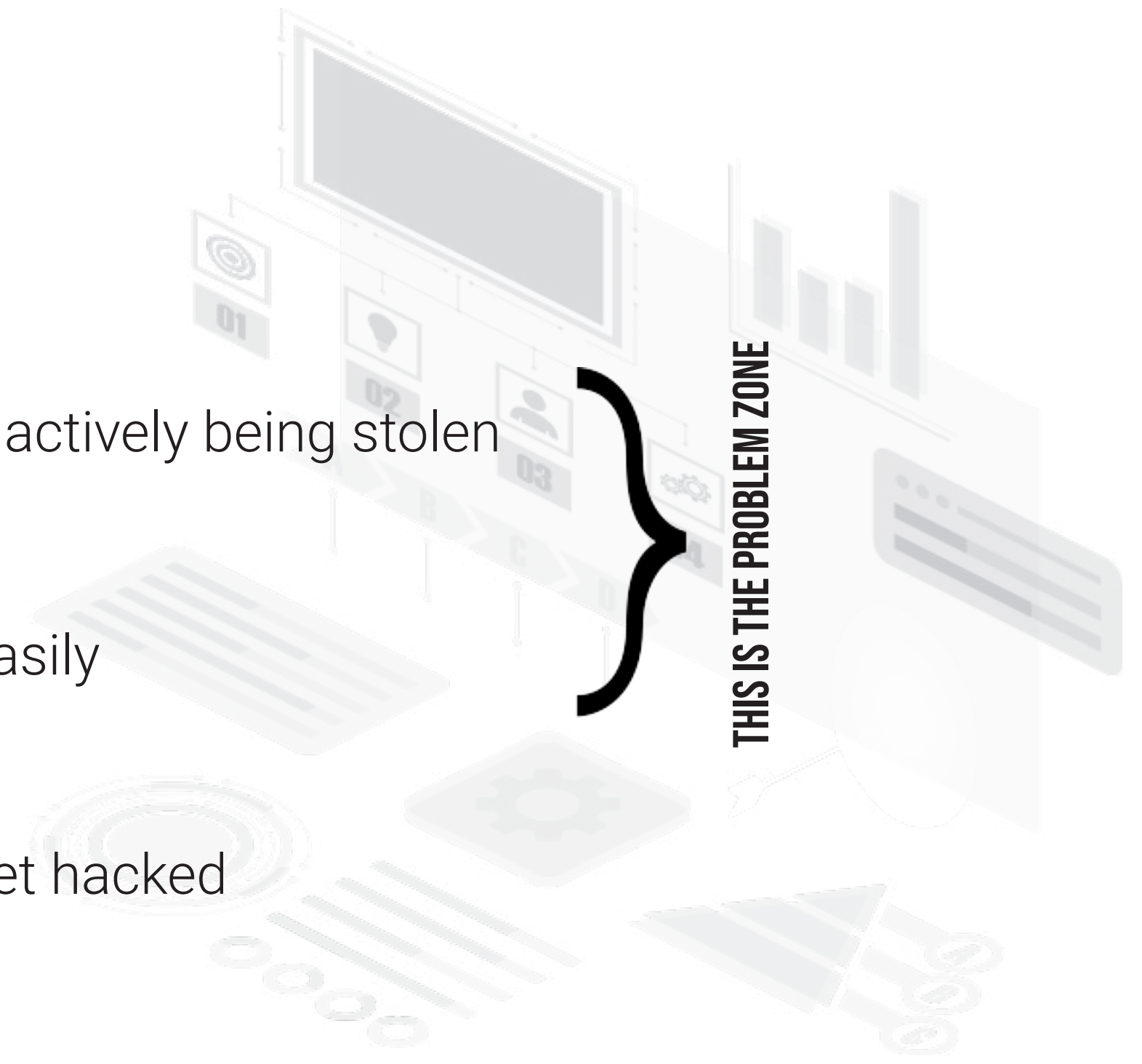


Some issues, unlikely to get hacked

LOW



Hacking unlikely



OVERVIEW SUMMARY

Over **160,000** websites remain on the Magento 1 platform

Magento websites had a slight **INCREASE**

1,602 Magento websites are hacked, with card-harvesting malware.

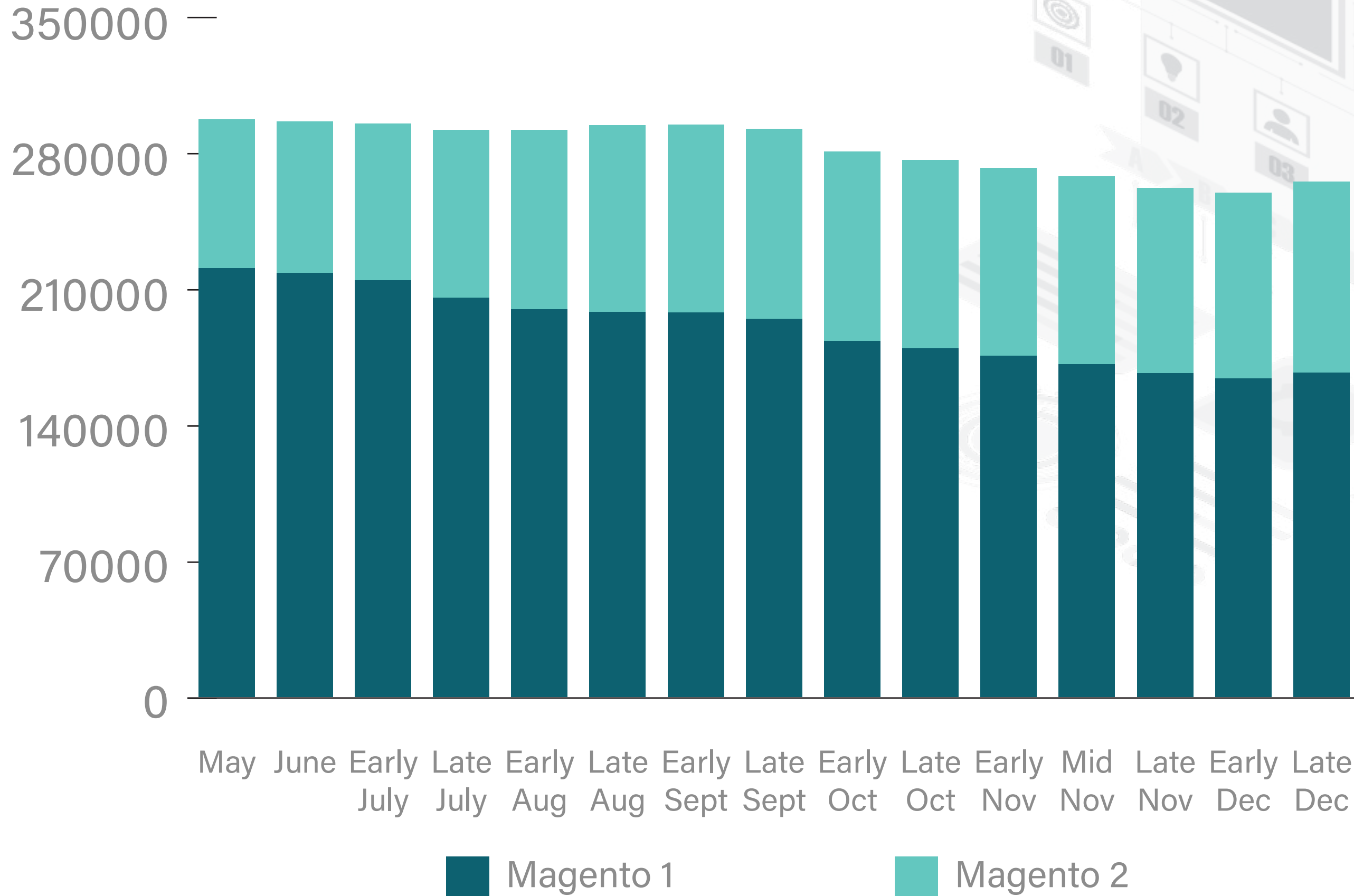
28% of Magento 2 websites are High/Critical Risk

MAGENTO 1 AND 2 REMAIN THE MOST TARGETED PLATFORM BY CRIMINALS



WEBSCAN RESULTS

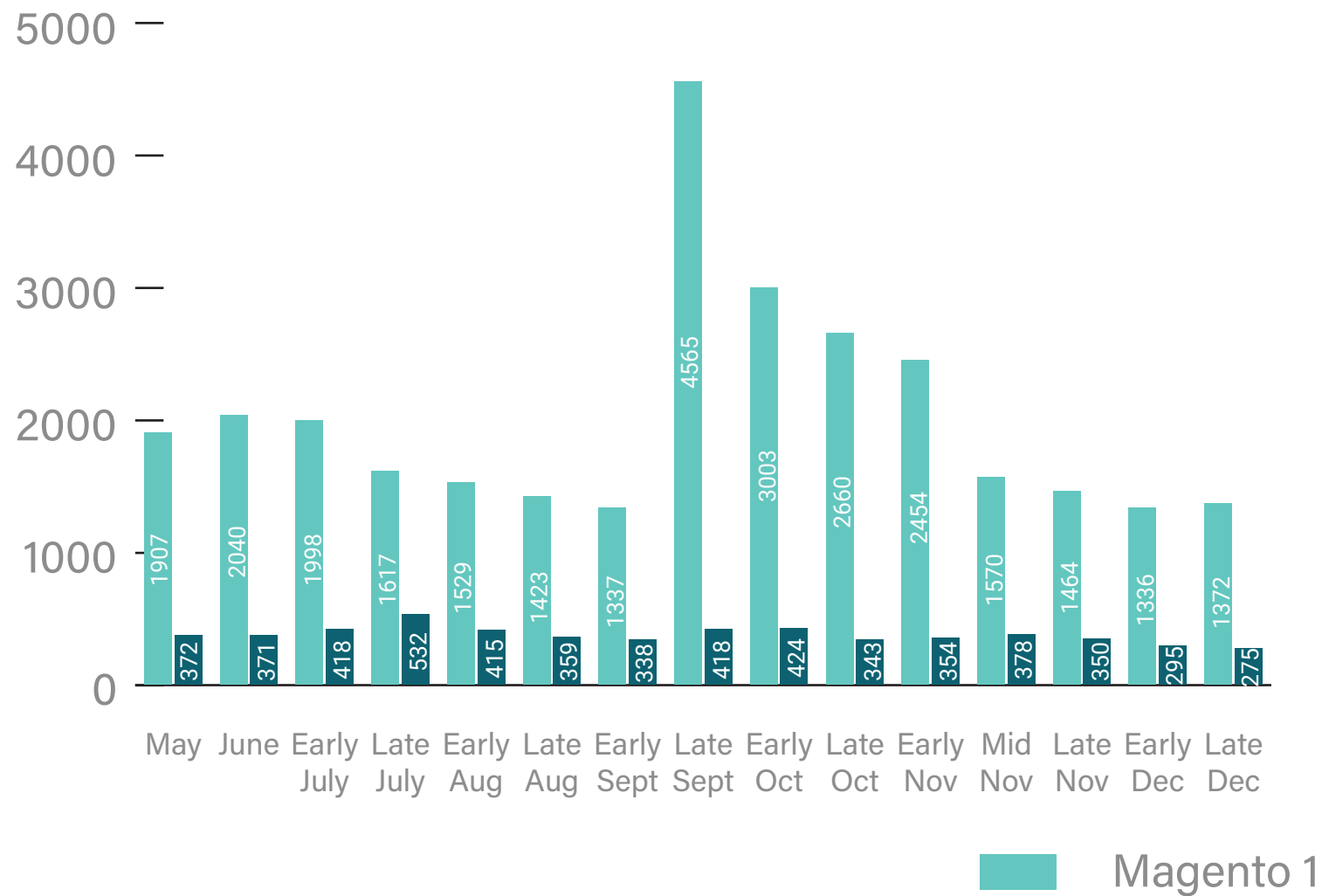
WEBSITE NUMBERS (ALL MAGENTO)



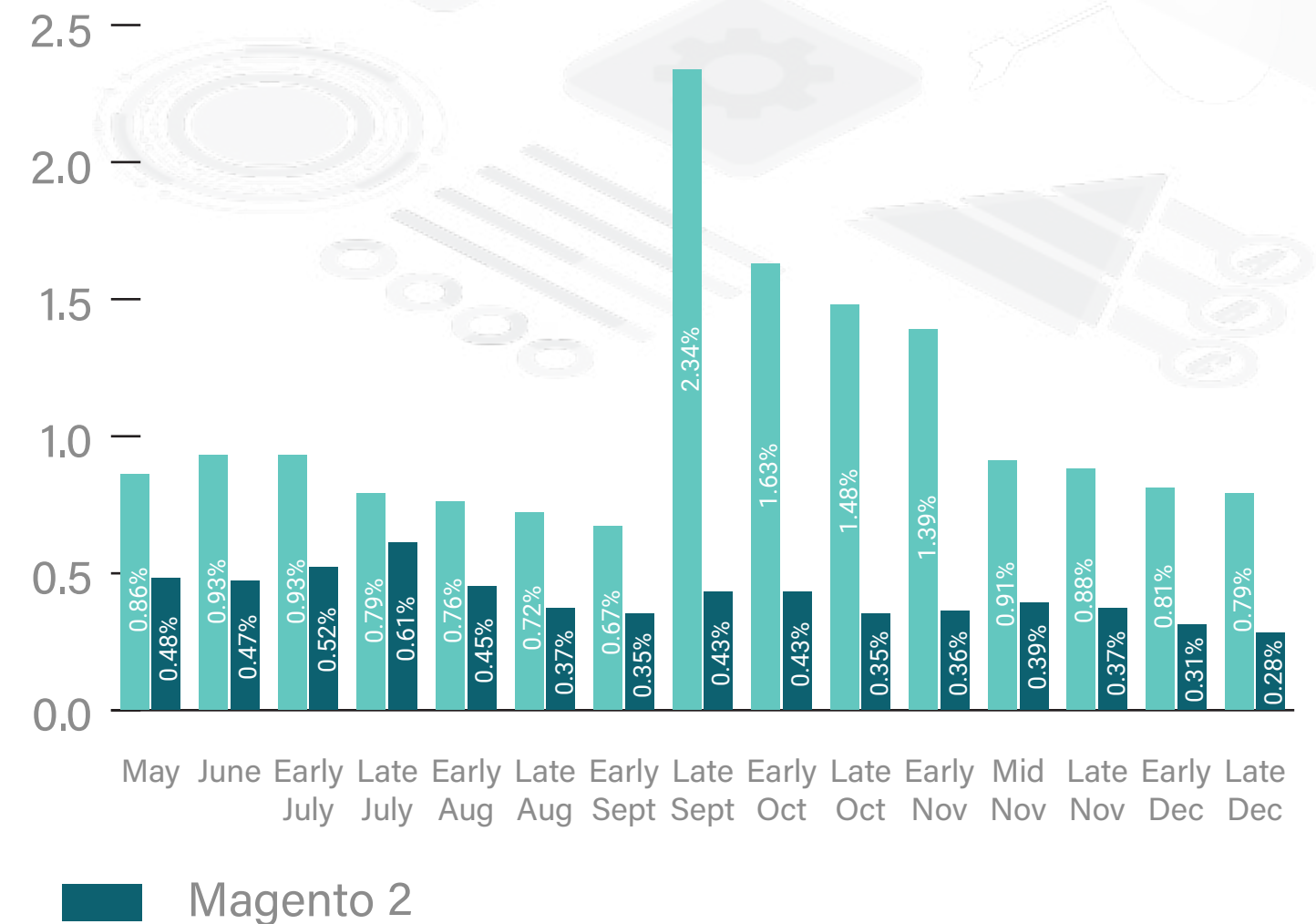
WEBSCAN RESULTS **CRITICAL RISK**

Websites with Critical Risk have already been hacked (with card data being actively stolen).

ACTUAL NUMBERS



PERCENTAGE OF TOTAL SITES

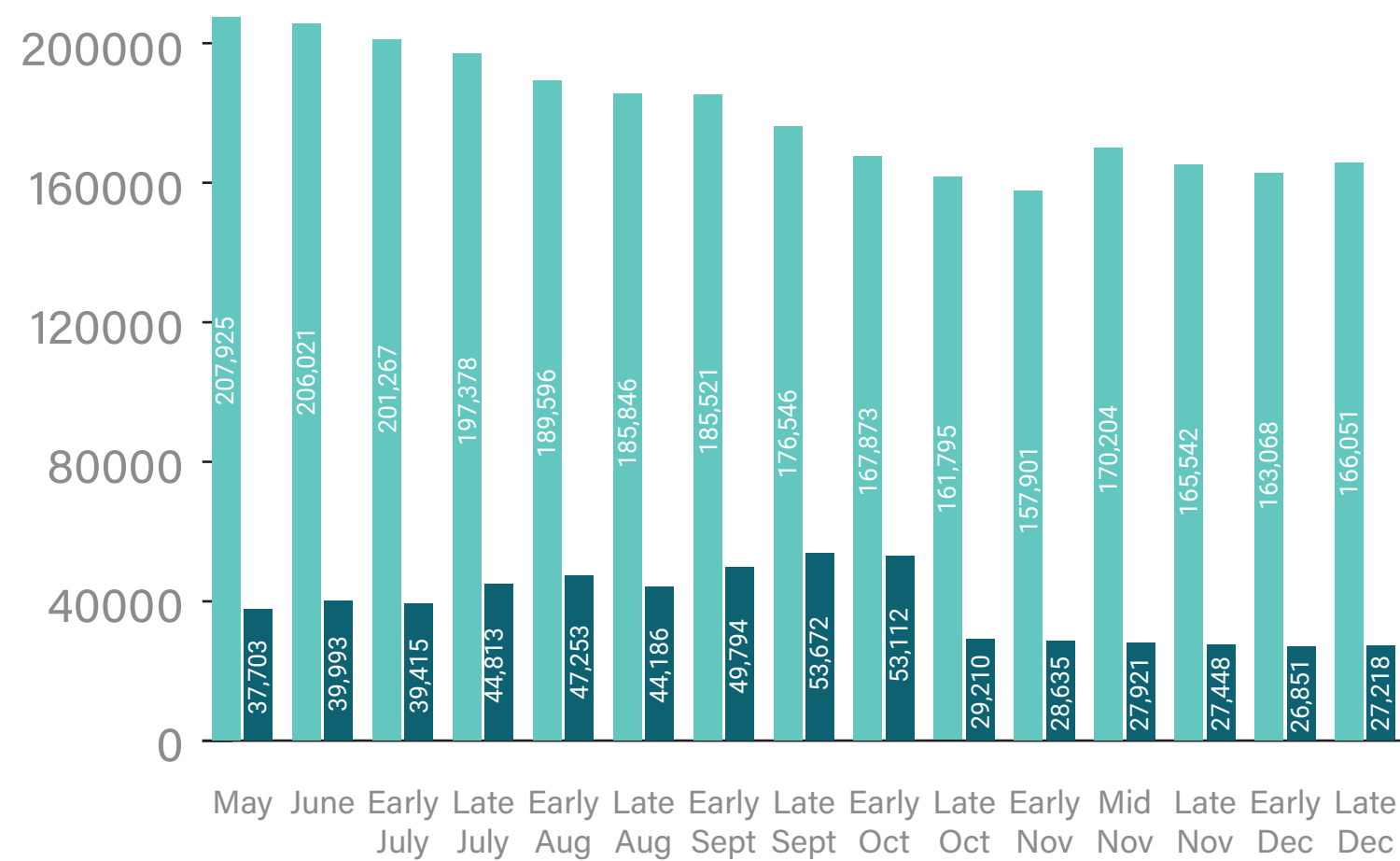


WEBSCAN RESULTS HIGH RISK

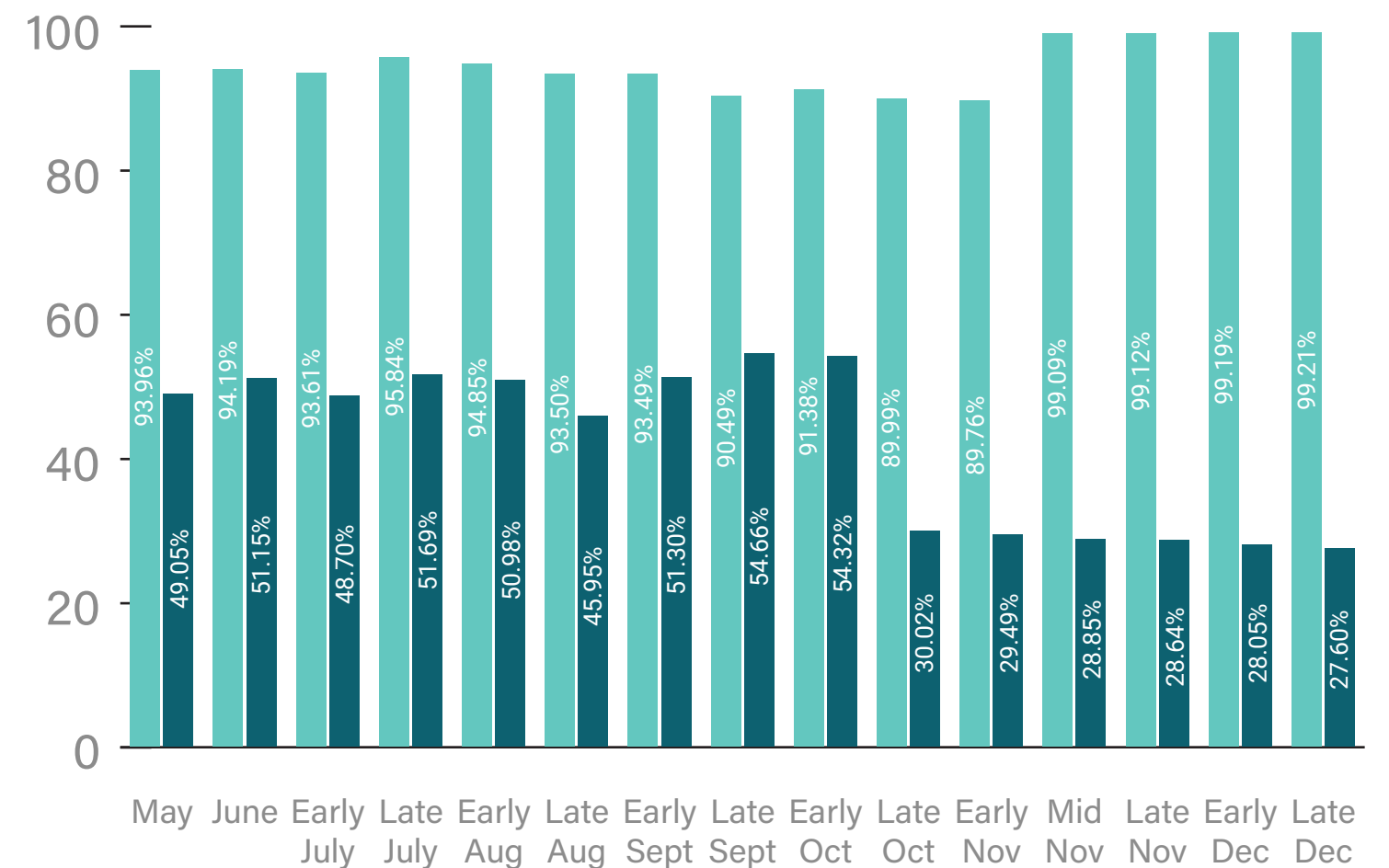
Websites with High Risk have significant security issues that make them very vulnerable to criminals. The sites have one or more of the following:

- Missing critical framework security patches
- Has known framework vulnerabilities
- Security issues with website setup
- Non Card Harvesting Malware

ACTUAL NUMBERS OF HIGH RISK SITES



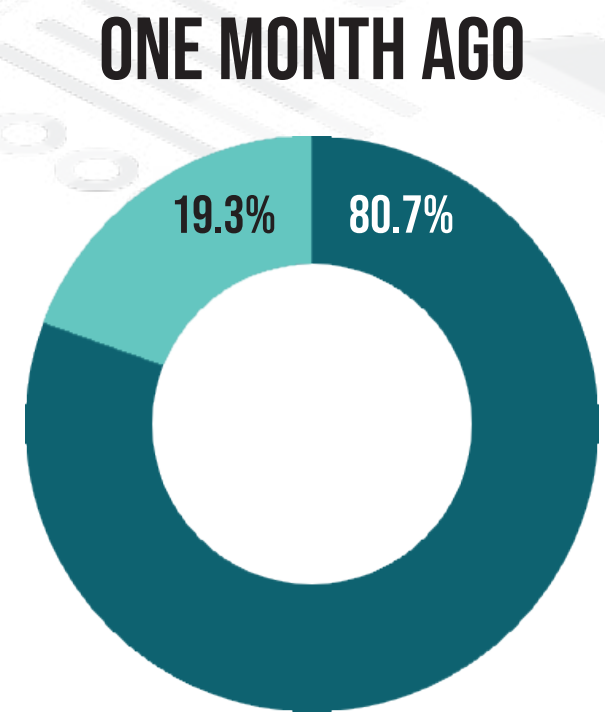
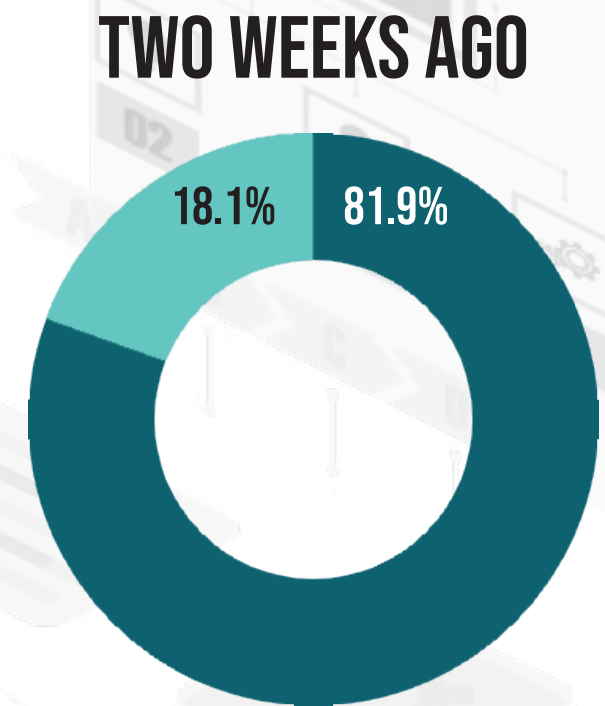
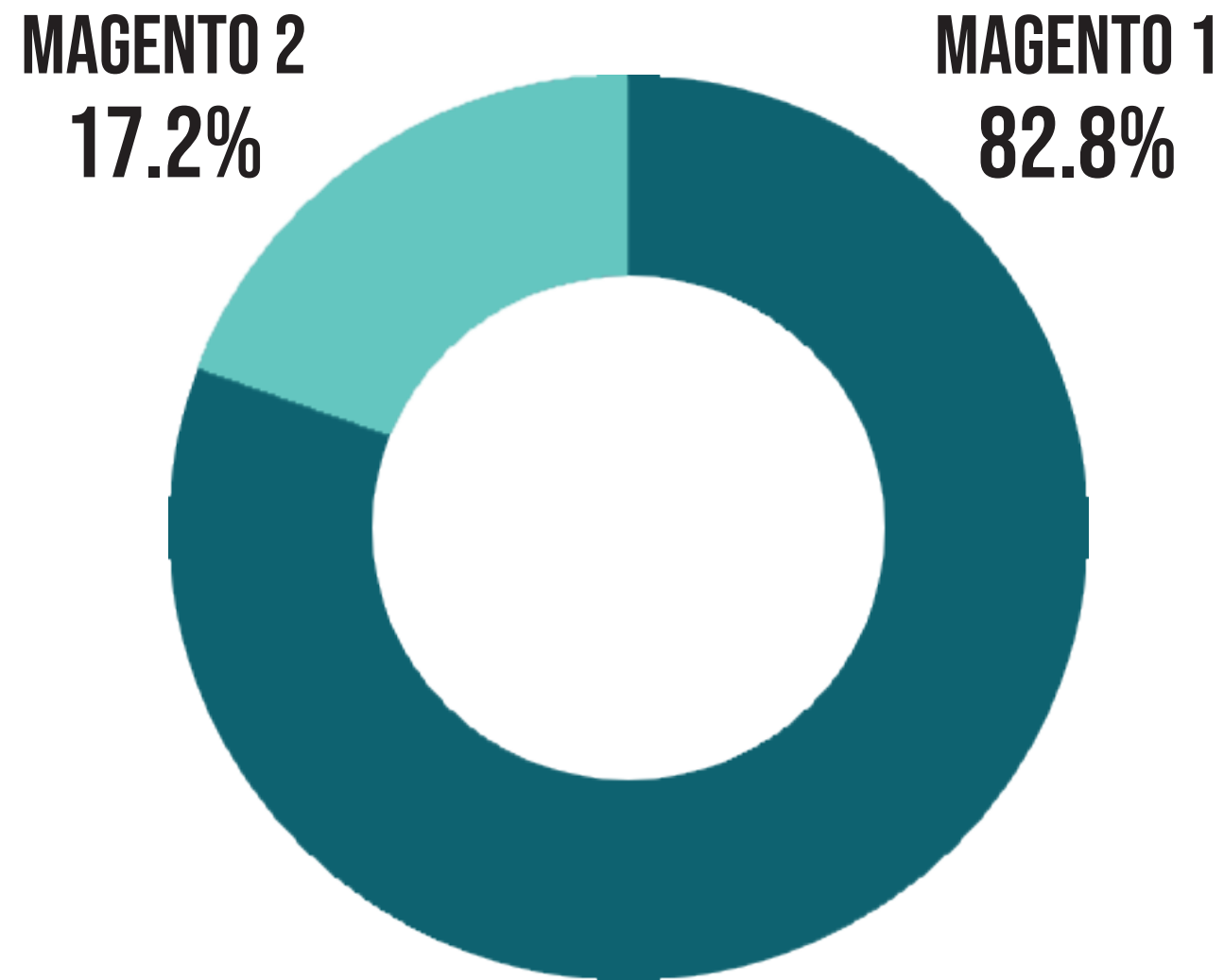
PERCENTAGE OF TOTAL SITES



■ Magento 1 ■ Magento 2

WEBSCAN RESULTS

CARD-HARVESTING MALWARE DISTRIBUTION



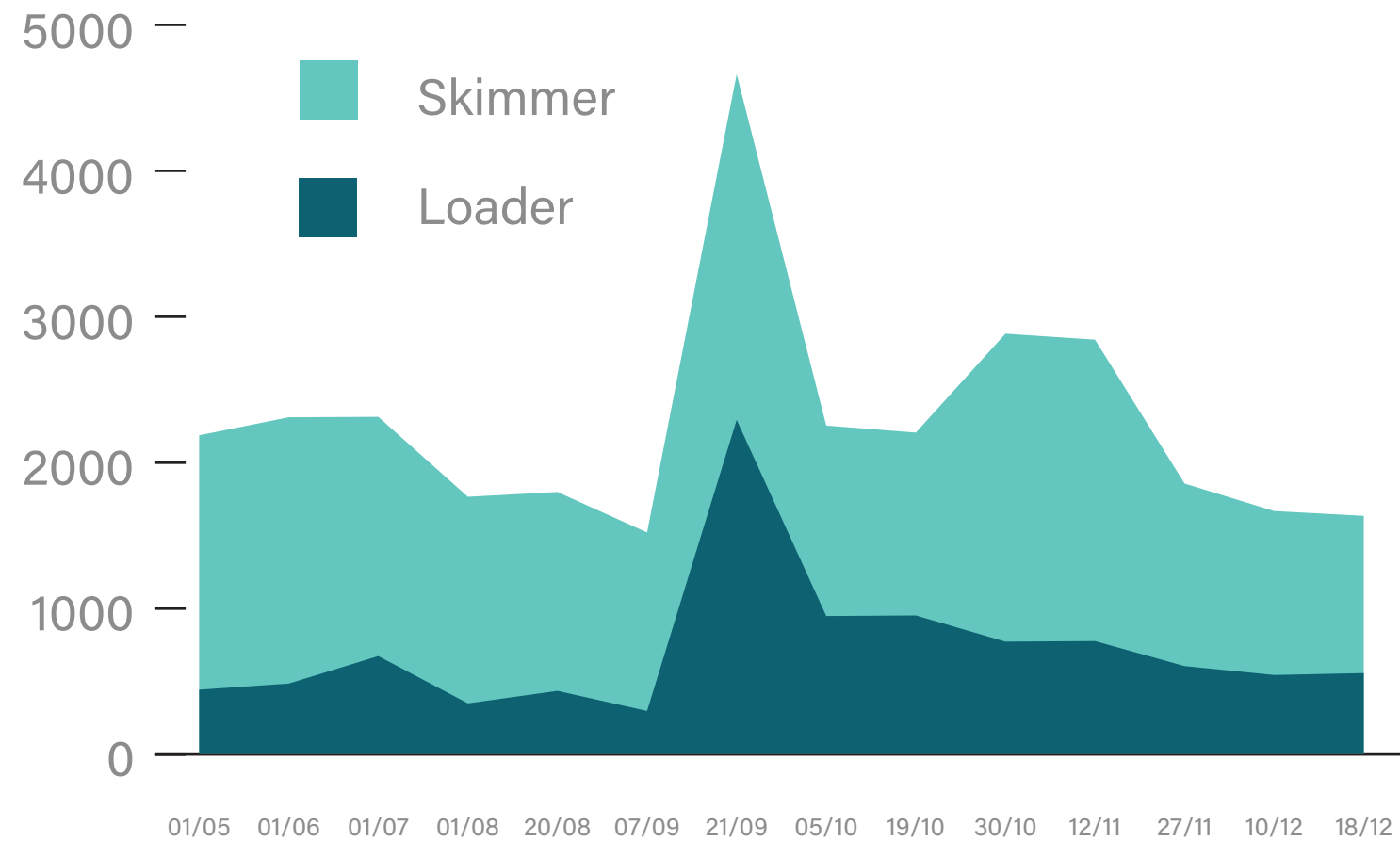
WEBSCAN RESULTS MAGENTO 1 & 2 - LOADERS & SKIMMERS

We also track how many websites are infected with loaders and skimmers.

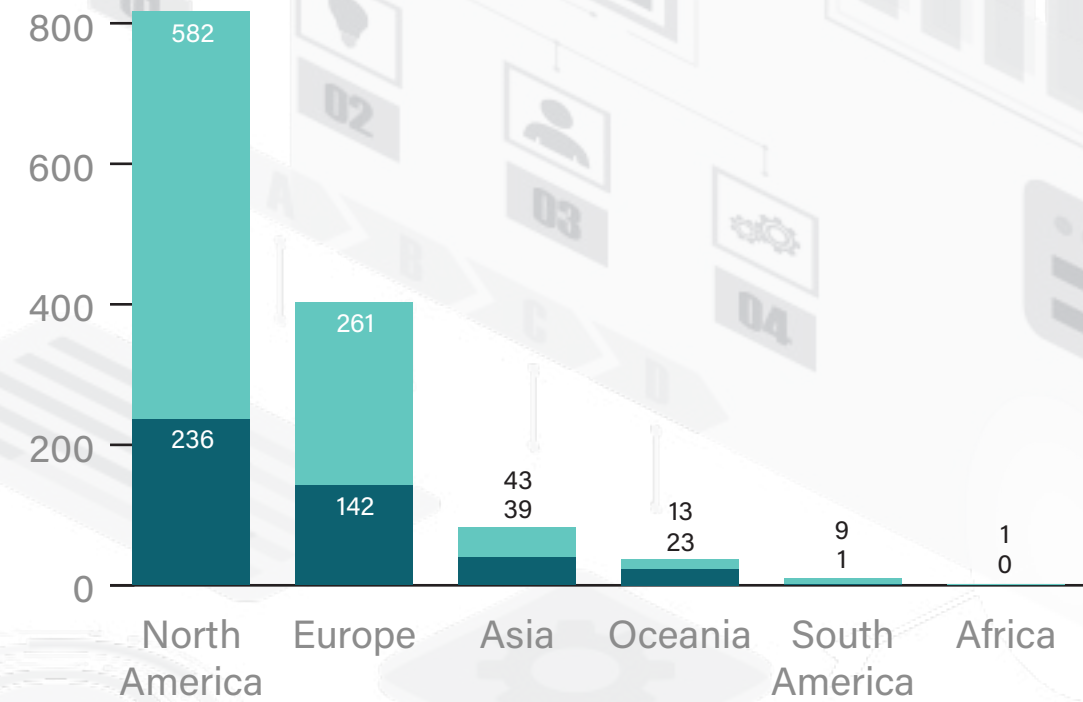
Loaders - are small pieces of code designed to load in additional malicious code onto a website.

Skimmers - are malicious scripts designed to scrape card data and customer information from a site's payment page before sending them off to the attacker.

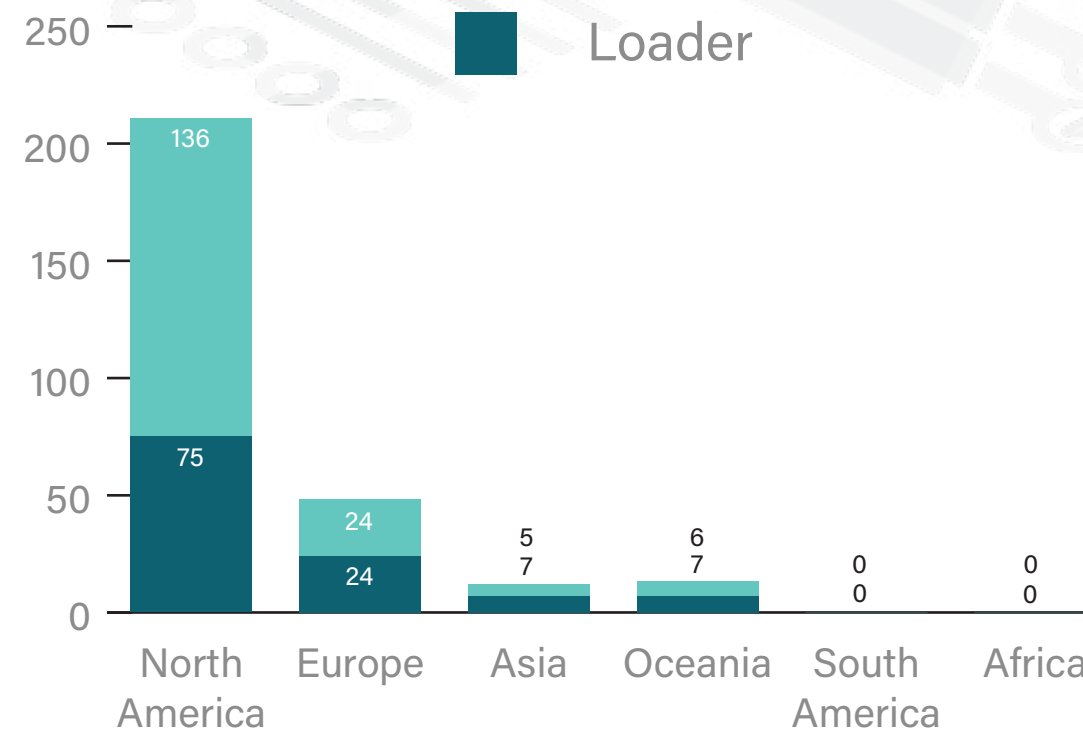
The charts to the right show which regions in the world have the highest infection rate, and below shows change over time.



MAGENTO 1



MAGENTO 2



WEBSCAN RESULTS MAGENTO 1 & 2 - FRAMEWORK ISSUES

Framework vulnerabilities are usually bugs in the software used to run your website.

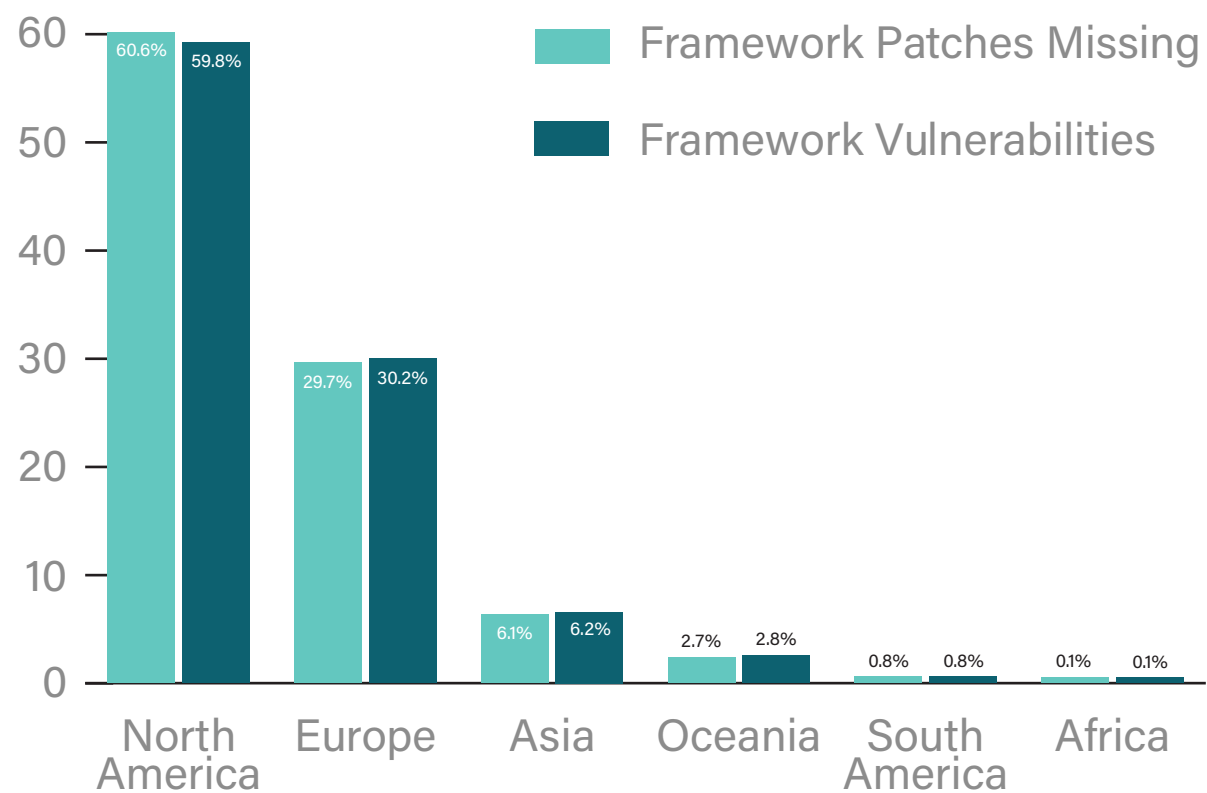
“Framework security patches missing” means a website is missing security patches/updates that are already available.

Framework issues also include insecure website set up, such as leaving default settings in place (e.g. admin panel location, etc)

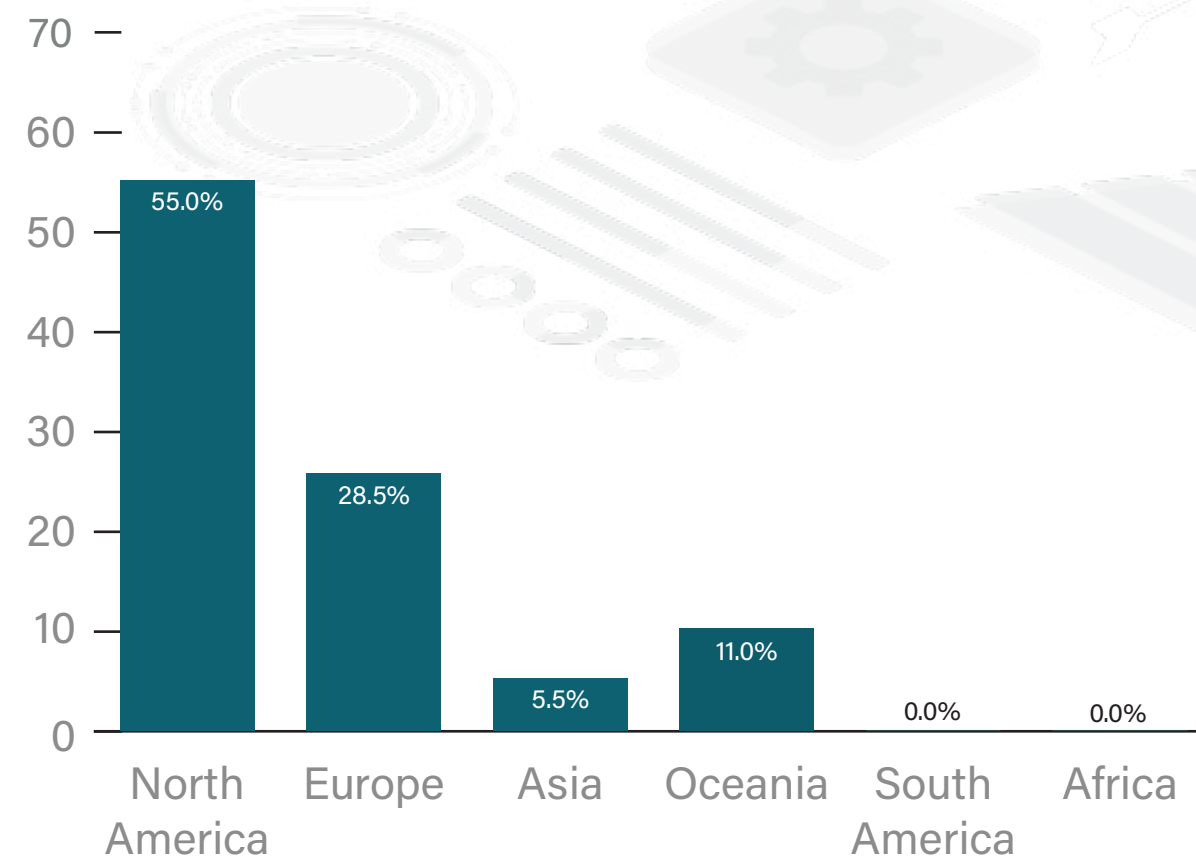
It's good to note that patching in Magento 2 works a bit differently than in Magento 1. With Magento 1, they released standalone security patches. This meant that websites could install these patches over older versions of Magento 1 and they would still be secure against the latest threats without having to update the entire website.

With Magento 2, Adobe typically offers a single security patch for the previous version, whenever a new version is released. This gives merchants some flexibility when it comes to upgrading their sites, however they will eventually need to perform a full version upgrade to remain secure.

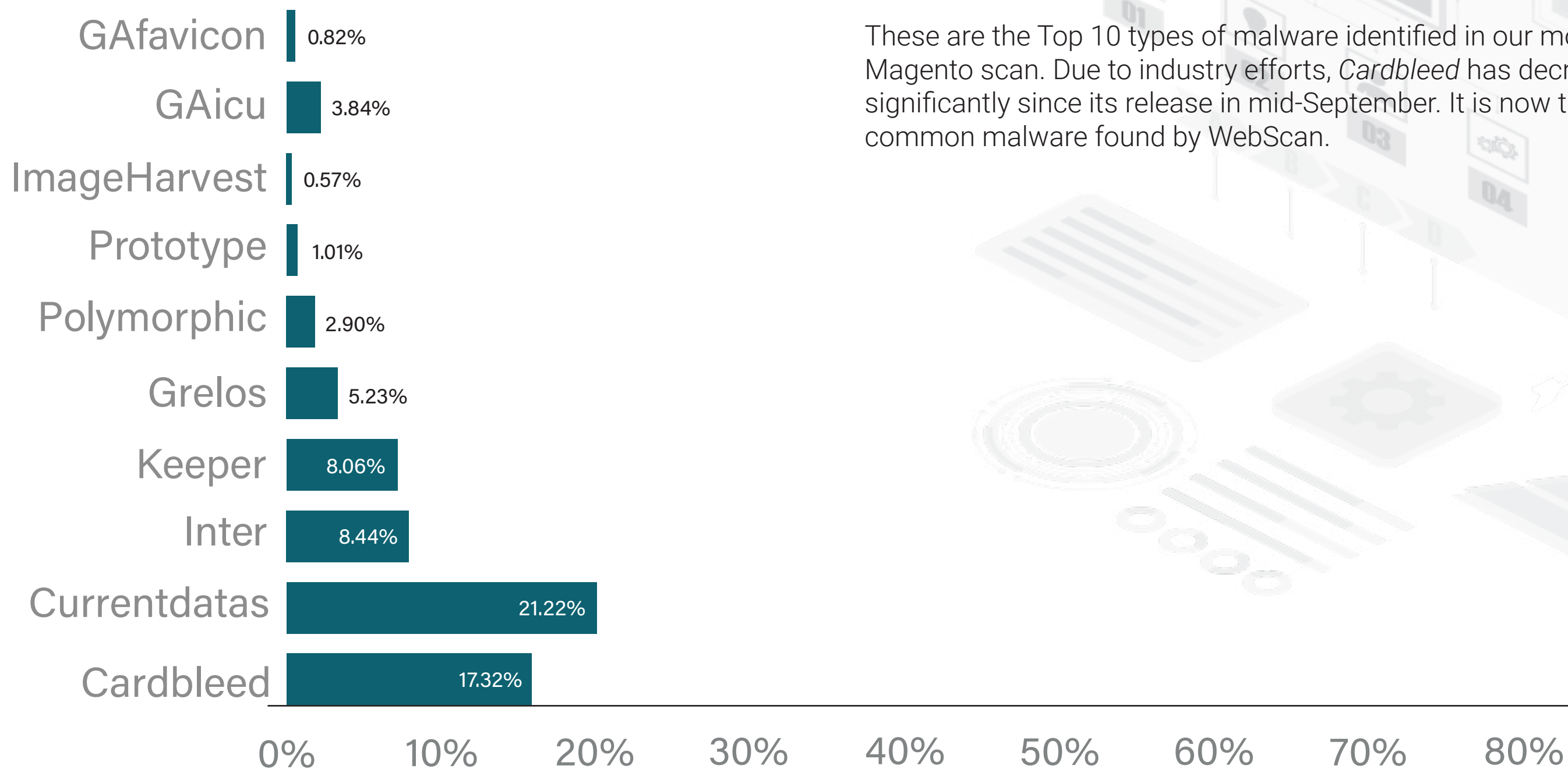
MAGENTO 1 PERCENTAGES



MAGENTO 2 PERCENTAGES



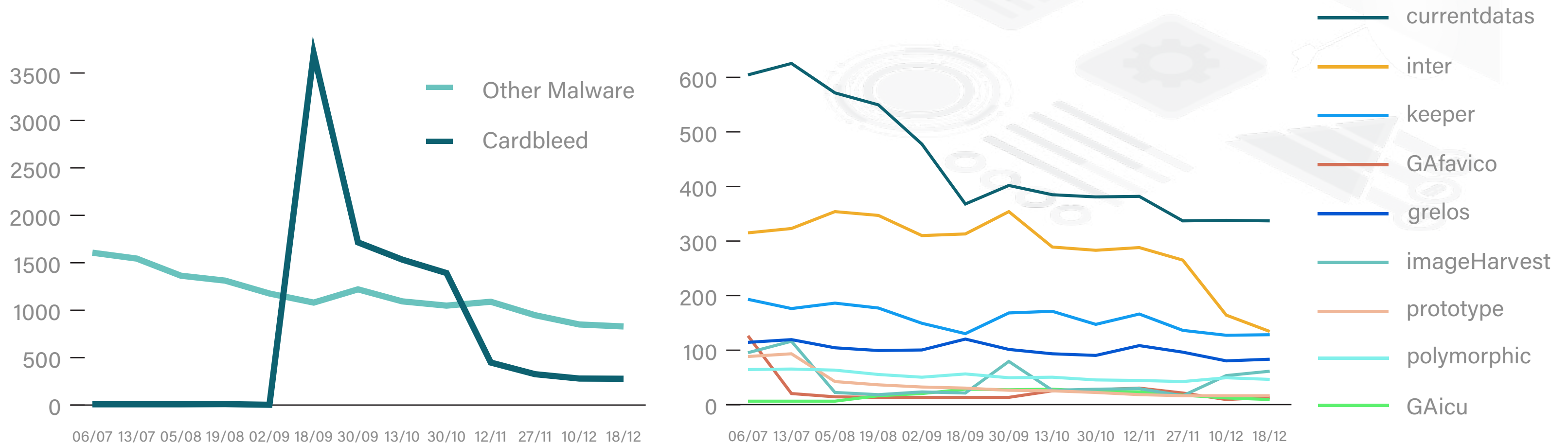
WEBSCAN RESULTS MALWARE TYPES



These are the Top 10 types of malware identified in our most recent Magento scan. Due to industry efforts, *Cardbleed* has decreased significantly since its release in mid-September. It is now the second most common malware found by WebScan.

WEBSCAN RESULTS MAGENTO 1 & 2 - MALWARE TRENDS

We are tracking the malware types that are infecting Magento websites. Due to the *Cardbleed* attack in September, we have broken the data into two graphs. The first graph shows how all the top 10 malware combined compares with the spike of *Cardbleed*, while the second graph shows the trend over time without it.



OUR INSIGHTS

For the first time, after 8 reports (around 16 weeks), we see an increase in the number of Magento websites. Interestingly, there was an increase of 2,974 Magento 1 websites, higher than the 2,881 new Magento 2 websites.

At the same time, the number of websites infected with card-harvesting Malware decreased. Since mid-November, the number of Critical websites has been decreasing, now reaching 1,602. This is all good news.

However, we believe there are still too many websites on the, now obsolete, Magento 1 platform. Without security updates, new attacks similar to Cardbleed, can happen again at any time. We ask website owners/administrators using Magento 1 and 2, to check their configuration/set-ups, and make sure their site is secure.

As always, for extra peace of mind we recommend using a website security solution and getting cyber insurance.

For free guidance, check out our [Magento Security Insights](#).

ADDITIONAL RESOURCES



Magento Security
Insights Page

foregenix.com/magento



Use our free scanner to understand
your website security posture

foregenix.com/webscan



Try out our website
security solution, FGX-Web

foregenix.com/fgx-web