# MAGENTO WEBSITE SECURITY REPORT


## CONTACT US

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19TH OCTOBER 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

THE QUEEN'S AWARDS FOR ENTERPRISE: INTERNATIONAL TRADE 2019

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# OVERVIEW

## WHAT IS WEBSCAN?

We currently monitor over

**270,000**

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

THIS IS THE PROBLEM ZONE

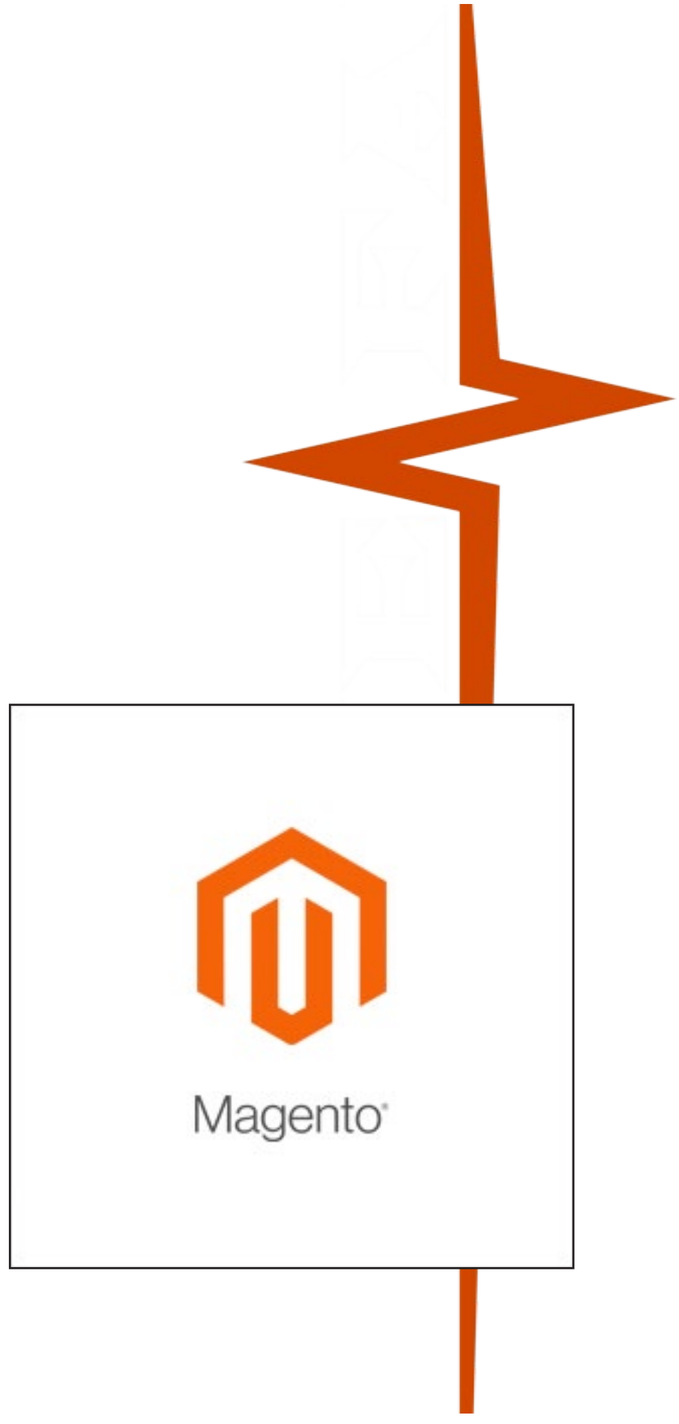
# OVERVIEW SUMMARY

Around **180,000** websites remain on the Magento 1 Platform

Significant **DECREASE** in the number of Magento websites

**91%** of Magento 1 websites are High/Critical Risk

**30%** of Magento 2 websites are High/Critical Risk




# MAGENTO REMAINS THE MOST TARGETED PLATFORM BY CRIMINALS

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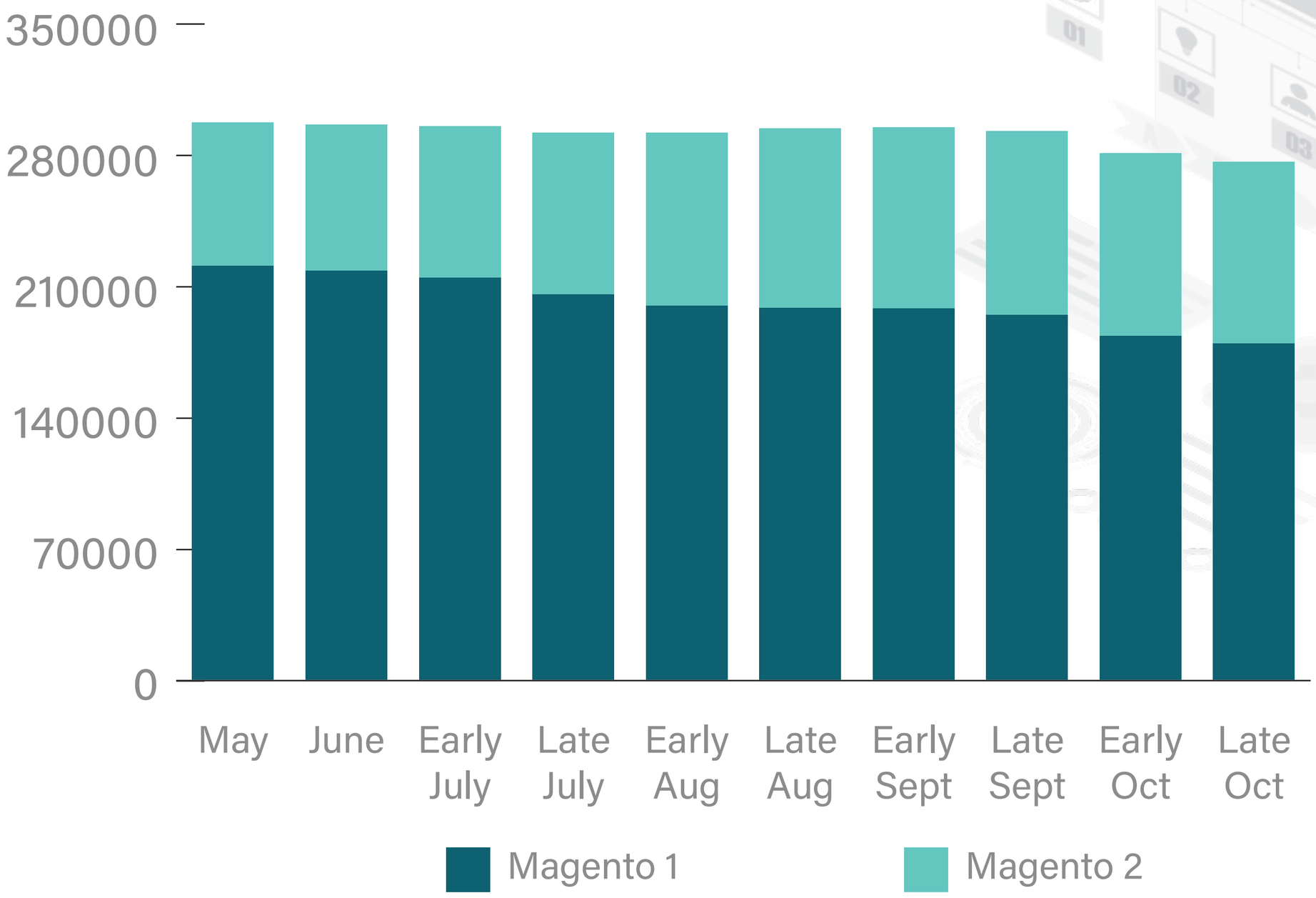
# WEBSCAN RESULTS

## WEBSITE NUMBERS (ALL MAGENTO)

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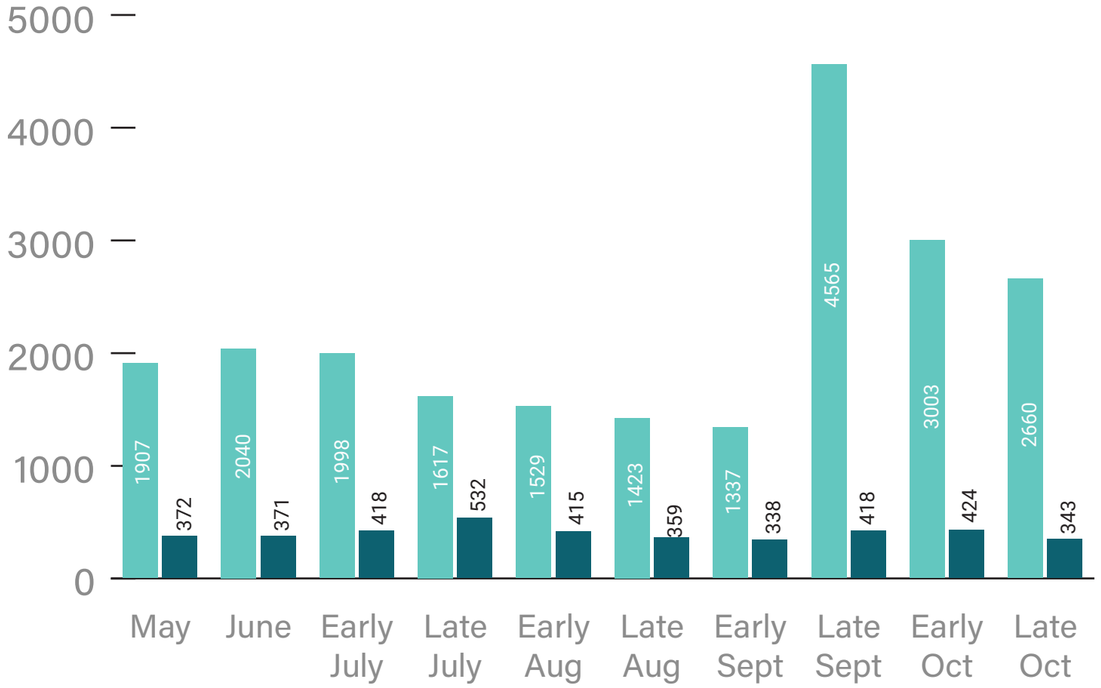
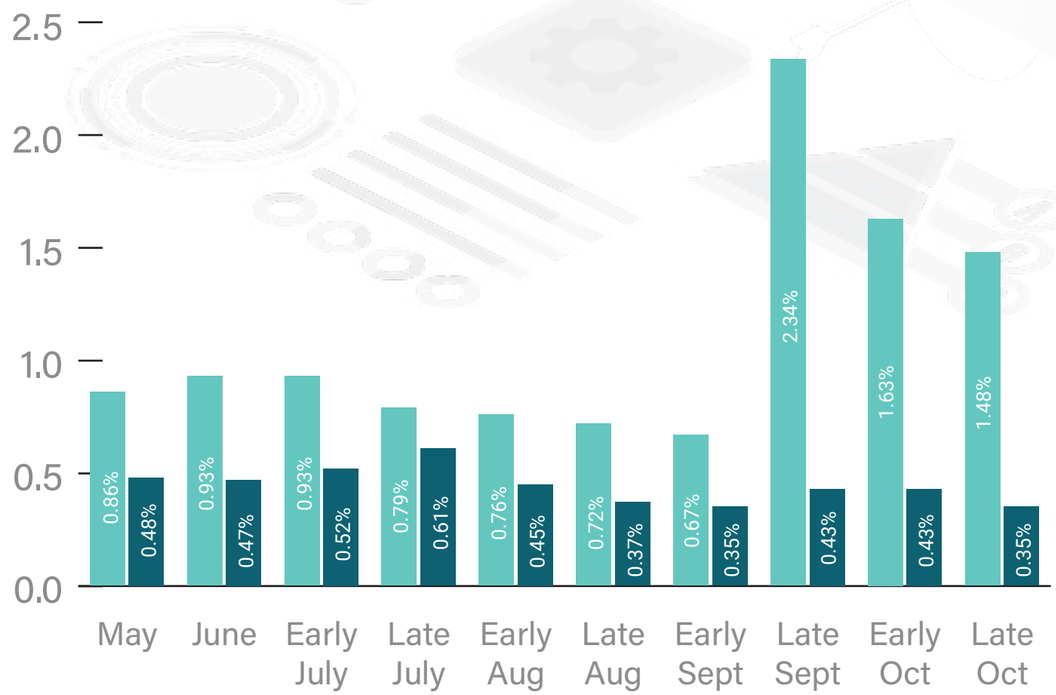
# WEBSCAN RESULTS CRITICAL RISK

Websites with Critical Risk have already been hacked (with card data being actively stolen). The good news is that critical websites have decreased this month, however it is still higher than the average from May to Early September. We believe this is still a vestige of ***Cardbleed's*** attack.

## ACTUAL NUMBERS




## PERCENTAGE OF TOTAL SITES

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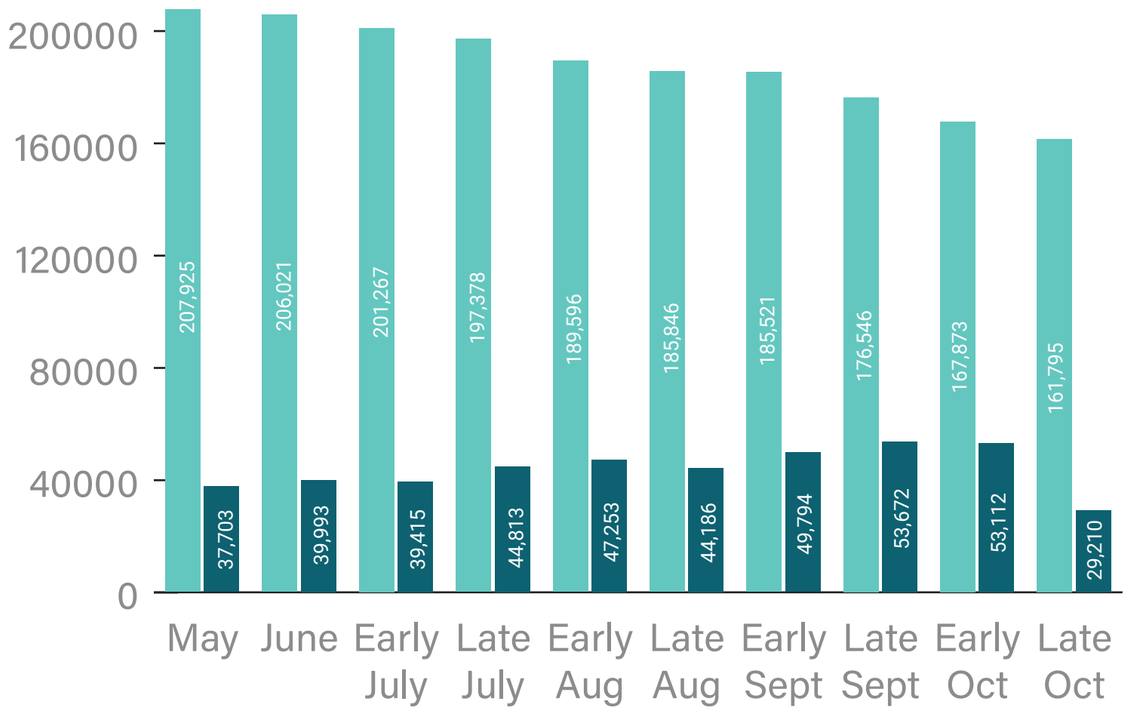
# WEBSCAN RESULTS HIGH RISK

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

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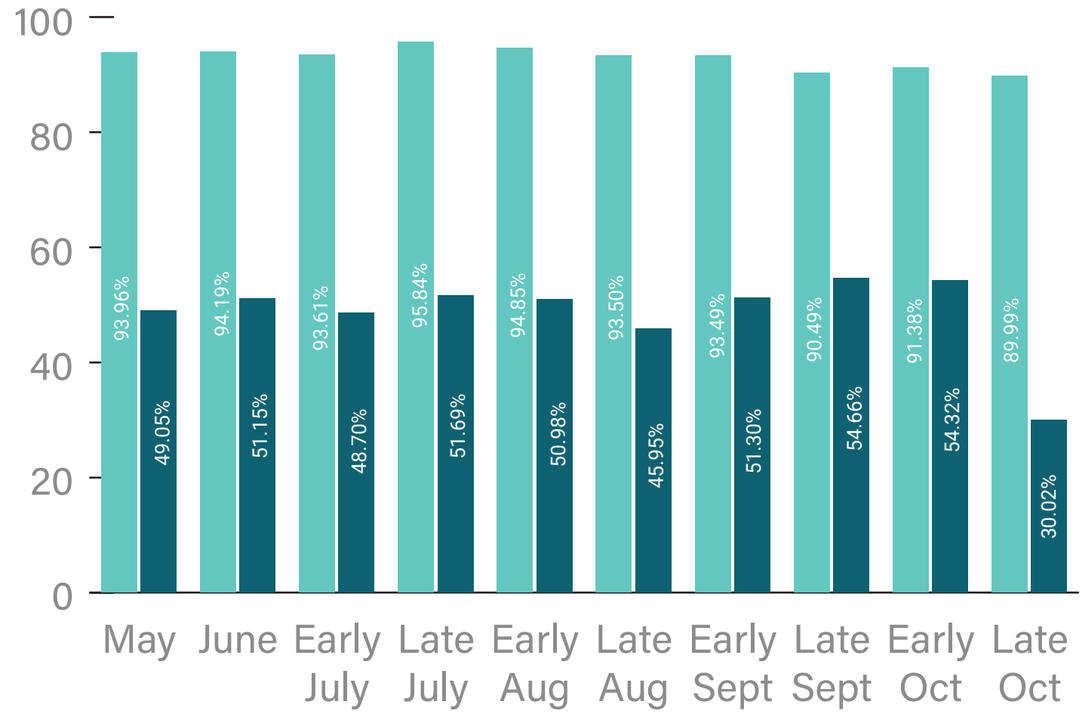


Magento 1 Magento 2

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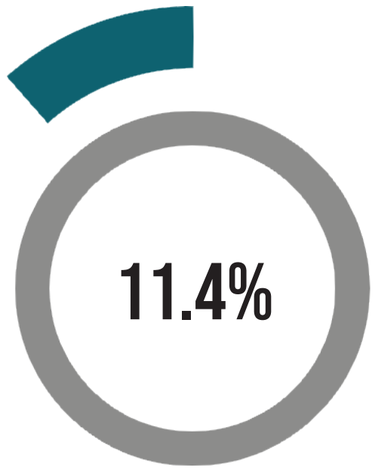
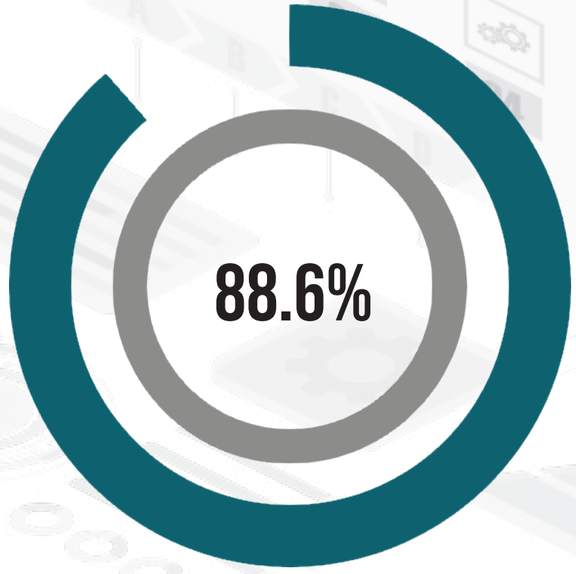
# WEBSCAN RESULTS

## CARD-HARVESTING MALWARE DISTRIBUTION




MAGENTO 2




MAGENTO 1

# WEBSCAN RESULTS

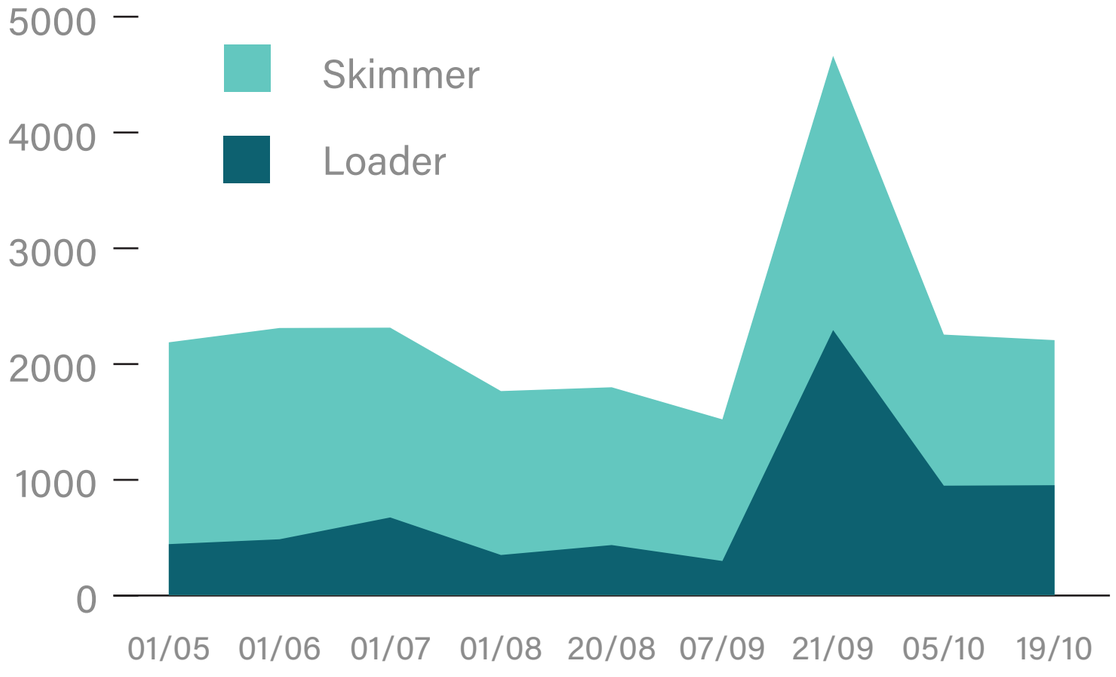
## MAGENTO 1 & 2 - LOADERS & SKIMMERS

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

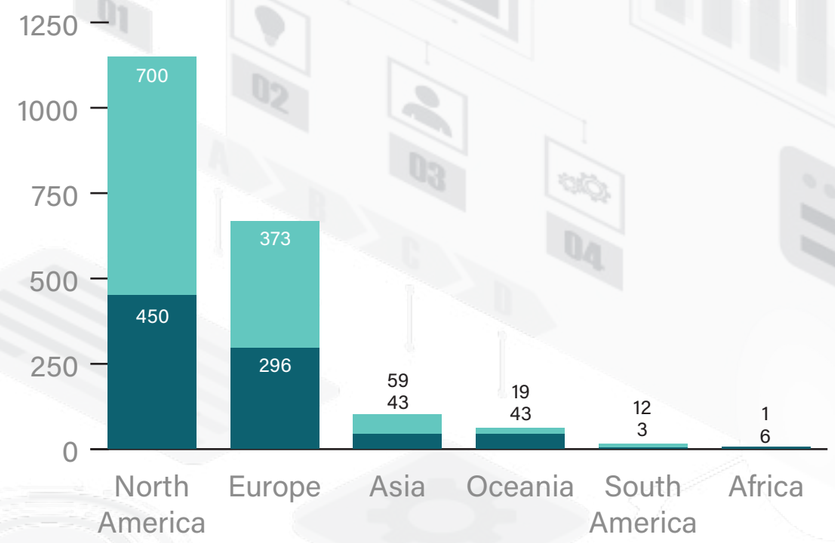
**Loaders** - are small pieces of code designed to load in additional malicious code onto a website.

**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.

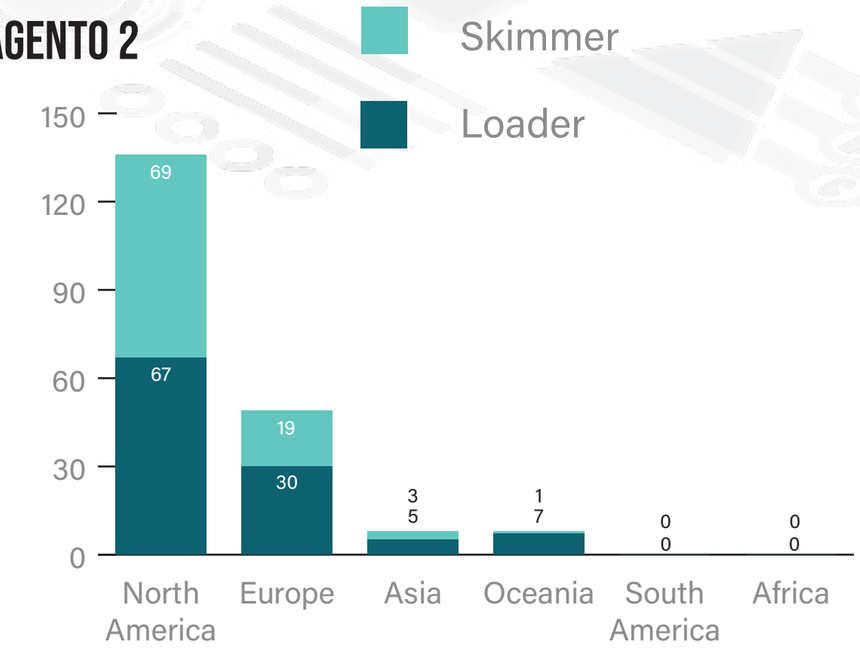
The charts to the right show which regions in the world have the highest infection rate, and below shows change over time.




### MAGENTO 1




### MAGENTO 2

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# WEBSCAN RESULTS MAGENTO 1 & 2 - FRAMEWORK ISSUES

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

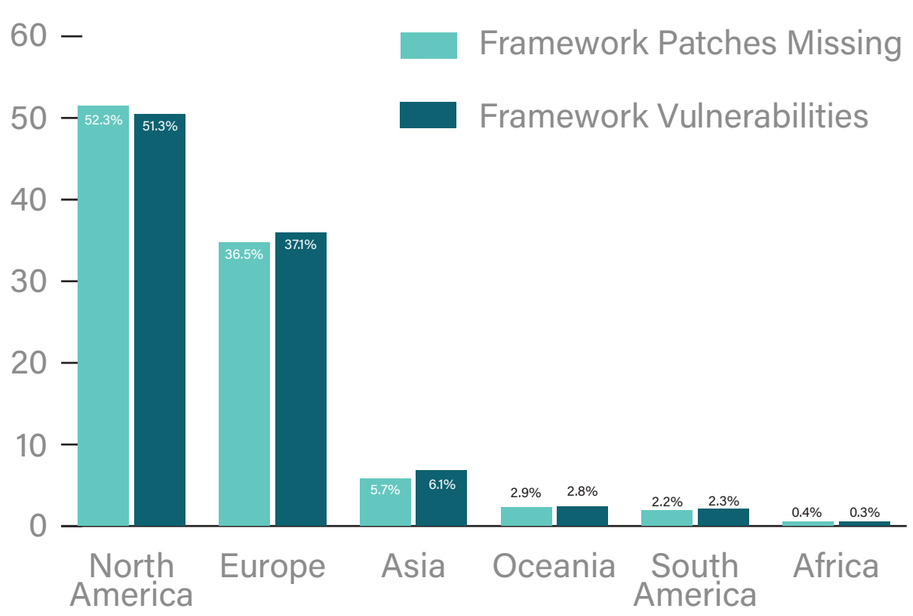
"**Framework security patches missing**" means a website is missing security patches/updates that are already available.

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, they abandoned this practice and websites are expected to upgrade to the latest version of Magento should they want to stay secure.

## MAGENTO 1 PERCENTAGES

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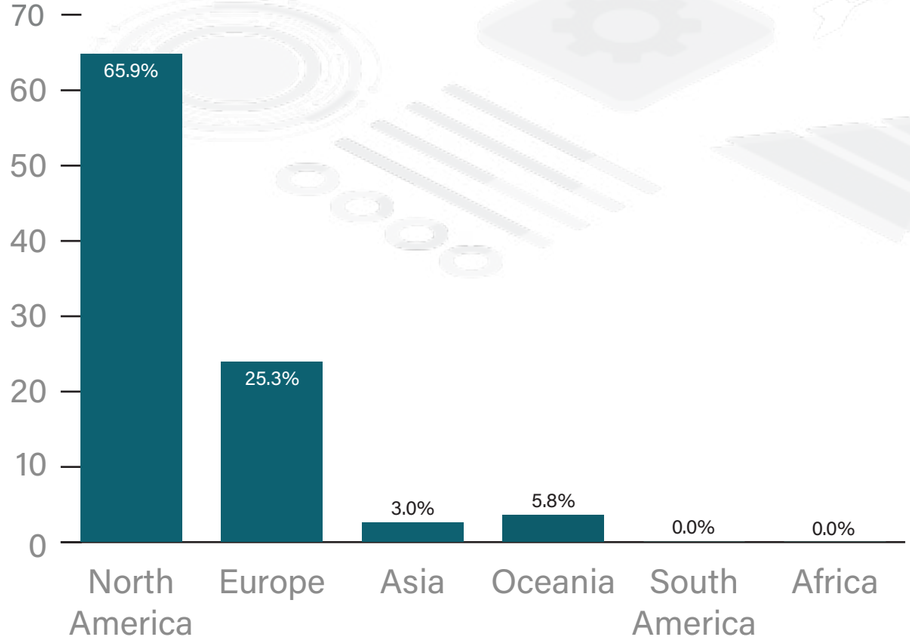
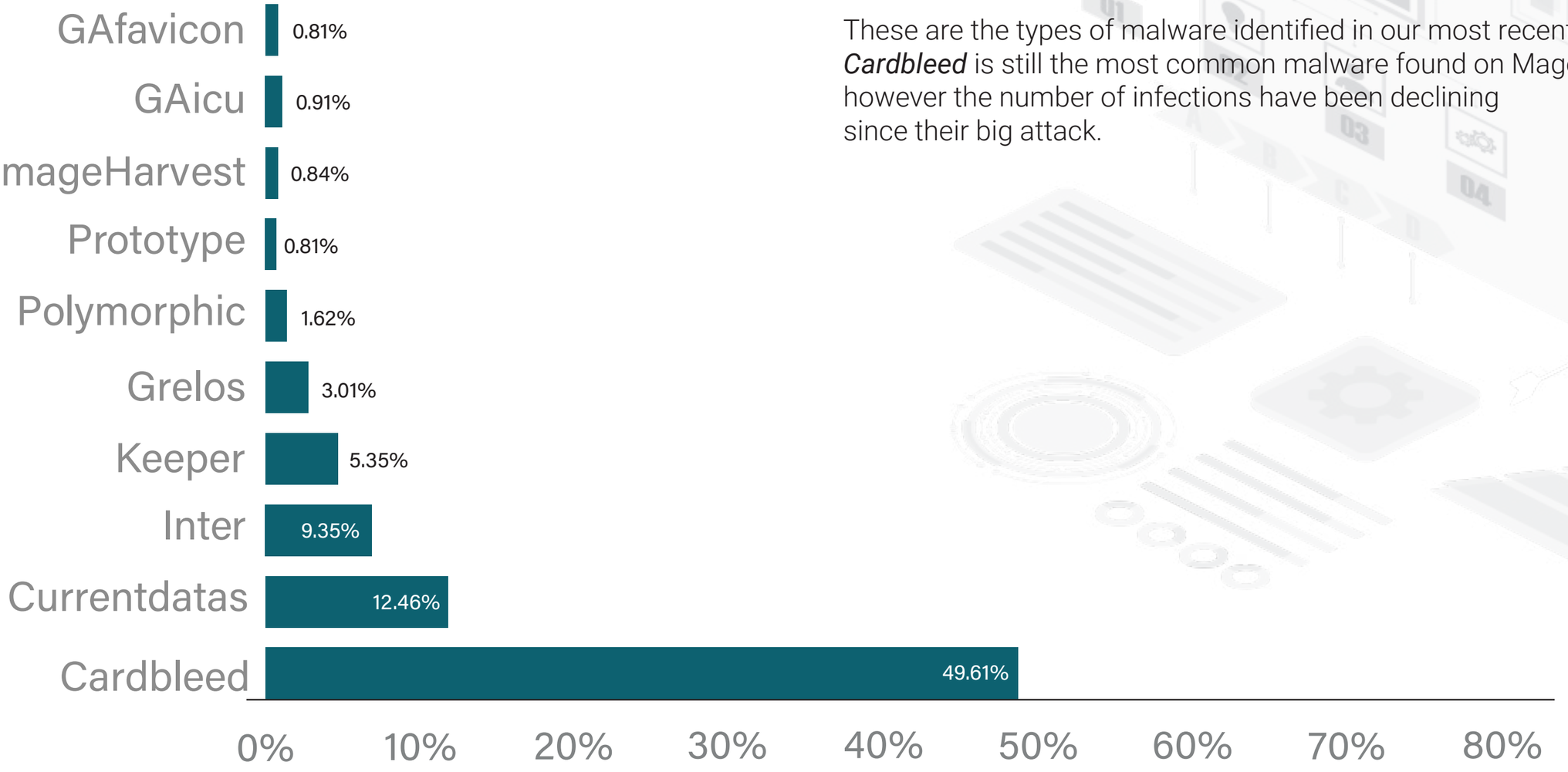


# WEBSCAN RESULTS MALWARE TYPES




These are the types of malware identified in our most recent Magento scan. ***Cardbleed*** is still the most common malware found on Magento websites, however the number of infections have been declining since their big attack.

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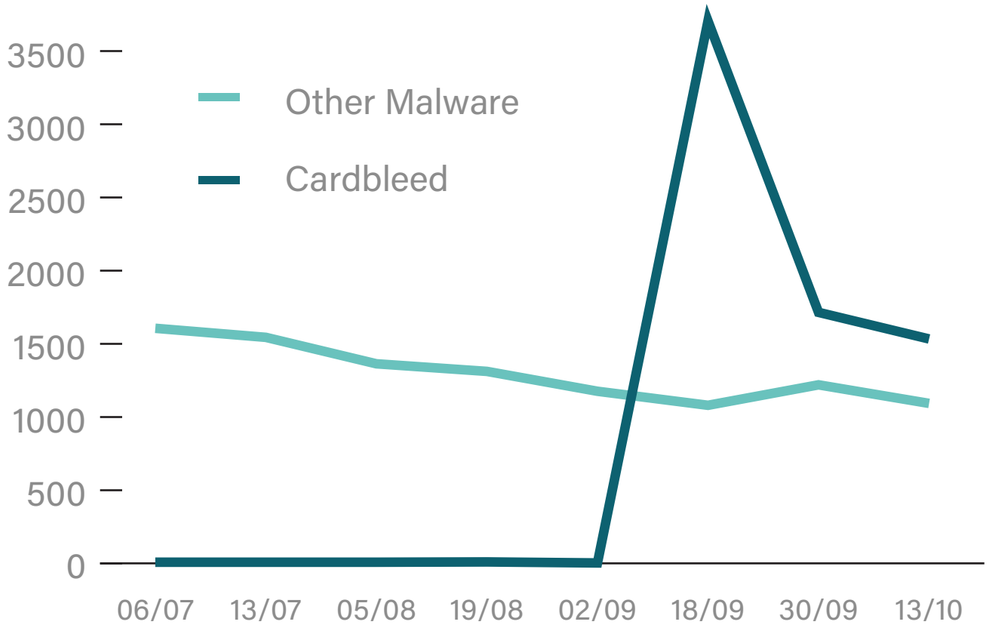
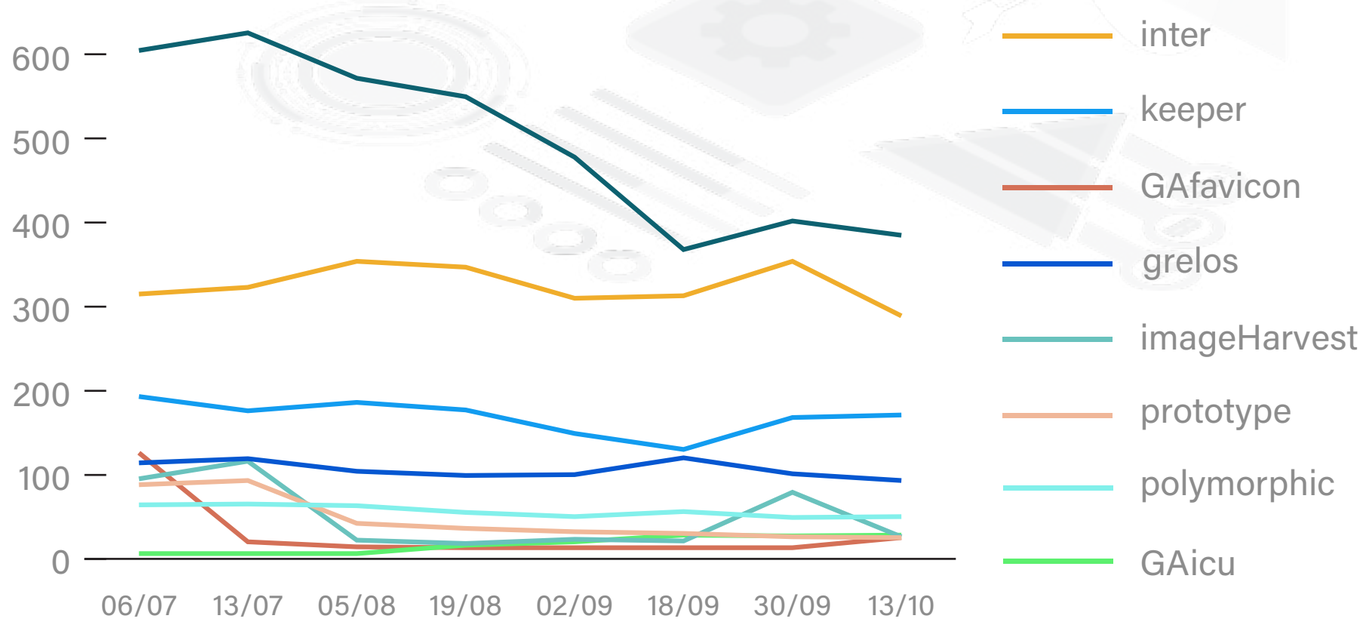
# WEBSCAN RESULTS MAGENTO 1 & 2 - MALWARE TRENDS

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

As mentioned, ***Cardbleed*** is still the most common malware found on infected websites, however ***Currentdatas***, ***Inter*** and ***keeper*** have been the three most common malware, historically.

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# OUR INSIGHTS

We have seen a decrease on High and Critical risk websites since the last report. Even though this is good news, we cannot let our guard down as we expect more large scale attacks to occur; as all Magento 1 websites are, and will continue to be, vulnerable (no security patches).

We urge Magento 1 and 2 website owners/administrators to check their configuration/set-ups and make sure it's secure. If possible, they should invest in website security, if not, they should at least take on cyber insurance. Magento 1 websites owners/administrators should, without a doubt, invest in website security before the next big attack.

For free guidance, check out our Magento Security Insights. Many of the simple changes we have been advising are precautions that could prevent ***Cardbleed's*** exploit, or any exploit for that matter -- though not for certain.

## 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

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