

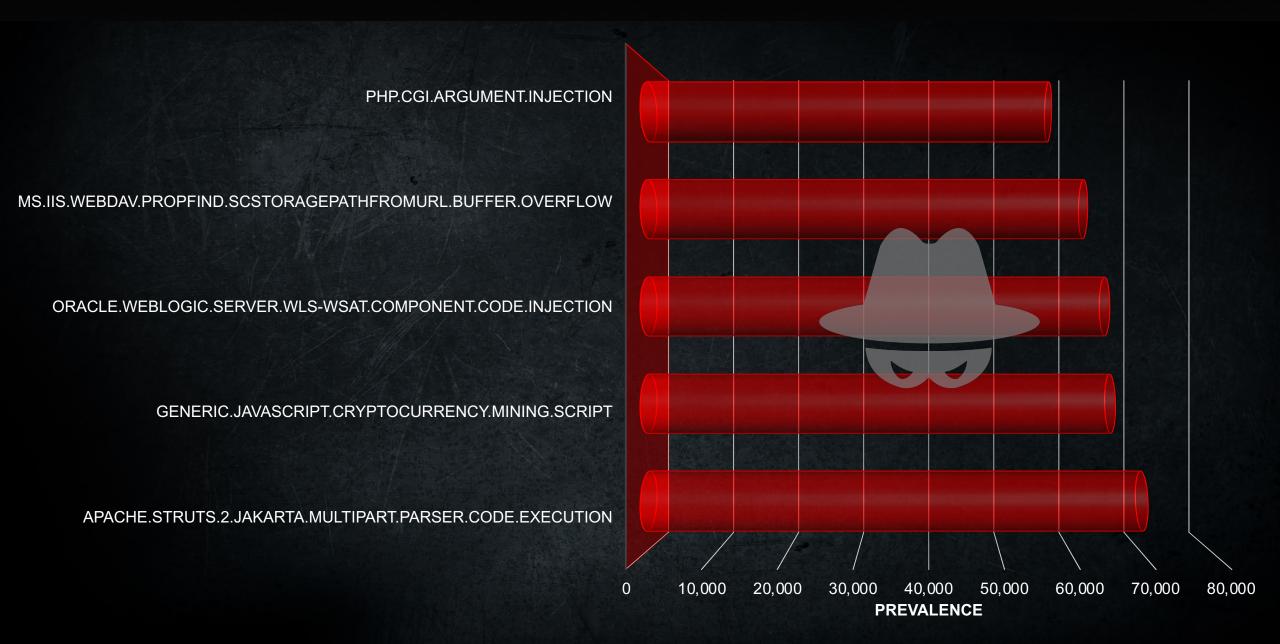




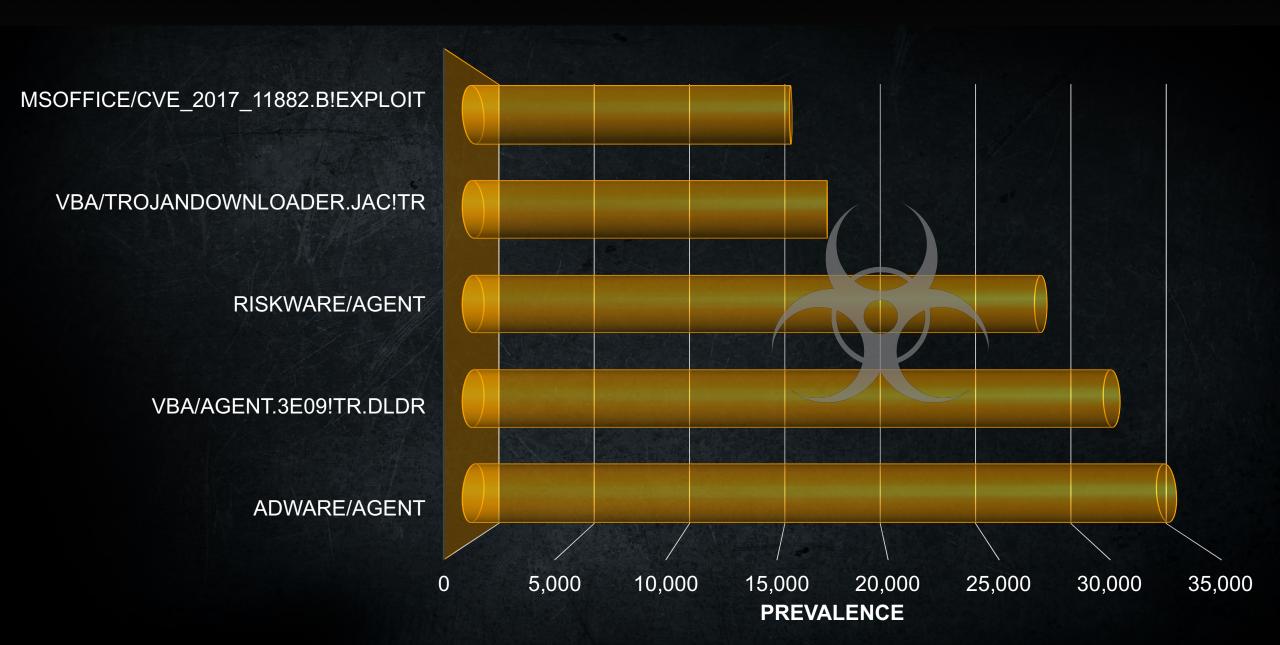




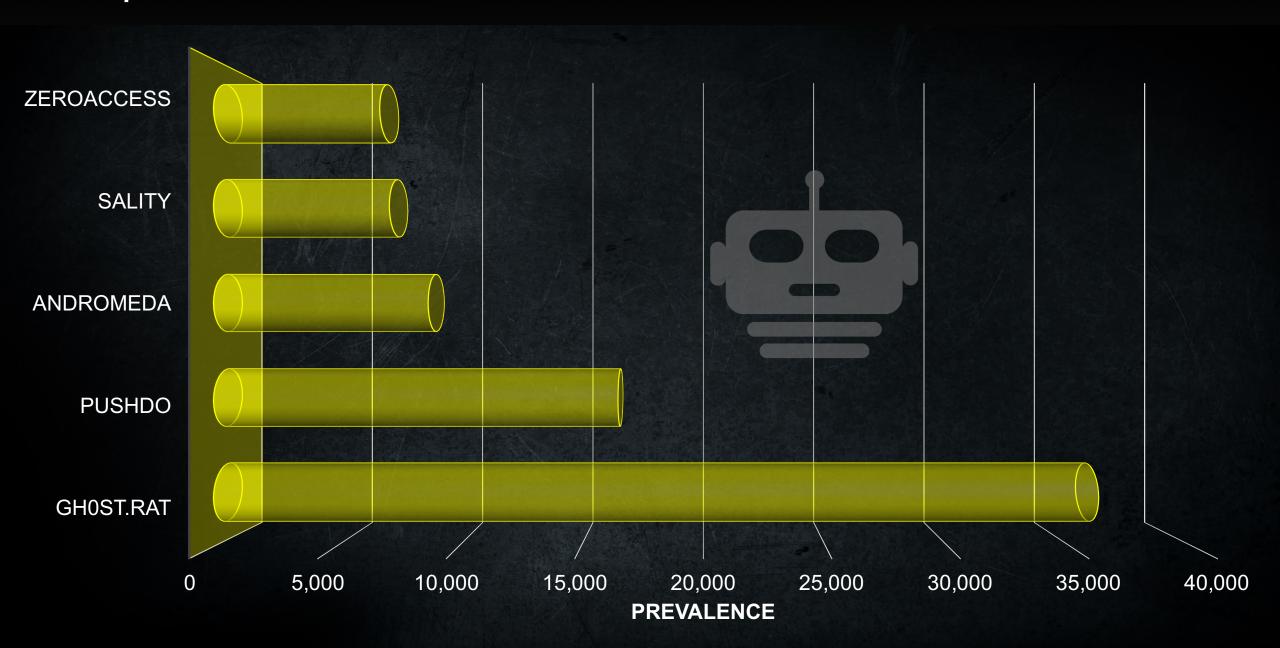
Top 5 Prevalent Attacks – Global



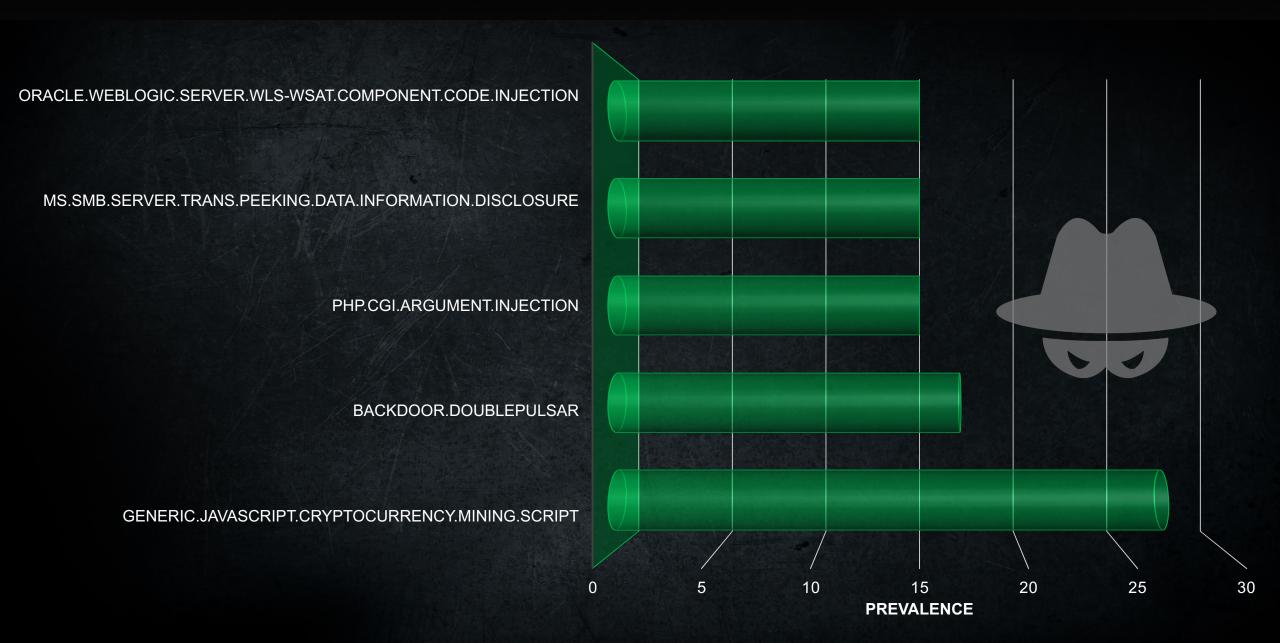
Top 5 Prevalent Malware – Global



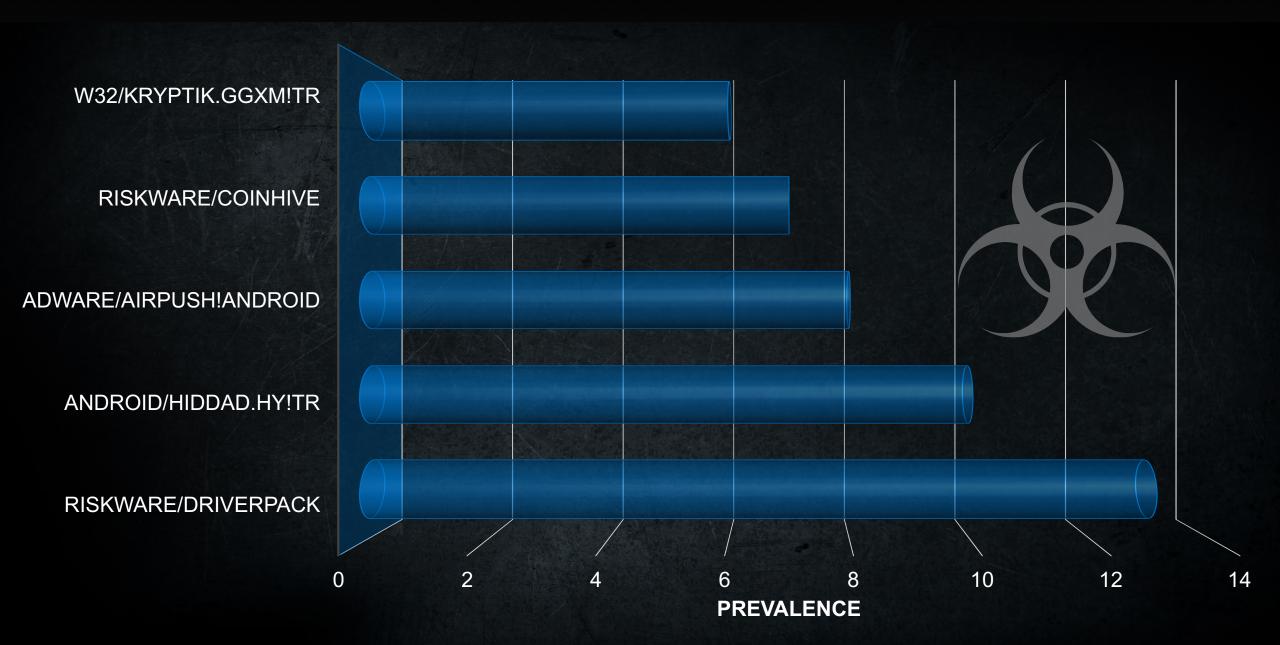
Top 5 Prevalent Botnets – Global



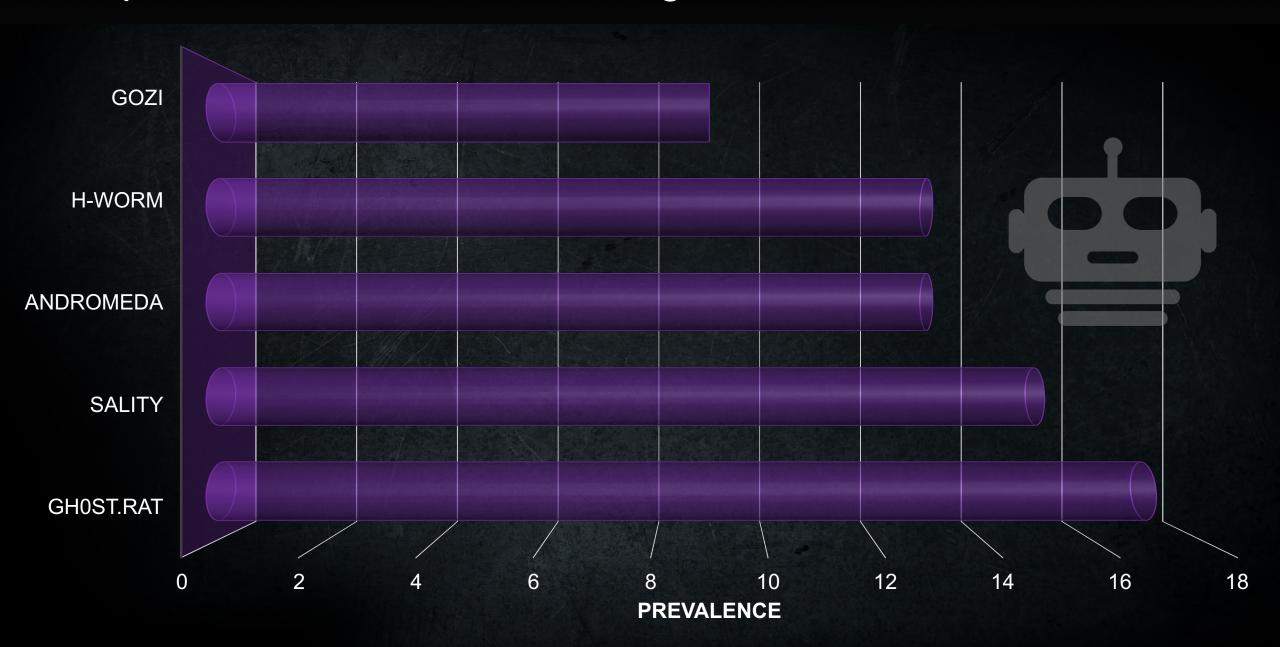
Top 5 Prevalent Attacks – Mongolia



Top 5 Prevalent Malware – Mongolia



Top 5 Prevalent Botnets – Mongolia





CAN YOU PATCH 'EM ALL?

KNOWN VULNERABILITIES (CVEs)

103,786



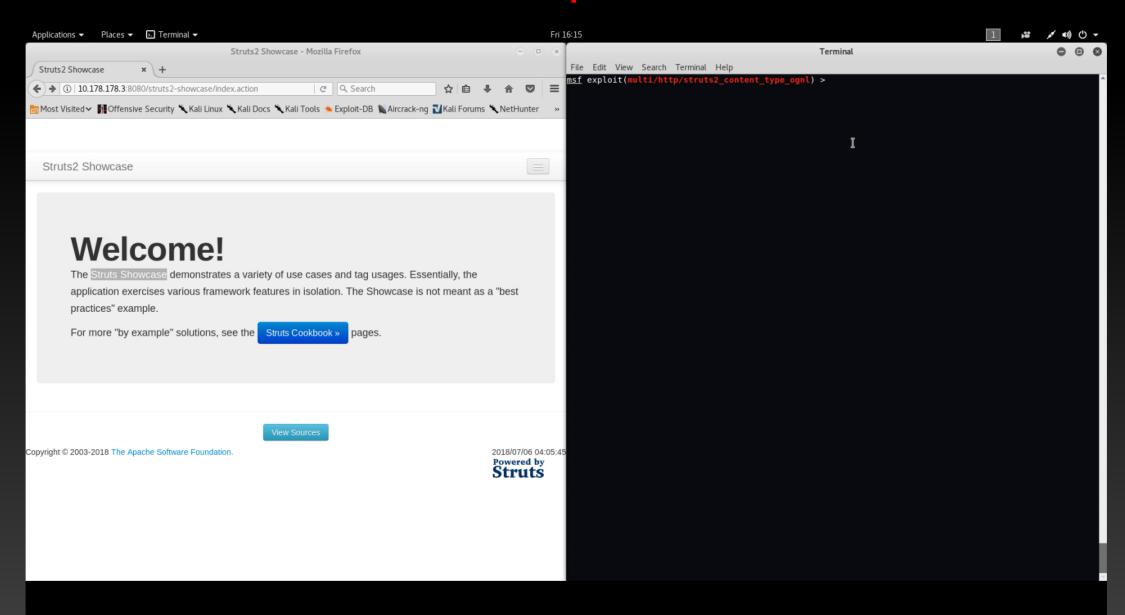
IT'S KEY TO USE THREAT INTELLIGENCE TO PRIORITIZE PATCHING

SAW SEVERE EXPLOITS



ONLY 5 7 0 ONLY 5 0 O

CVE-2017-5638 – Apache Struts 2 RCE



AGILE DEVELOPMENT IS ON THE LOOSE



AGILE DEVELOPMENT
USED IN CONJUNCTION
WITH POLYMORPHISM



THIS MALWARE IS
MORE DIFFICULT
TO DETECT



GandCrab 2.1 Ransomware on the Rise with New Spam Campaign

By Jasper Manuel, Joie Salvio, and Rommel Joven | April 25, 2018

Over the past few days, FortiGuard Labs has been observing a surge in an er. This article provides a basic overview of this malicious campaign, and points

Spam Campaign

The image below is a screenshot from our KTIS (Kadena Threat Intelligence a GandCrab v2.1 sample being delivered as a payload.

KADENA Threat Intelligence System

Fig.1 KTIS visualization of the spam

GandCrab V4.0 Analysis: New Shell, Same Old Menace

THREAT RESEARCH

GandCrab V3 Accidentally Systems with New 'Ch Wallpaper' Feature

By Join Salve (May 04, 2018)

The second of the second of

GandCrab is one of the most talked about ransomware families this year primarily due to its increasing distribuprevious article. At the end of last month, FortiGuard Labs discovered a new spam wave from the same campa

In this new version, following in the footsteps of past infamous ransomware families such as Locky and Sage, this latest version now also changes the wallpapers of its victims. However, when we analyzed this new feature we found a bug that can be detrimental to its goals, as well as more frustrating to its unfortunate victims.

New Spam Wave, Same Old Tricks

The attack chain is practically the same as the one discussed in our previous article. Only this time, it uses Visual Basic Scripts as downloaders instead of Java Scripts

By Joie Salvio | July 09, 2018

he new GandCrab v4.0 was seen just a few days ago targeting us Malicious pages are currently being injected into legitimate websit

It has been over two months since GandCrab has undergone a major up structure, its major purposes are practically the same. While some of the place. Noticeably, the wallpaper change that had been added in the prebiggest change, however, is the switch from using RSA-2048 to the much the petya ransomware in the past. Furthermore, it has done away will means it is now able to encrypt users that are not connected to the International Connected Connec

Note: Thanks to David Maciejak, Director of FortiGuard Research Team,

Note: Read previous research on this topic.

Compromised Websites Serve GandCrab V4.0

The malware was reportedly seen being distributed through compromiss WordPress is a favourite target of exploitation. In fact, for this latest releases (a few of which are shown in the figure below).



THREAT RESEARCH

GandCrab v4.1 Ransomware and the Speculated SMB Exploit Spreader

By Joie Salvio | July 12, 2018

nly two days after the release of GandCrab 4.0, FortiGuard Labs found a newer version (v4.1) being distributed using the same method, which is through compromised websites disguised as download sites for cracked applications.

With this new version, GandCrab has added a network communication tactic that was not observed in the previous version. In addition, we will be sharing our analysis of currently circulating reports concerning an alleged "SMB exploit spreader" threat.

Network Communication



Figure 1 Malware sends Info to list of compromised websites

This new version of the GandCrab malware contains an unusually long hard-coded list of compromised websites that it connects to. In one binary, the number of these websites can go up to almost a thousand unique hosts.

To generate the full URL for each host, a pseudo-random algorithm is used to choose from sets of pre-defined words. The final URL is in the following format (e.g. www.{host}.com/data/tmp/sokakeme.jpg):

http://{host}/{word1}/{word2}/{fname}.{extension}

DRUPAL EXPLOIT LED TO CRYPTOJACKING

IOT DEVICES SERVE AS A BASE FOR CRYPTOJACKING



"DRUPALGEDDON 2" DETECTIONS SHOWED

A THOUSAND-FOLD INCREASE OVER 24 HOURS





ESPECIALLY POPULAR CRYPTOJACKING TARGETS ARE

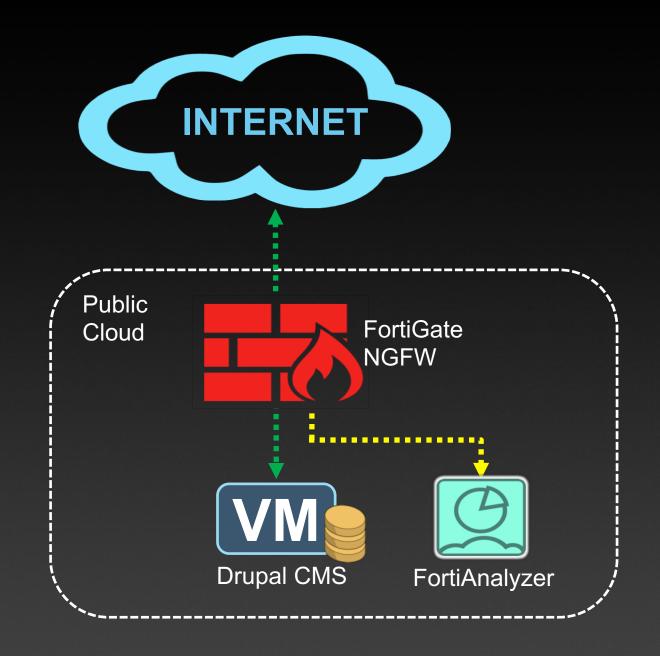
MEDIA DEVICES DUE TO POWERFUL GPUS

Web Honeypot

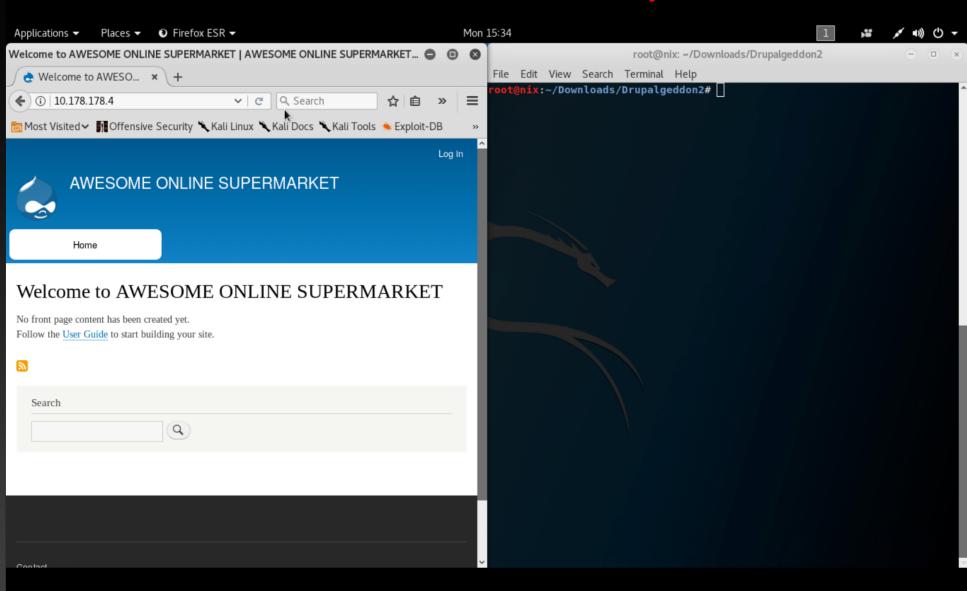
Drupal CMS deployed on a Linux Instance

FortiGate NGFW in **Monitoring Mode**

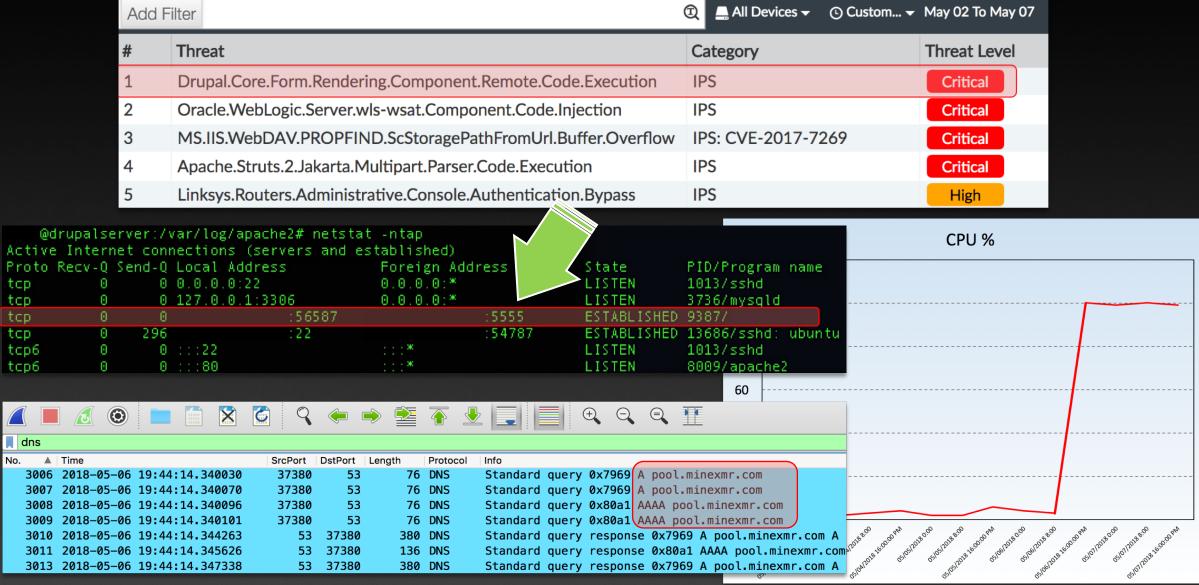
FortiAnalyzer for Centralized Reporting



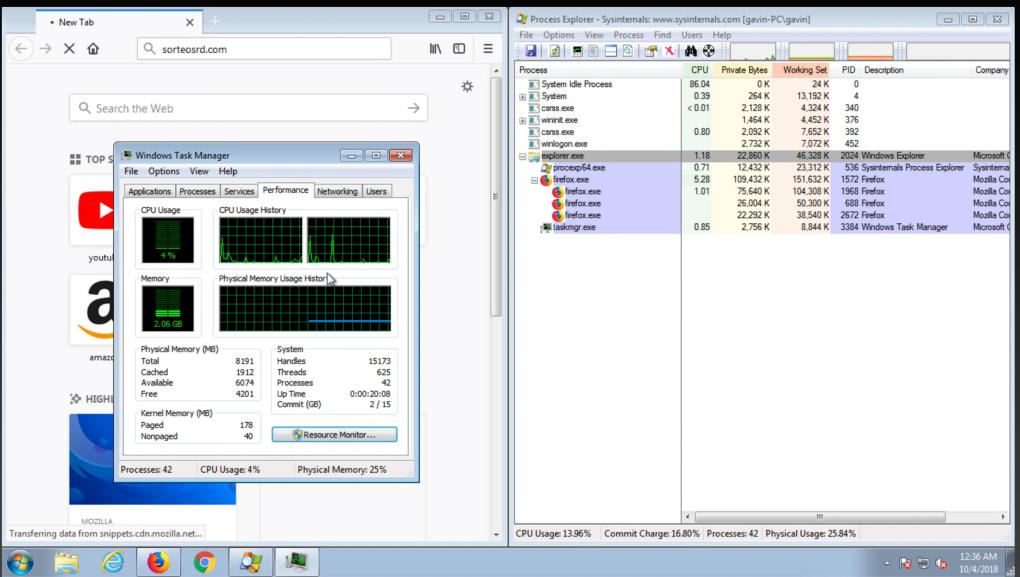
CVE-2018-7600 - Drupal RCE



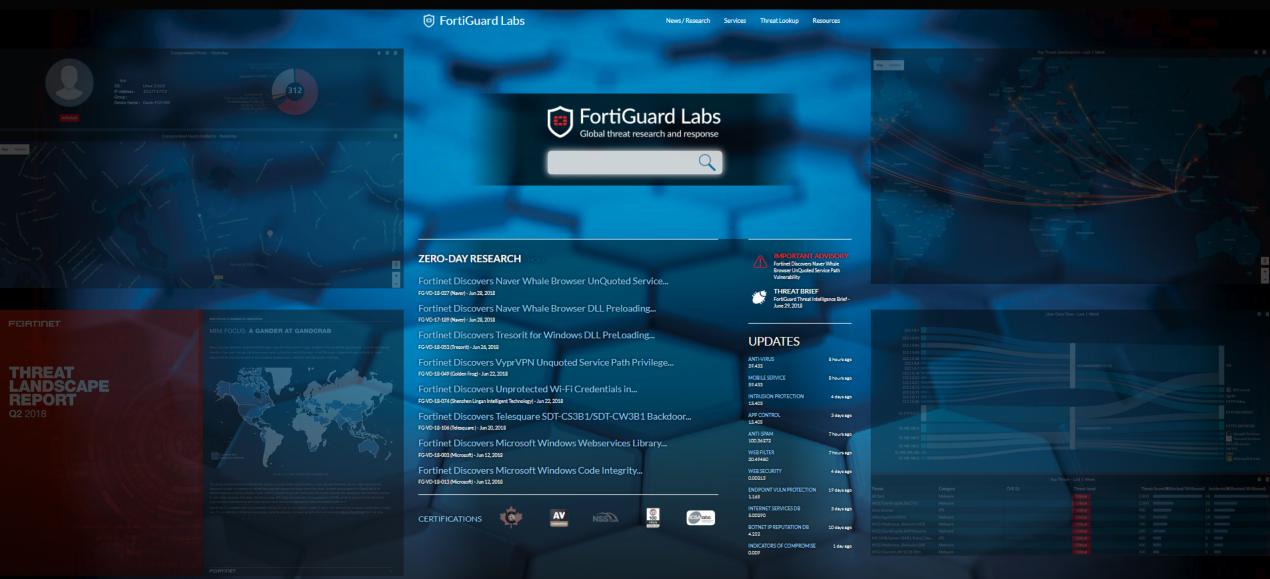
Server Side Cryptojacking



Client Side Browser Based Cryptojacking



FortiGuard Labs @ fortiguard.com



NSS Labs 3rd-Party Testing

Independent Testing



Recommendations out of 9!





NGIPS



DCIPS



DCSG



SD-WAN











