

DATA SECURITY ▼

VULNERABILITIES

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INCIDENTS MALWARE

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TUNNELCRACK: TWO SERIOUS VULNERABILITIES IN VPNS DISCOVERED, HAD BEEN DORMANT SINCE 1996



HOW TO EASILY HACK TP-LINK ARCHER AX21 WI-FI



US GOVT WANTS NEW LABEL ON SECURE IOT DEVICES OR WANTS TO DISCOURAGE USE OF CHINESE IOT GADGETS





HOW CHINESE APT HACKERS STOLE LOCKHEED MARTIN F-35 FIGHTER PLANE TO DEVELOP ITS OWN J-20 STEALTH FIGHTER AIRCRAFT [VIDEO]

MASSIVE NVIDIA GPU

EXPLOIT FOUND. HOW HACKERS CAN TAKE DOWN

35% OF AI SYSTEMS IN

BLAST-RADIUS ATTACK

EXPLOTING CRITICAL

RADIUS FLAW COULD

COMPROMISE YOUR

14 MILLION SERVERS

VULNERABLE TO CRITICAL

REMOTE ADMIN WITH CVE-

OPENSSH BUG: BECOME

NETWORK

[TECHNICAL TEARDOWN: EXPLOIT & MALWARE IN .HWP FILES]

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5 TECHNIQUES HACKERS USE TO JAILBREAK CHATGPT, GEMINI, AND COPILOT AI SYSTEMS



THIS HACKER TOOLKIT CAN BREACH ANY AIR-GAPPED SYSTEM - HERE'S HOW IT



HACKING PAGERS TO EXPLOSIONS: ISRAEL'S **COVERT CYBER-PHYSICAL** SABOTAGE OPERATION AGAINST HEZBOLLAH!



FIVE TECHNIQUES FOR BYPASSING MICROSOFT SMARTSCREEN AND SMART APP CONTROL (SAC) TO RUN MALWARE IN WINDOWS



HOW MILLIONS OF PHISHING EMAILS WERE SENT FROM TRUSTED DOMAINS: ECHOSPOOFING EXPLAINED



HOW TO IMPLEMENT PRINCIPLE OF LEAST PRIVILEGE(CLOUD SECURITY) IN AWS, AZURE,



THE 11 ESSENTIAL FALCO CLOUD SECURITY RULES FOR SECURING CONTAINERIZED APPLICATIONS AT NO COST



HACK-PROOF YOUR CLOUD: THE STEP-BY-STEP **CONTINUOUS THREAT EXPOSURE MANAGEMENT** CTEM STRATEGY FOR AWS &



WEB-BASED PLC MALWARE: A NEW TECHNIQUE TO HACK INDUSTRIAL CONTROL SYSTEMS

AZURE



THE API SECURITY **CHECKLIST: 10 STRATEGIES** TO KEEP API INTEGRATIONS

24,649,096,027 (24.65 BILLION) ACCOUNT USERNAMES AND PASSWORDS HAVE BEEN LEAKED BY CYBER CRIMINALS TILL NOW IN



Welcome

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[1st Sample used in the analysis]

MD5: 8EB5A3F38EB3DE734037AA463ADE7665

measurement, audience research and services development



[Part

As of v

HOW SAFE IS YOUR TINYPROXY? STEP-BY-STEP **GUIDE TO EXPLOITING**

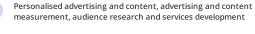


ETERNAL MALWARE: CVE-2024-3400 ROOTKITS PERSIST THROUGH PALO ALTO FIREWALLS UPDATES AND RESETS

TINYPROXY'S ZERO DAY VULNERABILITY

This article will focus on teaching analysts on analysing malicious JavaScript code within

the HWP files and a walkthrough of how we can analyse .HWP files that was used to deliver



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THIS HACKER TOOLKIT CAN BREACH ANY AIR-GAPPED SYSTEM - HERE'S HOW IT **WORKS**



HACKERS' GUIDE TO ROGUE VM DEPLOYMENT: LESSONS FROM THE MITRE HACK



ETERNAL MALWARE: CVE-2024-3400 ROOTKITS PERSIST THROUGH PALO ALTO FIREWALLS UPDATES AND RESETS

MAJOR PYTHON



INFRASTRUCTURE BREACH - OVER 170K USERS COMPROMISED. HOW SAFE IS YOUR CODE?



HOW TO EXPLOIT WINDOWS DEFENDER ANTIVIRUS TO INFECT A DEVICE WITH MALWARE

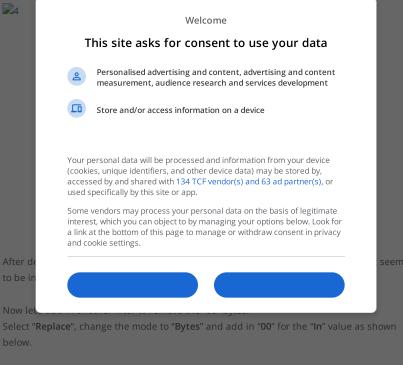
[Part 2 : Getting Started]

For those who want to follow along. Do note, this is a MALICIOUS file, so please do the analysis in a "safe" environment.

Profiler.

As we can see from the image below, the data within "DefaultJScript" looks gibberish. So how do we make sense out of it?





We should get back something like the one shown below.

26

25

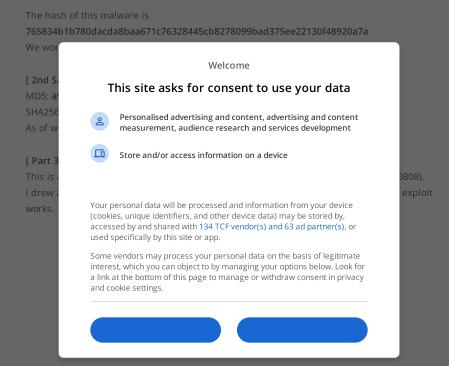
If we were to analysed the decoded JavaScript, we can see more interesting stuff as shown in the image below.

So it seems that the JavaScript is doing Base64 decoding of the very long string and dropping it as "msvcr.exe"

I wrote the following Ruby script to decode the Base64 String.

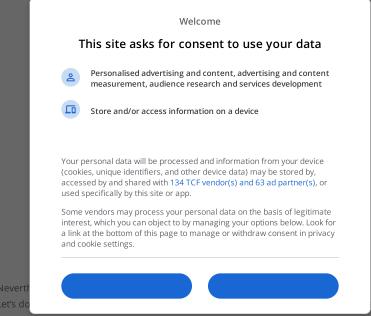
- 1 require "base64"
- 2 content = File.read('file.b64')
- decode_base64_content = Base64.decode64(content)
- 4 File.open("Output.exe", "wb") do |f|
- 5 f.write(decode_base64_content)
- 6 end

After Base64 decoding the string, the output file looks like this,



For this particular exploit, the first thing we should be looking at is **BinData/BIN0001.EPS** as shown below.

There is an unknown error upon opening the document using hwp2010.



the exploit was indeed executed and connect to

www.ethanpublishing[.]com/ethanpublishing/phpcms/templates/default/member/account_manage/teacup.jpg if we use FakeNet or similar tools.

We suppose that **teacup.jpg**" is most likely the payload. However, the jpg file is no longer found using the url so we cannot conduct further analysis on it.

Let's go on to focus our analysis on the vulnerablity that was exploited by the eps file.

Opening the file eps file in the text editor we can identify a few components of the exploit. The green block represents a NOP sled using 0xB5.

The blue block represents a NOP sled using 0x90.

The red block represents the shellcode.

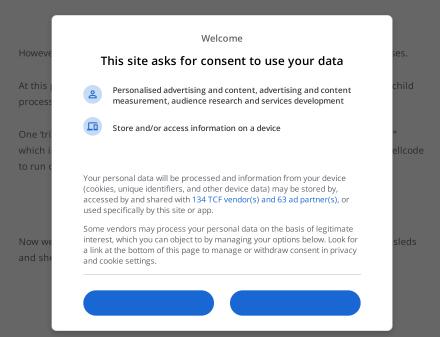
Following the shellcode is this line of post script command

1 500{/A1 65535 string dup 0 D40 putinterval def A1}repeat}

This command would execute a "Heap spray". 500 blocks of the NOP sleds and shellcodes would be 'sprayed' in the memory. The NOP sleds and shellcodes is allocated as a string with a length of 65535 characters.

Next we want to determine which vulnerable process is the exploit targetting. We do so by trying to search for traces of the NOP sleds and shellcodes in the memory of the vulnerable process.

At first it looks like the vulnerable process is likely hwp.exe or HimTraylcon.exe



Now after locating the vulnerable process, we have to debug into it to locate where the vulnerable code is exploited.

We shall modify the "CreationFlags" to CREATE_SUSPENDED. This would allow us to attach

debugger at the start of the execution of the gbb.exe process.

After tracing the code we located the instructions in gsdll32.dll that executed the NOP sled "0xB5B5" which is MOV CH,B5

From the vulnerable instructions, we can more or less conclude that the vulnerablity is indeed based on CVE-2013-0808

Source:https://www.vxsecurity.sg



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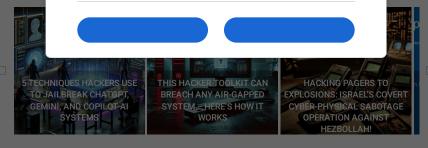
Personalised advertising and content, advertising and content measurement, audience research and services development



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Alisa Esage G

network security. Before joining us she held a cyber security researcher positions within a variety of cyber security start-ups. She also experience in different industry domains like finance, healthcare and consumer products.

ON: NOVEMBER 23, 2016 / IN: IMPORTANT, INCIDENTS, MALWARE, VULNERABILITIES / TAGGED: "DEFAULTJSCRIPT", MALWARE

CYBER SECURITY CHANNE

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NOW IN 2022 FIGHTER AIRCRAFT [VIDEO]

