

Secure Coding

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Lab experiment – Automated Vulnerability Analysis and Patch Management

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system - Notepad
File Edit Format View Help

Host Name:                NMESH004
OS Name:                  Microsoft Windows 10 Home Single Language
OS Version:              10.0.19042 N/A Build 19042
OS Manufacturer:        Microsoft Corporation
OS Configuration:       Standalone Workstation
OS Build Type:            Multiprocessor Free
Registered Owner:        NMESH
Registered Organization:  HP
Product ID:               00327-35853-66084-AADEM
Original Install Date:    09-03-2021, 17:57:16
System Boot Time:        07-06-2021, 13:06:51
System Manufacturer:     HP
System Model:             HP Laptop 15s-dr0xxx
System Type:              x64-based PC
Processor(s):             1 Processor(s) Installed.
                          [01]: Intel64 Family 6 Model 142 Stepping 12 GenuineIntel ~1600 Mhz
BIOS Version:             Insyde F.43, 31-03-2021
Windows Directory:       C:\WINDOWS
System Directory:        C:\WINDOWS\system32
Boot Device:              \Device\HarddiskVolume2
System Locale:            en-us;English (United States)
Input Locale:             00004009
Time Zone:                (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi
Total Physical Memory:    8,078 MB
Available Physical Memory: 2,979 MB
Virtual Memory: Max Size: 10,510 MB
Virtual Memory: Available: 2,510 MB
Virtual Memory: In Use:   8,000 MB
Page File Location(s):   C:\pagefile.sys
Domain:                  WORKGROUP
Logon Server:             \\NMESH004
Hotfix(s):               9 Hotfix(s) Installed.
                          [01]: KB5003254
                          [02]: KB4562830
                          [03]: KB4577586
                          [04]: KB4580325
                          [05]: KB4589212
                          [06]: KB4598481
                          [07]: KB5001679
```

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C:\Users\WOMESH\Desktop\Win sec 2021\secure coding\wesng-masters>python wes.py system.txt
Windows Exploit Suggester 0.98 [ https://github.com/bitsadmin/wesng/ ]
[+] Parsing systeminfo output
[+] Operating System
  - Name: Windows 10 Version 20H2 for x64-based Systems
  - Generation: 10
  - Build: 19H2
  - Version: 20H2
  - Architecture: x64-based
  - Installed hotfixes (9): KB5003254, KB4562830, KB4577586, KB4580325, KB4589212, KB4598481, KB5001679, KB5001173, KB5003242
[+] Loading definitions
  - Creation date of definitions: 20210530
[+] Determining missing patches
[+] Found vulnerabilities

Date: 20210216
CVE: CVE-2021-24111
KB: KB4601050
Title: .NET Framework Denial of Service Vulnerability
Affected product: Microsoft .NET Framework 4.8 on Windows 10 Version 20H2 for x64-based Systems
Affected component: Issuing CMA
Severity: Important
Impact: Denial of Service
Exploit: n/a

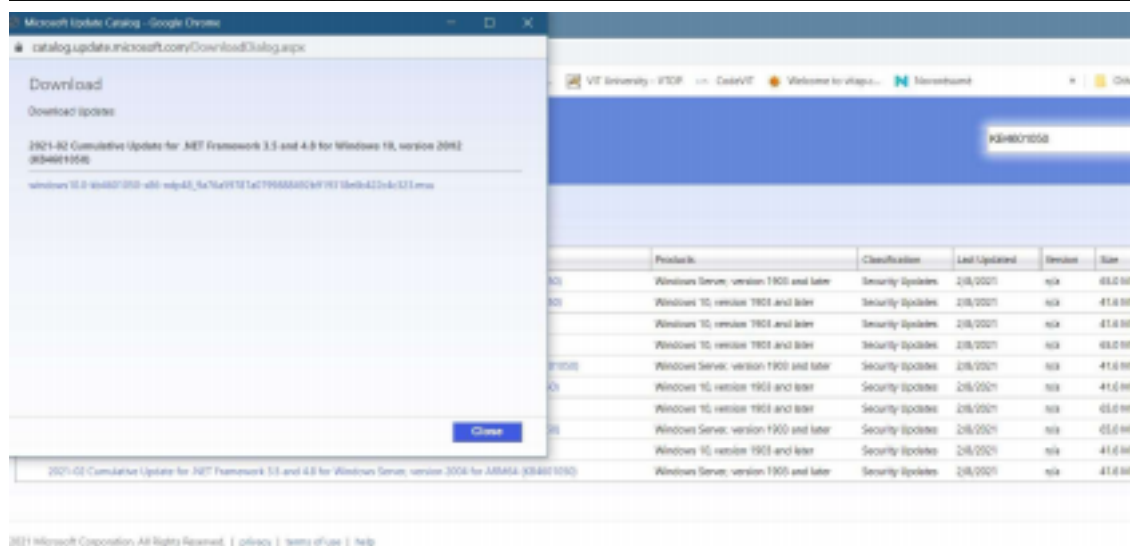
Date: 20210216
CVE: CVE-2021-24111
KB: KB4601050
Title: .NET Framework Denial of Service Vulnerability
Affected product: Microsoft .NET Framework 4.8 on Windows 10 Version 20H2 for x64-based Systems
Affected component: Issuing CMA
Severity: Important
Impact: Denial of Service
Exploit: n/a

[+] Missing patches: 1
  - KB4601050: patches 2 vulnerabilities
[+] KB with the most recent release date
  - ID: KB4601050
  - Release date: 20210216

[+] Done. Displaying 2 of the 2 vulnerabilities found.

C:\Users\WOMESH\Desktop\Win sec 2021\secure coding\wesng-masters>

```



I updates my System from reported vulnerabilites.