

My Windows 10 PC

VULNERABILITY REPORT

THURSDAY, JUNE 10, 2021



MODIFICATIONS HISTORY

Version	Date	Author	Description
1.0	06/10/2021	Satya Pramod Nagadamudi	Initial Version

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GENERAL INFORMATION

SCOPE

My Windows 10 PC has mandated us to perform security tests on the following scope:

- Exploiting Vulnerabilities in My Windows 10 PC
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ORGANISATION

The testing activities were performed between 06/10/2021 and 06/10/2021.

EXECUTIVE SUMMARY

VULNERABILITIES SUMMARY

Following vulnerabilities have been discovered:

Risk	ID	Vulnerability	Affected Scope
Medium	VULN-001	.NET Framework Denial of Service Vulnerability	.Net Framework 4.8

TECHNICAL DETAILS

.NET FRAMEWORK DENIAL OF SERVICE VULNERABILITY

CVSS SEVERITY	Medium		CVSSv3 SCORE	6.8
CVSSv3 CRITERIAS	Attack Vector :	Local	Scope :	Unchanged
	Attack Complexity :	Low	Confidentiality :	Low
	Required Privileges :	None	Integrity :	None
	User Interaction :	None	Availability :	High
AFFECTED SCOPE	.Net Framework 4.8			

DESCRIPTION	<p>Windows Exploit Suggester 0.98 (https://github.com/bitsadmin/wesng/)</p> <ul style="list-style-type: none">[+] Parsing systeminfo output[+] Operating System<ul style="list-style-type: none">- Name: Windows 10 Version 20H2 for x64-based Systems- Generation: 10- Build: 19043- Version: 20H2- Architecture: x64-based- Installed hotfixes (11): KB4601554, KB4562830, KB4570334, KB4577586, KB4580325, KB4586864, KB4589212, KB4598481, KB5000736, KB5003173, KB5003242[+] Loading definitions<ul style="list-style-type: none">- Creation date of definitions: 20210530[+] Determining missing patches[+] Found vulnerabilities<ul style="list-style-type: none">Date: 20210216CVE: CVE-2021-24111KB: KB4601050Title: .NET Framework Denial of Service VulnerabilityAffected product: Microsoft .NET Framework 4.8 on Windows 10 Version 20H2 for x64-based SystemsAffected component: Issuing CNASeverity: ImportantImpact: Denial of ServiceExploit: n/aDate: 20210216CVE: CVE-2021-24111KB: KB4601050Title: .NET Framework Denial of Service VulnerabilityAffected product: Microsoft .NET Framework 4.8 on Windows 10 Version 20H2 for x64-based SystemsAffected component: Issuing CNASeverity: ImportantImpact: Denial of ServiceExploit: n/a[+] Missing patches: 1<ul style="list-style-type: none">- KB4601050: patches 2 vulnerabilities[+] KB with the most recent release date<ul style="list-style-type: none">- ID: KB4601050- Release date: 20210216[+] Done. Displaying 2 of the 2 vulnerabilities found.
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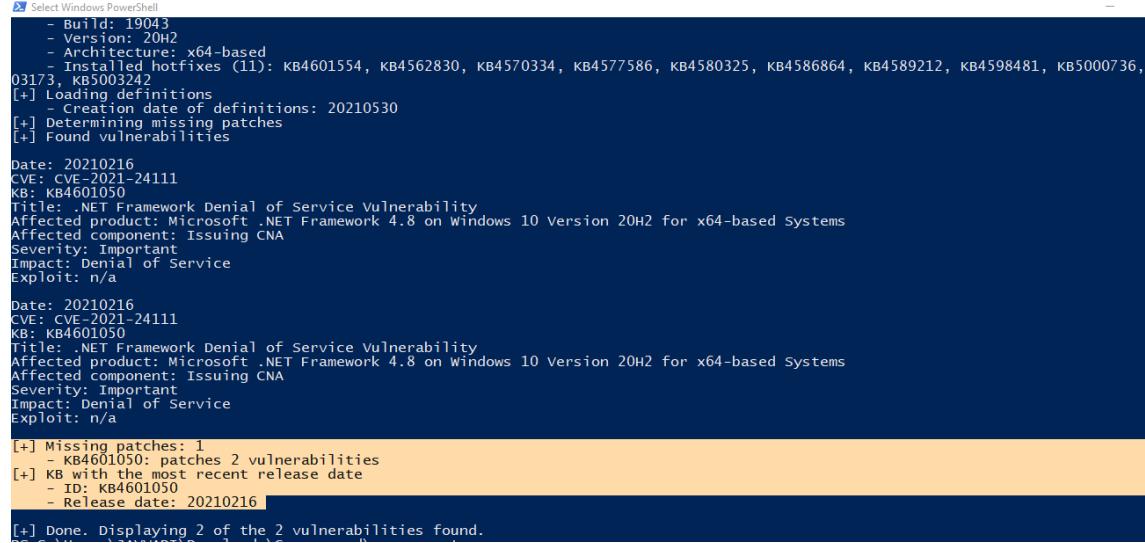
	<pre>Windows Exploit Suggester 0.98 (https://github.com/bitsadmin/wesng/) [+] Parsing systeminfo output [+] Operating System - Name: Windows 10 Version 20H2 for x64-based Systems - Generation: 10 - Build: 19043 - Version: 20H2 - Architecture: x64-based - Installed hotfixes (11): KB4601554, KB4562830, KB4570334, KB4577586, KB4580325, KB4586864, KB4589212, KB4598481, KB5000736, 03173, 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 CNA 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 CNA 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.</pre>
OBSERVATION	As, we have used Windows Exploit Suggester to check the vulnerabilities of my Windows 10 machine, We have found these Vulnerabilities we can observe that this can lead to DOS (Denial of Service) of .Net framework 4.8.

TEST DETAILS

I have Installed the recommended KB4601050 update & successfully patched the DOS .Net framework4.8 vulnerability

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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: 19043
  - Version: 20H2
  - Architecture: x64-based
  - Installed hotfixes (11): KB4601554, KB4562830, KB4570334, KB4577586, KB4580325, KB4586864, KB4589212, KB4598481, KB5000736, KB5003242
  - Manually specified hotfixes (1): KB4601050
[+] Loading definitions
  - Creation date of definitions: 20210530
[+] Determining missing patches
[-] No vulnerabilities found
```

Image 2 – Patched.JPG

REMEDIATION	<p>[+] Missing patches: 1 - KB4601050: patches 2 vulnerabilities [+] KB with the most recent release date - ID: KB4601050 - Release date: 20210216 We can install This KB4601050 & KB4601554(replaced update of KB4601050) updates. This will fix/patch these vulnerabilities in our respective machine.</p>  <p>Image 3 – Screenshot (139).png</p>
REFERENCES	Windows Update

