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# VULNERABILITY REPORT

MONDAY, JUNE 09, 2021





### **MODIFICATIONS HISTORY**

Version	Date	Author	Description
1.0	06/09/2021	Narra Venkata Sowmith	Initial Version



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### **GENERAL INFORMATION**

#### **S**COPE

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

• Exploiting the open level Vulnerabilities in My Windows 10 PC

#### **O**RGANIZATION

The testing activities were performed between 06/07/2021 and 06/09/2021.



# **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	Attack Vector :	Local	Scope :	Unchanged
CRITERIAS	Attack Complexity :	Low	Confidentiality:	Low
	Required Privileges :	None	Integrity:	None
	User Interaction :	None	Availability :	High
AFFECTED SCOPE	.Net Framework 4.8			
DESCRIPTION	[+] Parsing systeminfo of [+] Operating System - Name: Windows 10 Version: 10 - Build: 19043 - Version: 20H2 - Architecture: x64-base - Installed hotfixes (11): KB4589212, KB4598481 [+] Loading definitions - Creation date of defin [+] Determining missing [+] Found vulnerabilitie Date: 20210216 CVE: CVE-2021-24111 KB: KB4601050 Title: .NET Framework Affected product: Microsystems Affected component: Is Severity: Important Impact: Denial of Service Exploit: n/a Date: 20210216 CVE: CVE-2021-24111 KB: KB4601050 Title: .NET Framework Title: .NET Framework CVE: CVE-2021-24111 KB: KB4601050 Title: .NET Framework CVE: CVE-2021-24111 KB: KB4601050 Title: .NET Framework CVE: .NET Framewo	ersion 20H2 for x64-base ed KB4601554, KB4562830 L, KB5000736, KB500317 ditions: 20210530 g patches s  Denial of Service Vulner osoft .NET Framework 4 ce  Denial of Service Vulner	ed Systems  0, KB4570334, KB4577 13, KB5003242  Tability  1.8 on Windows 10 Ve	rsion 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. 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

- Anchitecture: 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
Fxploit: n/a [+] Missing patches: 1 - KB4601050: patches 2 vulnerabilities [+] KB with the most recent release date - ID: KB4601050 - Release date: 20210216 **OBSERVATION** As, I have used Windows Exploit Suggester to check the Vulnerabilities of my Windows 10 machine, I have found these Vulnerabilities. we can observe that this can lead to DOS (Denial of Service) attack of .Net framework 4.8. **TEST DETAILS** I have Installed the recommended KB4601050 update in windows power shell & had successfully patched the DOS. Net framework4.8 Vulnerability onk-to-Valletability

Adows 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, KB50

7.3, KB5003242

- Manually specified hotfixes (11): KB4601050 031/3, KB5003242

- Manually specified hotfixes (1): KB4601050

[+] Loading definitions
- Creation date of definitions: 20210530

[+] Determining missing patches

[-] No vulnerabilities found REMEDIATION [+] 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.

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## Stets Windows Prevail

Build: 19043

Version: 2002

Version: 2003

Version: 2004

Installed hotfixes (11): KB4601554, kB4562830, kB4570334, kB4577586, kB4580325, kB4586864, kB4589212, kB4598481, kB5000736, bash of the control of
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REFERENCES

Windows Update