SECURE CODING LAB7

SLOT: L23+L24

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Windows exploit suggester:

This is a tool that helps you to identify the vulnerability in your naïve windows system.

Follow the link in github to download the files required..... https://github.com/bitsadmin/wesng

Double click on the **setup.py** to setup windows exploit suggester.

Now open command prompt do as follows

```
E:\College\SEM - 6\LABS\SECURE-CODING\wes ng\wesng-master\wesng-master>systeminfo > systeminfo_sc_demo.txt

E:\College\SEM - 6\LABS\SECURE-CODING\wes ng\wesng-master\wesng-master>wes.py systeminfo_sc_demo.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: 19043

- Version: 20H2

- Architecture: x64-based

- Installed hotfixes (9): KB5003254, KB4562830, KB4577586, KB4580325, KB4589212, KB4598481, KB5000736, KB5003214, KB
5003503

[+] Loading definitions

- Creation date of definitions: 20210530

[+] Determining missing patches

[+] Found vulnerabilities
```

Pipe the systeminfo as a txt file to the wes.py and it will list all the vulnerabilities in the system.

At last it will give you all the patches that are required to patch the vulnerabilities as below.

```
    [+] Missing patches: 2

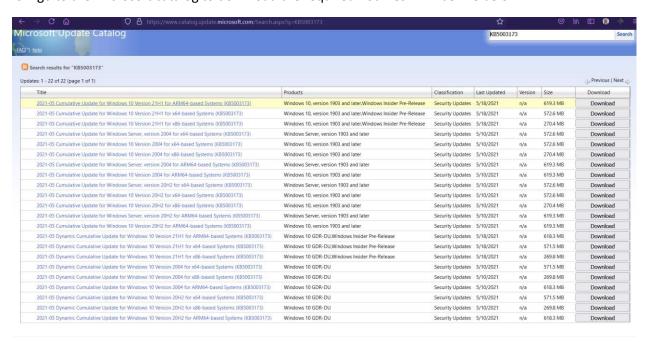
            KB5003173: patches 50 vulnerabilities
            KB4601050: patches 2 vulnerabilities

    [+] KB with the most recent release date

            ID: KB5003173
            Release date: 20210511

    [+] Done. Displaying 52 of the 52 vulnerabilities found.
```

Now go to the Microsoft catalog to download the required hotfixes I will be like below.



Download the appropriate hotfixes for your pc type **winver** in start to get the version of the pc you are using. Download your hotfixes and fix your vulnerabilities.

About Windows X



Microsoft Windows

Version 21H1 (OS Build 19043.1023)

© Microsoft Corporation. All rights reserved.

The Windows 10 Home Single Language operating system and its user interface are protected by trademark and other pending or existing intellectual property rights in the United States and other countries/regions.

This product is licensed under the $\underline{\text{Microsoft Software License}}$ $\underline{\text{Terms}}$ to:

user name

org name

ОК

C:\Windows\System32\cmd.exe

Severity: Important

Impact: Security Feature Bypass

Exploit: n/a

Date: 20210511 CVE: CVE-2021-31208 KB: KB5003173

Title: Windows Container Manager Service Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 20H2 for x64-based Systems

Affected component: Issuing CNA

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20210511 CVE: CVE-2021-31208 KB: KB5003173

Title: Windows Container Manager Service Elevation of Privilege Vulnerability

Affected product: Windows 10 Version 20H2 for x64-based Systems

Affected component: Issuing CNA

Severity: Important

Impact: Elevation of Privilege

Exploit: n/a

Date: 20210511 CVE: CVE-2021-28476 KB: KB5003173

Title: Hyper-V Remote Code Execution Vulnerability

Affected product: Windows 10 Version 20H2 for x64-based Systems

Affected component: Issuing CNA

Severity: Critical

Impact: Remote Code Execution

Exploit: n/a

Date: 20210511 CVE: CVE-2021-28476 KB: KB5003173

Title: Hyper-V Remote Code Execution Vulnerability

Affected product: Windows 10 Version 20H2 for x64-based Systems

Affected component: Issuing CNA

Severity: Critical

Impact: Remote Code Execution

Exploit: n/a

[+] Missing patches: 2

- KB5003173: patches 50 vulnerabilities
 - KB4601050: patches 2 vulnerabilities
 [+] KB with the most recent release date

- ID: KB5003173

- Release date: 20210511

[+] Done. Displaying 52 of the 52 vulnerabilities found.

