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Experiment and Analysis

- Deploy Windows Exploit Suggester Next Generation (WES-NG)
- Obtain the system information and check for any reported vulnerabilities.
- If any vulnerabilities reported, apply patch and make your system safe.
- Submit the auto-generated report using pwndoc.

1) Clone the Windows Exploit Suggester repo and run the wes.py

```
MARNING:root:chardet module nof initalled. In 'ase of encoding errors, install chardet sing: pip3 install chardet usage: wes.py [-u] [-update-wes] [-version] [-definitions] [EMPACTS [IMPACTS ...]] [-definitions] [-definitions] [-p INSTALLEDPATCH ...]] [-definitions] [-definitions] [-muc-lookup] [-h] [-severing fefile] [-severing fefile] [-muc-lookup] [-h] [-muc-lookup] [-h] [-severing fefile] [-severing fefile] [-muc-lookup] [-h] [-muc-lookup] [-muc-lookup] [-h] [-muc-lookup] [-h] [-muc-lookup] [-h] [-muc-lookup] [-h] [-muc-lookup] [-
```

2) Output your system info with this command "systeminfo> systeminfo.txt "



3) Now look for vulnerabilities using your last txt file output "wes.py systeminfo.txt --output vul.csv"

```
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: 19042

- Version: 20H2

- Architecture: x64-based

- Installed hotfixes (10): KB4601554, KB5003254, KB4562830, KB4577586, KB4580325, KB4589212, KB4598481, KB5001679, KB5003637, KB5003503

[+] Loading definitions

- Creation date of definitions: 20210607

[+] Determining missing patches

[+] Found vulnerabilities

[+] Writing 52 results to vul.csv

[+] Missing patches: 2

- KB5003173: patches 50 vulnerabilities

- KB4601050: patches 2 vulnerabilities

[+] KB with the most recent release date

- ID: KB5003173

- Release date: 20210511

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

4) All vulnerabilities in your system are shown in vul.csv

