# Lab-13

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Lab experiment – Automated Vulnerability Analysis and Patch Management

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.

Happy Learning!!!
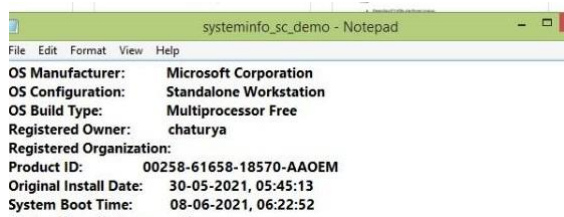

```
C:\Users\chaturya\Downloads\wesng-master>systeminfo >systeminfo_sc_demo.txt

C:\Users\chaturya\Downloads\wesng-master>python wes.py --update
Windows Exploit Suggester 0.98 ( https://github.com/bitsadmin/wesng/ )
[+] Updating definitions
[+] Obtained definitions created at 20210530

C:\Users\chaturya\Downloads\wesng-master>python 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 2004 for x64-based Systems
    - Generation: 10
    - Build: 19041
```

```
[+] Missing patches: 3
    - KB4569745: patches 2 vulnerabilities
    - KB4601050: patches 2 vulnerabilities
    - KB4566785: patches 1 vulnerability
[+] KB with the most recent release date
    - ID: KB4601050
    - Release date: 20210216

[+] Done. Displaying 5 of the 5 vulnerabilities found.
```

```
C:\Users\chaturya\Downloads\wesng-master>python wes.py systeminfo_sc_demo.txt -p KB4569745 kB4566785 KB4601050
Windows Exploit Suggester 0.98 ( https://github.com/bitsadmin/wesng/ )
[+] Parsing systeminfo output
[+] Operating System
    - Name: Windows 10 Version 2004 for x64-based Systems
    - Generation: 10
    - Build: 19041
    - Version: 2004
    - Architecture: x64-based
    - Installed hotfixes (16): KB4601554, KB4534170, KB4537759, KB4542335, KB4545706, KB4570334, KB4577266, KB4577586, K
B4580325, KB4586864, KB4589212, KB4593175, KB4598481, KB5001679, KB5003173, KB5003242
    - Manually specified hotfixes (3): KB4566785, KB4601050, KB4569745
[+] Loading definitions
    - Creation date of definitions: 20210530
[+] Determining missing patches
[-] No vulnerabilities found
```