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L39+L40

LAB 13

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 are reported, apply patches and make your system safe.
- 1) Clone the Windows Exploit Suggester repo and run the wes.py
- 2) Output your system info with this command
- 3) Now look for vulnerabilities using your last txt file output
- 4) All vulnerabilities in your system are shown in vul.csv

```
C. Ubers/Wholic/Domolouds/weng-master>, wes.py
C. Ubers/Wholic/Domolouds/weng-master>, wespective 0.00
Wholicous Exploit Suggester 0.00
Wholicous Ex
```

```
Determine vulnershilities explicitly specifying definitions file

**ex-py systeminfo.tx* --definitions Cxtuplupide5.slp

List only vulnershilities with exploits, excluding Hr. Edge and Flash

**ex-py systeminfo.tx* --epinition Cxtuplupide5.slp

List only vulnershilities of a certain impact

**ex-py systeminfo.tx* --impact "Remote Code Execution"

**ex-py systeminfo.tx* --impact "Ricrosoft"s online Update Catalog

**ex-py systeminfo.tx* --impact Ricrosoft Ri
```

DESKTOP-CE46344 Microsoft Windows 10 Pro Host Name: OS Name: 10.0.19041 N/A Bulla Microsoft Corporation Standalone Workstation Multiprocessor Free OS Version: 10.0.19041 N/A Build 19041 OS Manufacturer: OS Configuration: OS Build Type: Registered Owner: Registered Organization: Product ID: 00331-10000-00001-AA328
Original Install Date: 10/12/2020, 13:54:00
System Boot Time: 13/06/2021, 10:15:58 System Boot Time: 13/06/202 System Manufacturer: Dell Inc. 13/06/2021, 10:15:58 System Model: Inspiron 5559 x64-based PC System Type: Processor(s): 1 Processor(s) Installed. [01]: Intel64 Family 6 Model 78 Stepping 3 GenuineIntel ~1800 Mhz BIOS Version: Dell Inc. 1.2.1, 08/06/2016 C:\WINDOWS
C:\WINDOWS\system32
\Device\HarddiskVolume2
en-gb;English (United Kingdom)
00004009 Windows Directory: System Directory: Boot Device: System Locale: Input Locale: Time Zone: (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi Total Physical Memory: 8,084 MB Available Physical Memory: 3,643 MB

Virtual Memory: Max Size: 9,364 MB

Virtual Memory: Available: 3,186 MB Virtual Memory: In Use: 6,178 MB Page File Location(s): C:\pagefile.sys Domain: WORKGROUP Logon Server: \\DESKTOP-CE46344 Hotfix(s): 9 Hotfix(s) Installed. [01]: KB5003254 [02]: KB4577586 [03]: KB4580325 [04]: KB4586864 [05]: KB4589212 [06]: KB4593175 [07]: KB4598481 [08]: KB5003637 [09]: KB5003503 Network Card(s): 4 NIC(s) Installed. [01]: Realtek PCIe FE Family Controller Connection Name: Ethernet Media disconnected Status: [02]: Intel(R) Dual Band Wireless-AC 3160 Connection Name: WiFi DHCP Enabled: DHCP Server: 192.168.87.199 IP address(es) [01]: 192.168.87.57 [02]: fe80::11be:4096:cc23:28cd [031: 2409:4070:2e88:86e4:e915:a18a:9cda:ee42 [04]: 2409:4070:2e88:86e4:11be:4096:cc23:28cd [03]: VirtualBox Host-Only Ethernet Adapter Connection Name: VirtualBox Host-Only Network DHCP Enabled: No IP address(es) [01]: 192.168.56.1 [02]: fe80::6108:c060:73fd:9792 [04]: Bluetooth Device (Personal Area Network) Connection Name: Bluetooth Network

Status:

VM Monitor Mode Extensions: Yes

Virtualization Enabled In Firmware: Yes Second Level Address Translation: Yes Data Execution Prevention Available: Yes

Media disconnected

Connection 2

Hyper-V Requirements:



