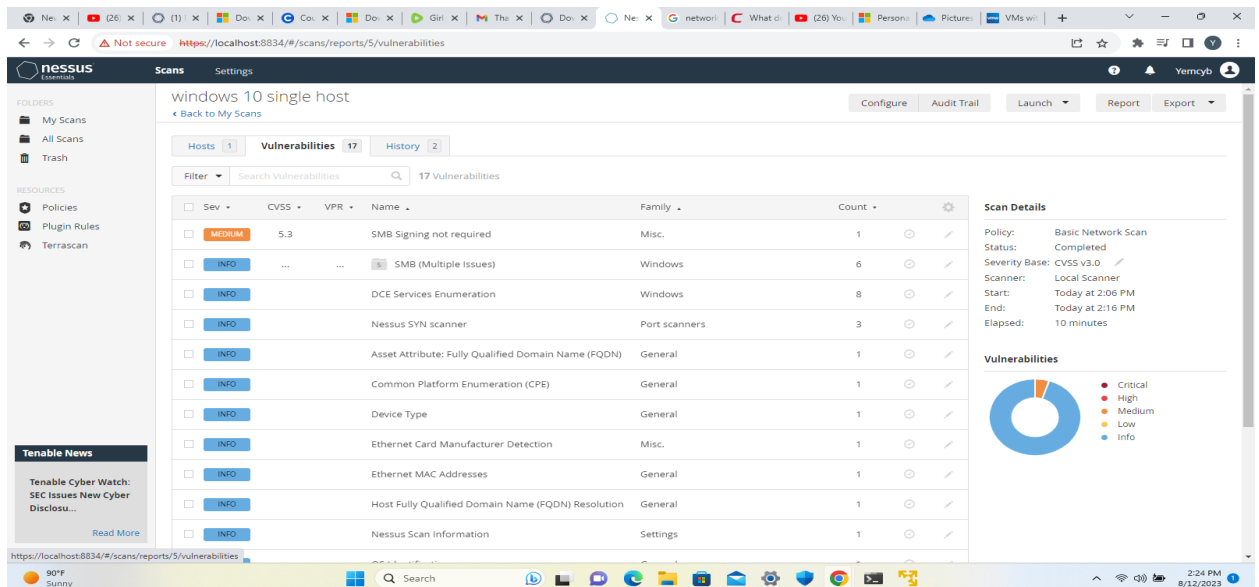# Vulnerability Management Using Nessus Scanner

- Installed and configured Nessus Essentials to perform credentialed scans against windows 10 hosts

- Implemented Vulnerability Management on sandbox networks:
    Discover, Prioritize, Asses, Report, Remediate,Verify

- Ran a non credentialed scan on this network discovered 17 vulnerabilities

- Conducted a credentialed vulnerability scan with nessus scanner, discovered 39 vulnerabilities, credentialed scan gave us a deeper scan to help me find more harmful threats to the network.

Windows 10 Single Host / Mozilla Firefox (Multiple Issues)

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Search Vulnerabilities   141 Vulnerabilities

	Sev ▾	Name ▾	Family ▾	Count ▾
☐	CRITICAL	Firefox < 14.0 Multiple ...	Windows	1
☐	CRITICAL	Firefox < 15.0 Multiple ...	Windows	1
☐	CRITICAL	Firefox < 16.0 Multiple ...	Windows	1
☐	CRITICAL	Firefox < 16.0.1 Multipl...	Windows	1
☐	CRITICAL	Firefox < 17.0 Multiple ...	Windows	1
☐	CRITICAL	Firefox < 18.0 Multiple ...	Windows	1
☐	CRITICAL	Firefox < 19.0 Multiple ...	Windows	1
☐	CRITICAL	Firefox < 20 Multiple V...	Windows	1
☐	CRITICAL	Firefox < 21.0 Multiple ...	Windows	1
☐	CRITICAL	Firefox < 22.0 Multiple ...	Windows	1
☐	CRITICAL	Firefox < 23.0 Multiple ...	Windows	1
☐	CRITICAL	Firefox < 24.0 Multiple ...	Windows	1
☐	CRITICAL	Firefox < 25.0 Multiple ...	Windows	1

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- Nessus software provided remediation recommendations to follow so vulnerabilities can decrease to eventually have a safer network.

- Implemented remediation strategy by running windows update and uninstalling old version of firefox. After remediating the vulnerabilities I rescanned the sandbox network vulnerabilities went down to 6.

- In this lab with a nessus scanner I introduced a remediation process to deal with vulnerabilities stemming from old versions of windows as well as third party software in this case being firefox. In this lab, I removed over 30 vulnerabilities on the network optimizing the nessus Scanner to identify security flaws on potential critical systems.