

Pen Testing with an Army of One

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Pentesting with an army of 1







Session Goals, You will know:

- → Difference between pen testing and vulnerability scanning
- → Why you should do pen tests
- → Know how to act on the results
- → Evaluate pen test providers





Definitions

Vulnerability Scanning
vs
Penetration Testing

Vulnerability Scan

A vulnerability scan is an automated process that systematically identifies weaknesses in a system, network, or application.

It relies on specialized tools to scan for known vulnerabilities without actively attempting to exploit them.

The primary goal is to provide a comprehensive inventory of potential security issues. - CoPilot Al

PenTest

In a penetration test, experts simulate real-world attacks to

identify vulnerabilities and actively attempt to exploit them. Pen tests go beyond mere identification; they assess the impact and risk associated with each vulnerability.

By mimicking the tactics of malicious actors, pen testers provide a more accurate picture of an organization's security posture. -CoPilot Al



Does your company conduct Pen Tests?

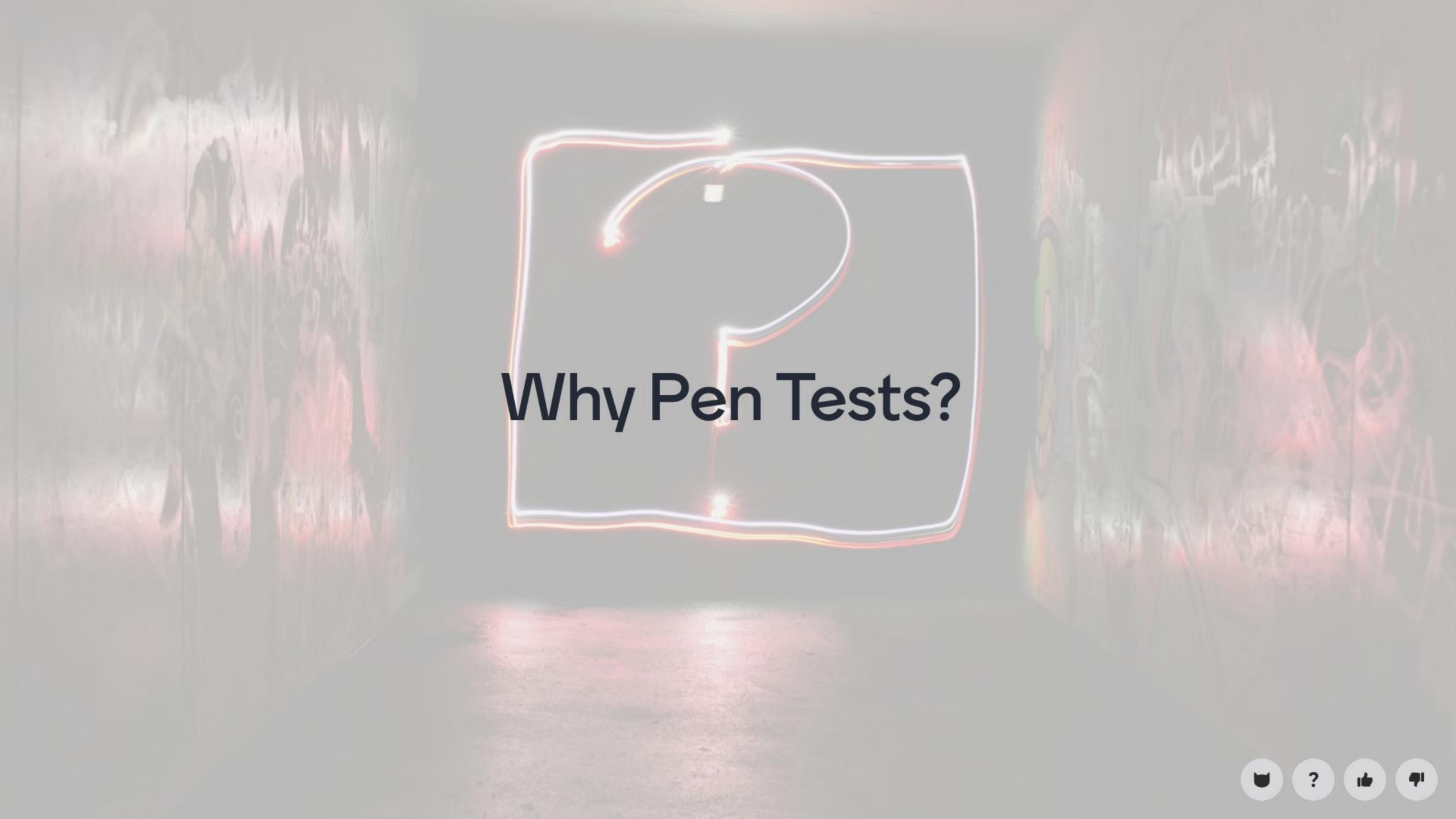
0 No testing at all

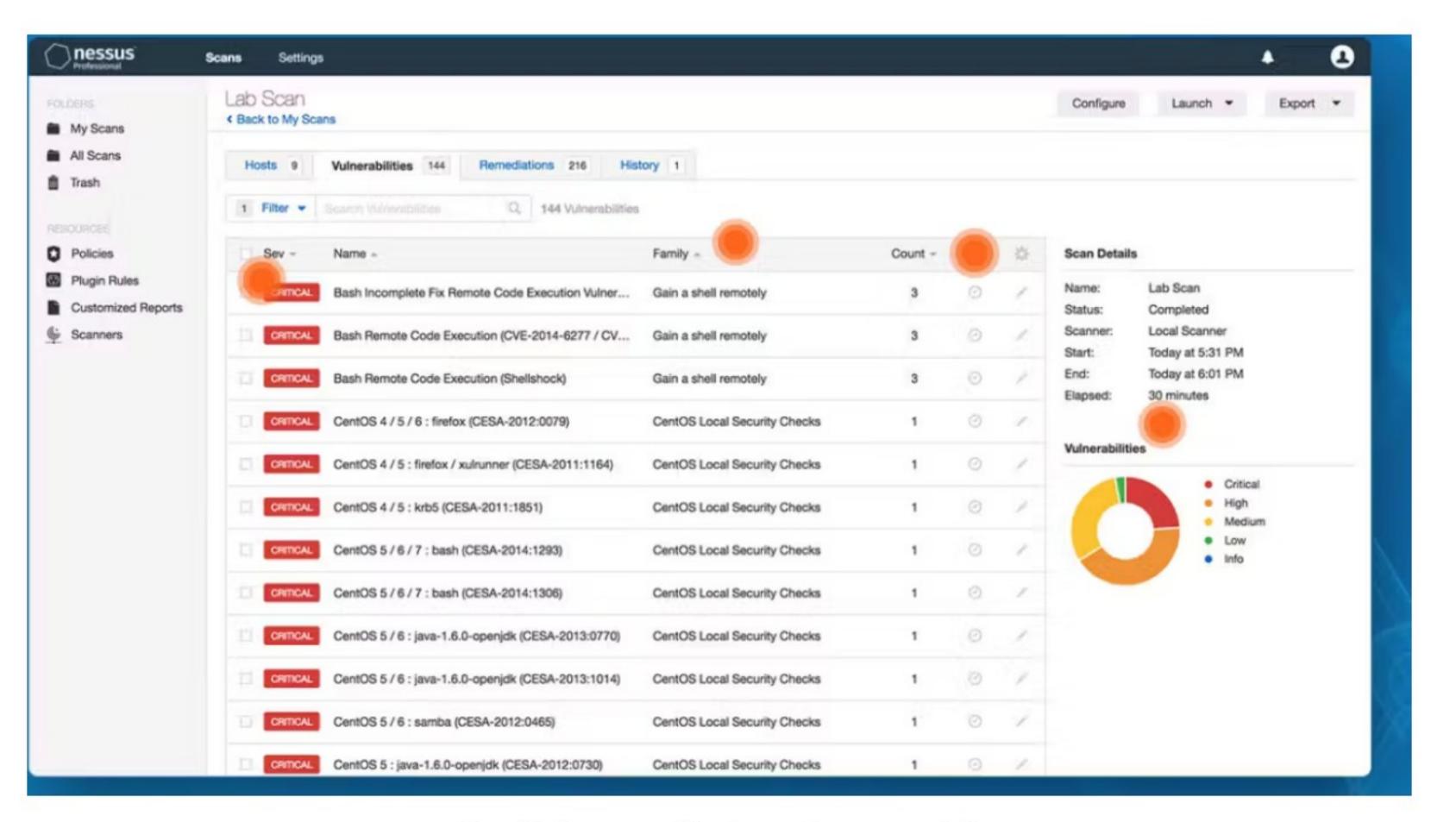
0 No. just vulnerability scans

Yes, every few years

0 Yes, annually

0 Multiple times a year

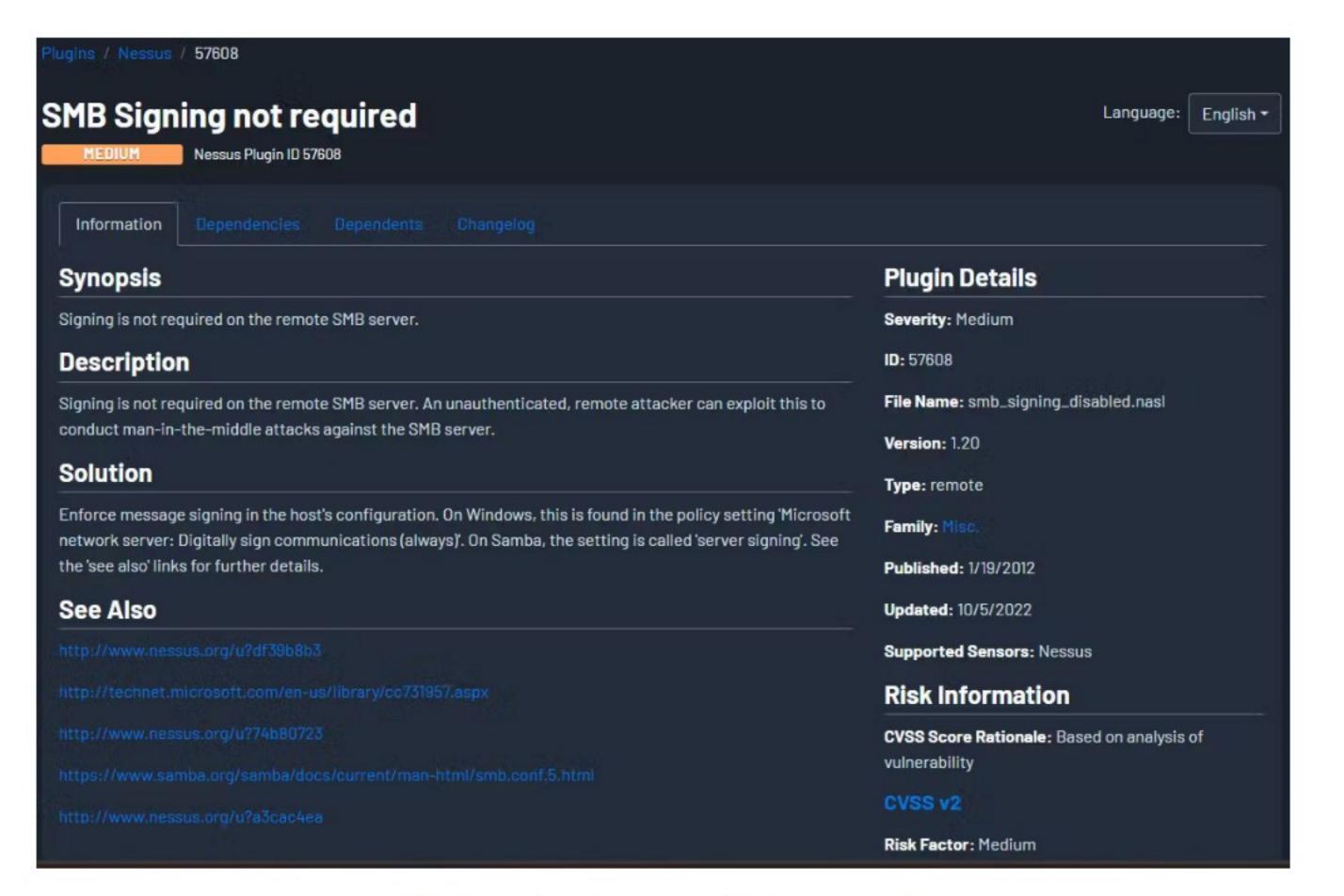




Is this really bad or not?







What about this one?





Not important Probably needs to Critical, fix now! Needs to be fixed I'm not sure be fixed eventually this month

Language: English *

Plugin Details

Severity: Medium

ID: 57608

File Name: smb_signing_disabled.nasl

Version: 1.20

Type: remote

crosoft . See

s to

Family: Misc

Published: 1/19/2012

Updated: 10/5/2022

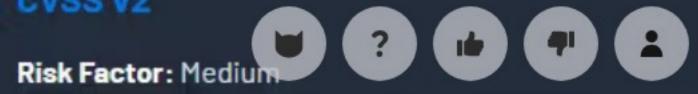
Supported Sensors: Nessus

Risk Information

CVSS Score Rationale: Based on analysis of

vulnerability

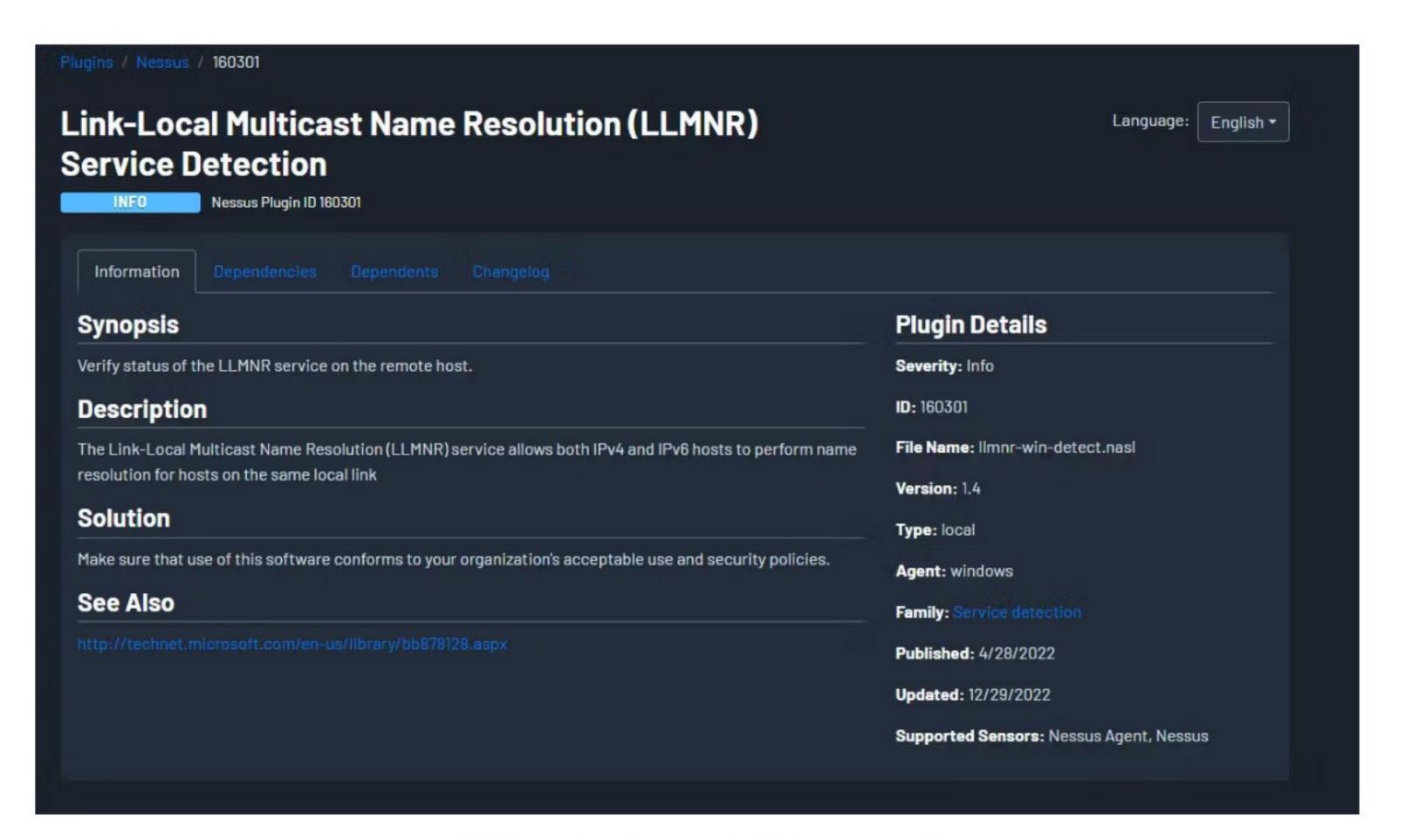
CVSS v2











What about this one?





Language: English ▼

Plugin Details

Severity: Info

ID: 160301

File Name: Ilmnr-win-detect.nasl

Version: 1.4

Type: local

Agent: windows

Family: Service detection

Published: 4/28/2022

Updated: 12/29/2022

Supported Sensors: Nessus Agent, Nessus

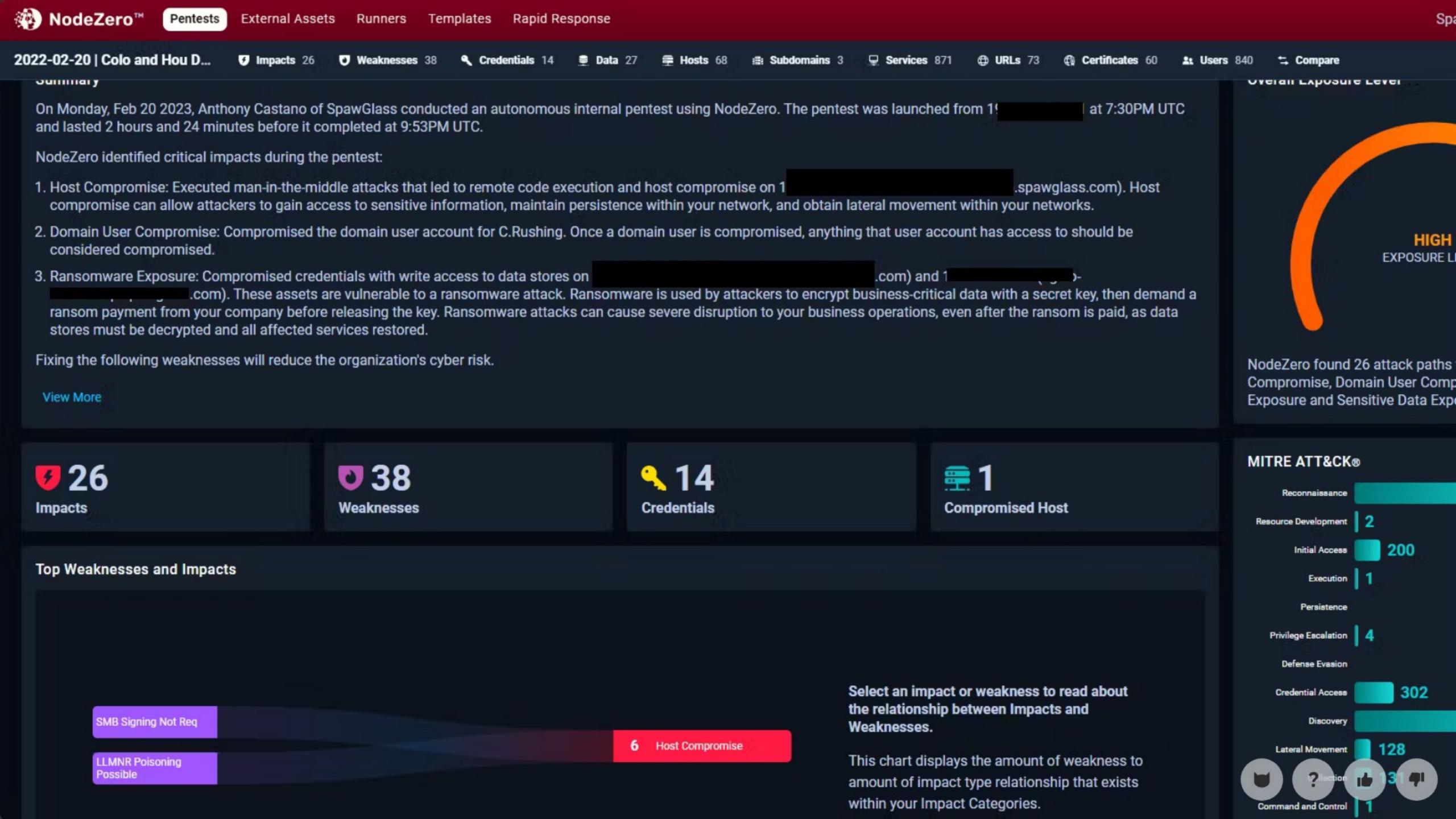










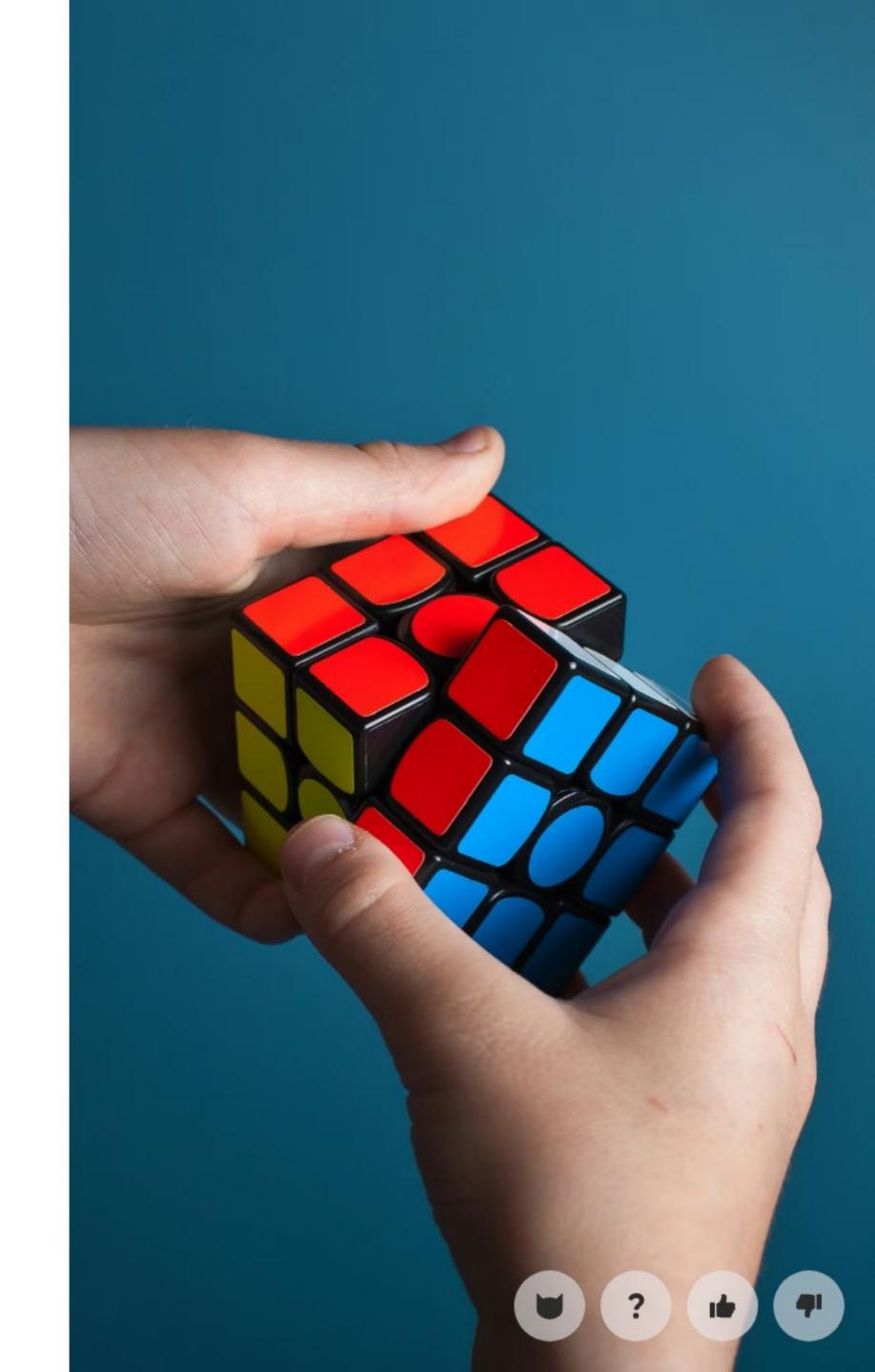


How easy is it to fix LLMNR?



Nessus Information Link LLMNR

https://learn.microsoft.com/en-us/previousversions//bb878128(v=technet.10)?redirectedfrom=MSDN



How do I fix SMB signing or turning off LLMNR?





SpawGlass' Journey



- Vulnerability Patching Only
- Light Pen Testing
- Full Server Network Pen Testing
- Maintenance and Deviation Detection



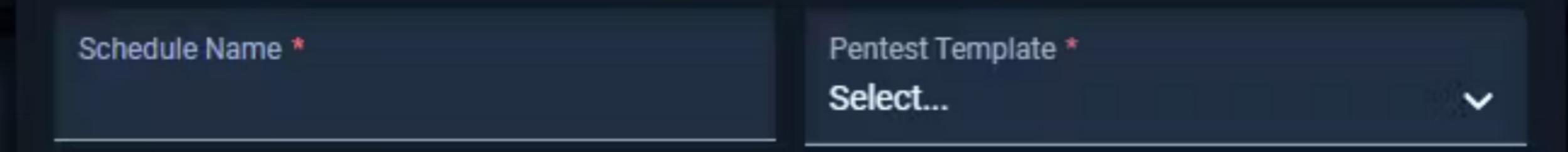


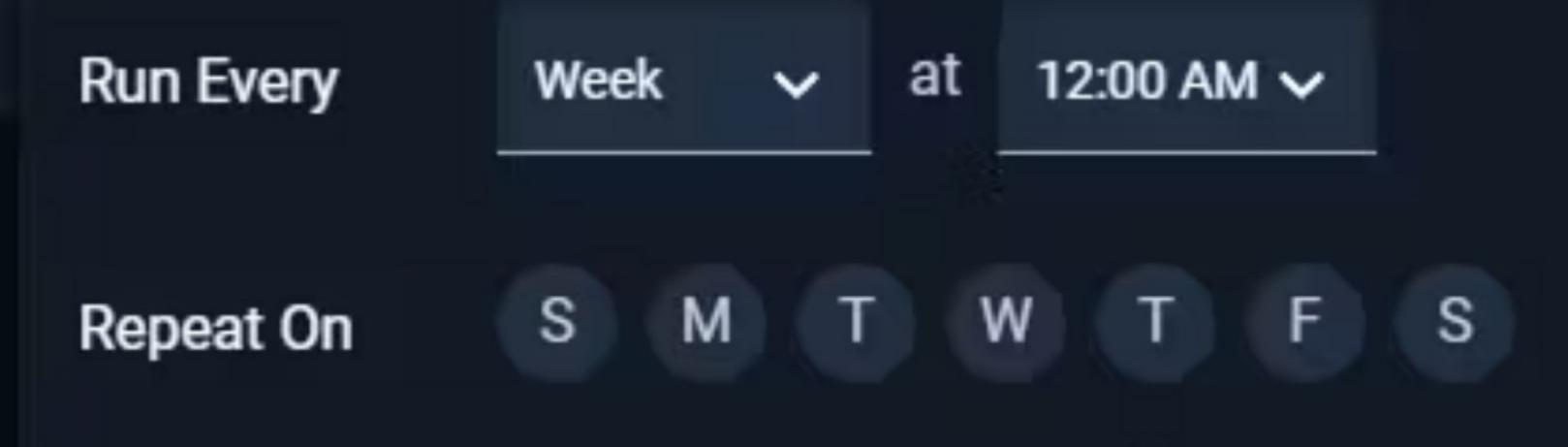
Selection of a partner

- Automated Testing
- Actionable Information
- Affordable Pricing



using a custom cromexpression. Lean More





Advanced Options: CRON Expression



At 12:00 AM, every day.

Next: Jul 29, 2024, 12:00 AM UTC (Local: Jul 28, 2024, 7:00 PM CDT)



ng to critical impacts, including a Host Compromise .com).

7 5
BASE ATTACK
SCORE PATHS

ate 19% of critical impact paths.

e of two components of Microsoft Windows machines that serve as can spoof a reply as an authoritative source to a victim request and etwork. Credential information can be captured in hashed or plaintext

discover the plaintext password for reuse on other systems or the ns as well. Likewise, a captured plaintext credential can be

S Poisoning

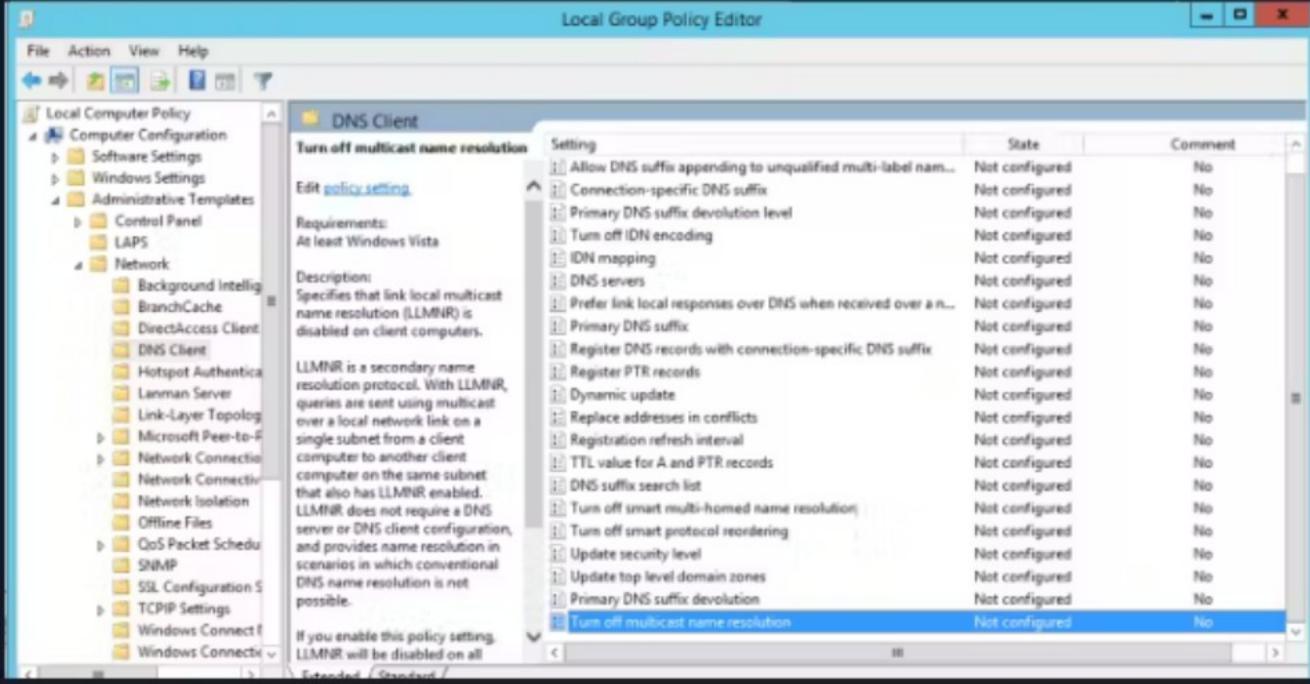
Proofs 7 Fix Actions Downstream Impacts 5 Credentials 14

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- Option 1: Disable via Group Policy
- Option 2: Disable on Selected Hosts

Option 1: Disable via Group Policy.

- 1. Open the "Local Group Policy Editor" on the Domain Controller.
- Navigate to Computer Configuration > Administrative Templates > Network > DNS Client and then selecting "Turn Off Multicast Name Resolution"











Watch out for...

- Branded Nessus scans
- Vague details of tools used
- No after scan support



Continue your learning, recommended podcasts:

- Heavy Strategy
- → Security Now
- → Packet Protector
- Visit with Horizon3.ai



Questions?



