

A decorative graphic on the left side of the slide consisting of overlapping geometric shapes. It includes a blue parallelogram, a light green parallelogram, and a dark grey parallelogram, all with sharp, angular edges.

How To Use Nessus Vulnerability Scanner

How to detect and remediate vulnerabilities a
as beginner



Purpose

To see what vulnerabilities are found

Perform 4 scans

1. non-credentialed
2. credentialed
3. credentialed scan (with deprecated software)
4. final credentialed scan (after remediation)

Compare/contrast each scan and remediate as much as possible.



Scans

Non-credentialed Scan

Do not need privileged credentials to scan system

Credentialed Scan

Requires privileged credentials to scan system (username/password to VM)

Credentialed Scan (with deprecated software)

We will install deprecated software and then run a third scan

Final Credentialed Scan (after remediation)

Run one last scan after remediating vulnerabilities



After Scanning VM...

1. Compare all 4 scans to one another
2. Remediate vulnerabilities



WARNING !!

- Do not run scans on systems outside of the VM (do not run scan on an other individuals system)
- Do not accidentally download deprecated software on host machine, make sure you are in your VM



How to Get Started

1. Download Windows 10 ISO
2. Download Nessus Essentials
3. Download VMware Workstation (or any other hypervisor)