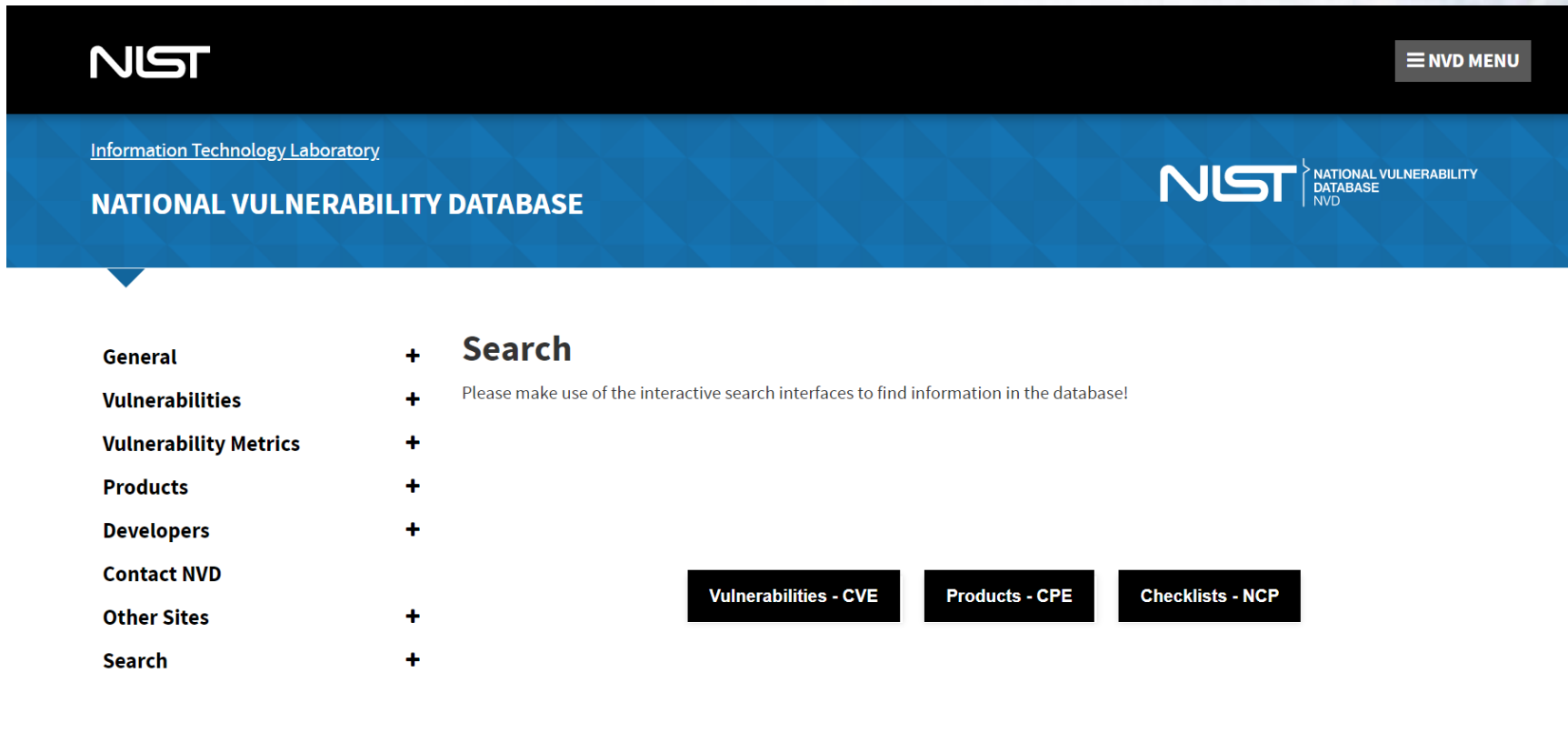


Common Vulnerabilities and Expore



NIST

Information Technology Laboratory

NATIONAL VULNERABILITY DATABASE

NIST NATIONAL VULNERABILITY DATABASE NVD

General +

Vulnerabilities +

Vulnerability Metrics +

Products +

Developers +

Contact NVD

Other Sites +

Search +

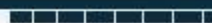
Search

Please make use of the interactive search interfaces to find information in the database!

Vulnerabilities - CVE **Products - CPE** **Checklists - NCP**

<https://nvd.nist.gov/search>

--	--	--	--	--	--	--	--



NATIONAL VULNERABILITY DATABASE



+

+

+

+

+

+

+



Vulnerability Statuses

CVE defines a vulnerability as:

Common Vulnerabilities and Exposures

NIST

≡ NVD MENU

[Information Technology Laboratory](#)

NATIONAL VULNERABILITY DATABASE

NIST NATIONAL VULNERABILITY
DATABASE
NVD

VULNERABILITIES

Search Vulnerability Database

Try a product name, vendor name, CVE name, or an OVAL query.

NOTE: Only vulnerabilities that match ALL keywords will be returned, Linux kernel vulnerabilities are categorized separately from vulnerabilities in specific Linux distributions.

Search results will only be returned for data that is populated by NIST or from source of Acceptance Level "Provider".

Search Type

☒ Basic ☐ Advanced

Results Type

☒ Overview ☐ Statistics

Keyword Search

Contains HyperLinks

- ☐ CISA Known Exploited Vulnerabilities
- ☐ US-CERT Technical Alerts
- ☐ US-CERT Vulnerability Notes
- ☐ OVAL Queries

Search

Reset

Common Vulnerabilities and Exposures

NATIONAL VULNERABILITY DATABASE



VULNERABILITIES

Search Vulnerability Database

Try a product name, vendor name, CVE name, or an OVAL query.

NOTE: Only vulnerabilities that match ALL keywords will be returned, Linux kernel vulnerabilities are categorized separately from vulnerabilities in specific Linux distributions.

Search results will only be returned for data that is populated by NIST or from source of Acceptance Level "Provider".

Search Type

☒ Basic ☐ Advanced

Results Type

☒ Overview ☐ Statistics

Keyword Search

☐ Exact Match

Search Type

☒ All Time ☐ Last 3 Months

Contains HyperLinks

☐ CISA Known Exploited Vulnerabilities

☐ US-CERT Technical Alerts

☐ US-CERT Vulnerability Notes

☐ OVAL Queries

Common Vulnerabilities and Expore

← → ↺ 🏠 https://nvd.nist.gov/vuln/search/results?form_type=Basic&results_ty 📄 ⋮ 📌 ⭐ 🔍 Search 🏠 📄 ☰

Displaying matches **1** through **20**.

- Results Type: Overview
- Keyword (text search): dns
- Search Type: Search All

Vuln ID 🏷️	Summary ⓘ	CVSS Severity ⚖️
CVE-2019-6612	On BIG-IP 14.0.0-14.1.0.1, 13.0.0-13.1.1.4, 12.1.0-12.1.4, 11.6.1-11.6.3.4, and 11.5.2-11.5.8, DNS query TCP connections that are aborted before receiving a response from a DNS cache may cause TMM to restart. Published: May 03, 2019; 02:29:01 PM -04:00	(not available)
CVE-2019-11676	The user defined DNS name in Zoho ManageEngine Firewall Analyzer before 12.3 Build 123224 is vulnerable to stored XSS attacks. Published: May 02, 2019; 10:29:00 AM -04:00	V3: 6.1 MEDIUM V2: 4.3 MEDIUM
CVE-2019-3801	Cloud Foundry cf-deployment, versions prior to 7.9.0, contain java components that are using an insecure protocol to fetch dependencies when building. A remote unauthenticated malicious attacker could hijack the DNS entry for the dependency, and inject malicious code into the component. Published: April 25, 2019; 05:29:00 PM -04:00	V3: 9.8 CRITICAL V2: 5.0 MEDIUM
CVE-2019-2033	In create_hdr of dnssd_clientstub.c, there is a possible use after free. This could lead to local escalation of privilege with no additional execution privileges needed. User interaction is not needed for exploitation. Product: Android. Versions: Android-9. Android ID: A-121327565.	V3: 7.8 HIGH V2: 4.6 MEDIUM

Common Vulnerabilities and Exposures



Products Support & Learn Partners Events & Videos

Home / Cisco Security / Security Advisories

Cisco Security

Cisco Security Advisories

Vulnerabilities Filter By Product

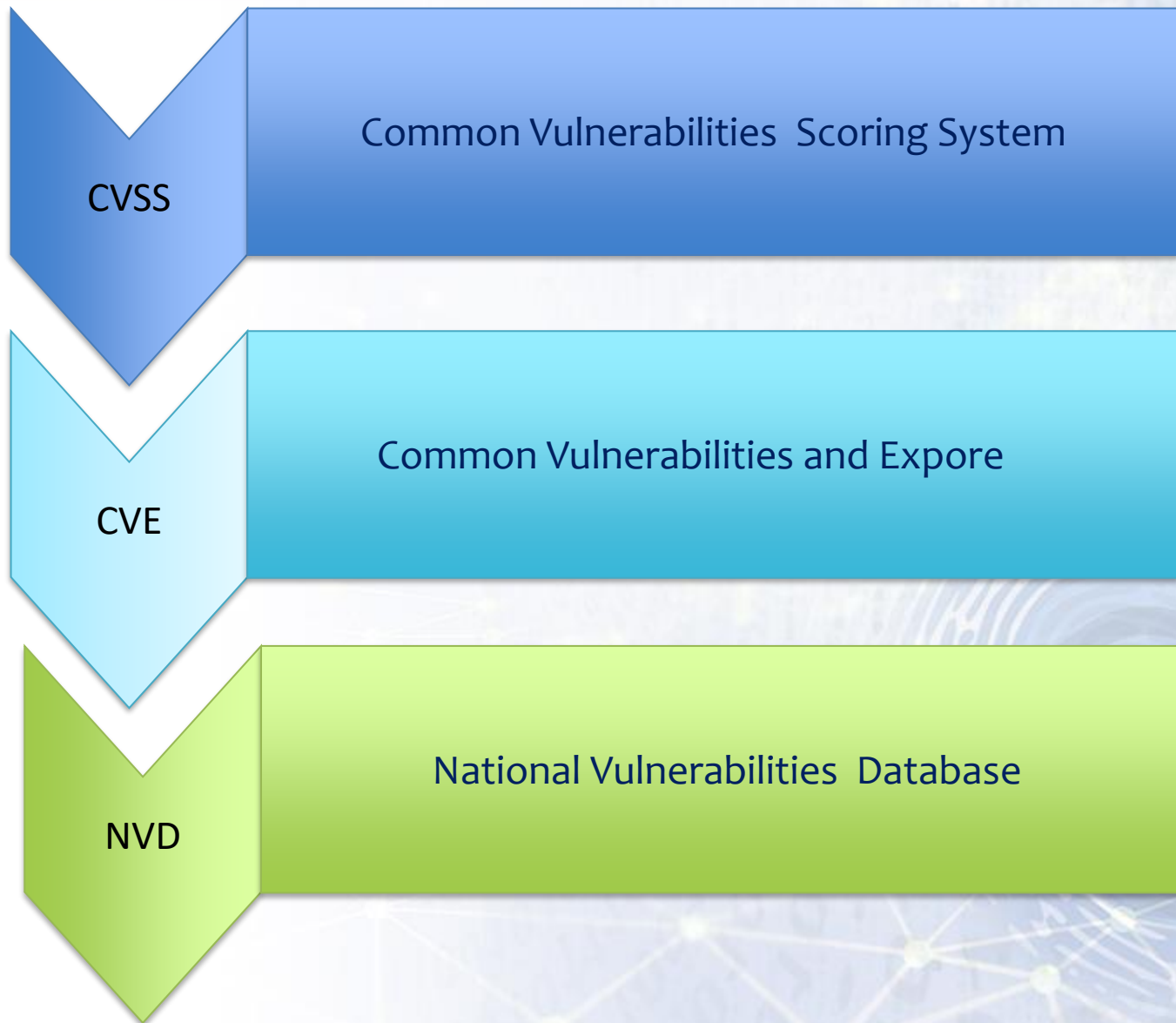
Quick Search

[Advanced Search](#)

ADVISORY	IMPACT	CVE	LAST UPDATED	VERSION
Search Advisory Name	<i>All</i> ▼	Search CVE	<i>Most Recent</i> ▼	
▶ Cisco Application Policy Infrastructure Controller and Cisco Cloud Network Controller Cross-Site Request Forgery Vulnerability	● High	CVE-2023-20011	2023 Mar 29	1.2
▶ Cisco Secure Network Analytics Remote Code Execution Vulnerability	● Medium	CVE-2022-20797	2023 Mar 28	2.0
▶ Cisco SD-WAN vManage Software Cluster Mode Cross-Site Request Forgery Vulnerability	● Medium	CVE-2023-20113	2023 Mar 27	1.1
▶ Framing Frames: Bypassing Wi-Fi Encryption by Manipulating Transmit Queues Affecting Multiple Cisco Products	● Informational		2023 Mar 27	1.0
▶ Cisco IOS XE Software Privilege Escalation Vulnerability	● Medium	CVE-2023-20029	2023 Mar 24	1.1

<https://sec.cloudapps.cisco.com/security/center/publicationListing.x>

Common Vulnerabilities and Exposures



Common Vulnerabilities and Scoring System

- Industry standard that rates the severity of vulnerabilities
- Used in Common Vulnerabilities and Exposures (CVE) listings to aid in prioritizing vulnerabilities
- Based on a set of metrics that determines the overall score

Common Vulnerabilities and Scoring System

TABLE F-2: ASSESSMENT SCALE – VULNERABILITY SEVERITY

Qualitative Values	Semi-Quantitative Values		Description
Very High	96-100	10	The vulnerability is exposed and exploitable, and its exploitation could result in severe impacts. Relevant security control or other remediation is not implemented and not planned; or no security measure can be identified to remediate the vulnerability.
High	80-95	8	The vulnerability is of high concern, based on the exposure of the vulnerability and ease of exploitation and/or on the severity of impacts that could result from its exploitation. Relevant security control or other remediation is planned but not implemented; compensating controls are in place and at least minimally effective.
Moderate	21-79	5	The vulnerability is of moderate concern, based on the exposure of the vulnerability and ease of exploitation and/or on the severity of impacts that could result from its exploitation. Relevant security control or other remediation is partially implemented and somewhat effective.
Low	5-20	2	The vulnerability is of minor concern, but effectiveness of remediation could be improved. Relevant security control or other remediation is fully implemented and somewhat effective.
Very Low	0-4	0	The vulnerability is not of concern. Relevant security control or other remediation is fully implemented, assessed, and effective.

CVSS severity factors

- **Attack vector:** the attacker needs to be **authenticated** or whether the attack can be launched **remotely**.
- **Attack complexity:** the attack requires **special knowledge** or **tools**
- **Privileges required:** an attacker would need **administrative access** or **user-level access**.
- **Impact on confidentiality, integrity, and availability:** **potential impact** of the vulnerability on the **confidentiality, integrity, and availability** of systems and data.
- CVSS uses a scoring system ranging from **0 to 10**, with higher scores indicating more severe vulnerabilities.

CVSS Score Qualitative Rating:

Score	Rating
0.0	None
0.1 – 3.9	Low
4.0 – 6.9	Medium
7.0 – 8.9	High
9.0 – 10.0	Critical

<https://www.first.org/cvss/v3.1/examples>

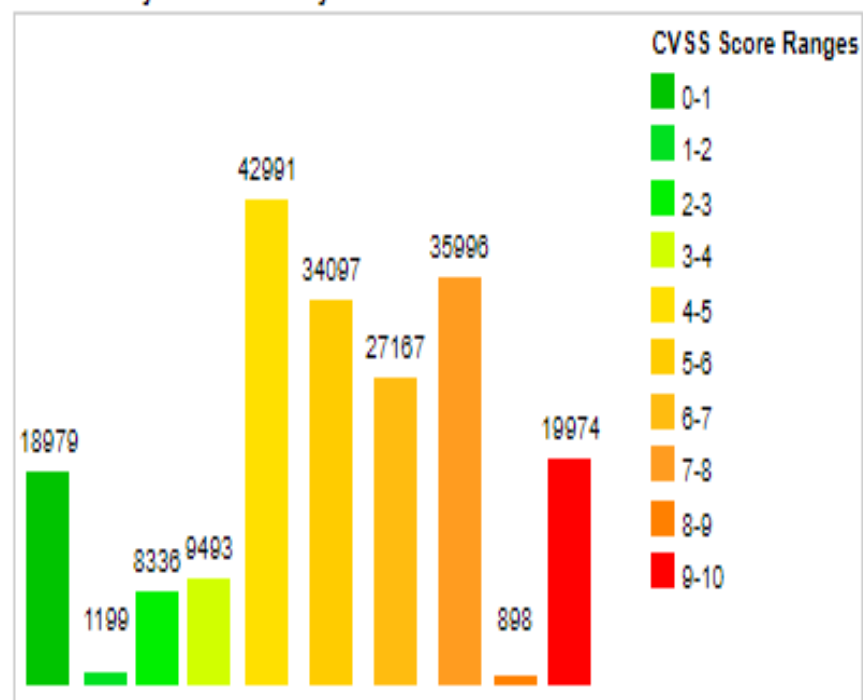
<https://nvd.nist.gov/vuln-metrics/cvss>

Current CVSS Score Distribution For All Vulnerabilities

Distribution of all vulnerabilities by CVSS Scores

CVSS Score	Number Of Vulnerabilities	Percentage
0-1	18979	9.50
1-2	1199	0.60
2-3	8336	4.20
3-4	9493	4.80
4-5	42991	21.60
5-6	34097	17.10
6-7	27167	13.60
7-8	35996	18.10
8-9	898	0.50
9-10	19974	10.00
Total	199130	

Vulnerability Distribution By CVSS Scores



Common Vulnerabilities and Scoring System

Impact Metrics:

- What impact will this have if the threat is able to exploit the vulnerability?
- Will it be a violation of confidentiality, integrity, or availability

Common Vulnerabilities and Scoring System

Temporal Metrics:

- The Current state of the exploit

Common Vulnerabilities and Scoring System

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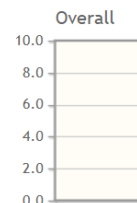
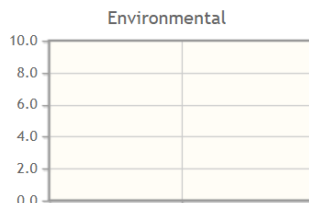
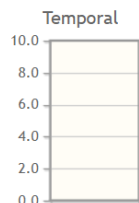
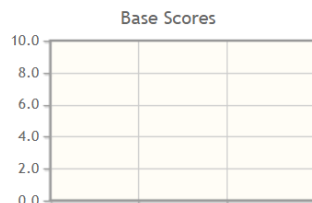
VULNERABILITY METRICS

CVSS Version 3.0

CVSS Version 3.1

Common Vulnerability Scoring System Calculator

This page shows the components of the CVSS score for example and allows you to refine the CVSS base score. Please read the CVSS standards guide to fully understand how to score CVSS vulnerabilities and to interpret CVSS scores. The scores are computed in sequence such that the Base Score is used to calculate the Temporal Score and the Temporal Score is used to calculate the Environmental Score.



CVSS Base Score: NA
Impact Subscore: NA
Exploitability Subscore: NA
CVSS Temporal Score: NA
CVSS Environmental Score: NA
Modified Impact Subscore: NA
Overall CVSS Score: NA

<https://nvd.nist.gov/vuln-metrics/cvss/v3-calculator>

Common Vulnerabilities and Scoring System

Base Score Metrics

Exploitability Metrics

Attack Vector (AV)*

Network (AV:N) Adjacent Network (AV:A) Local (AV:L) Physical (AV:P)

Attack Complexity (AC)*

Low (AC:L) High (AC:H)

Privileges Required (PR)*

None (PR:N) **Low (PR:L)** High (PR:H)

User Interaction (UI)*

None (UI:N) **Required (UI:R)**

Scope (S)*

Unchanged (S:U) **Changed (S:C)**

Impact Metrics

Confidentiality Impact (C)*

None (C:N) Low (C:L) **High (C:H)**

Integrity Impact (I)*

None (I:N) Low (I:L) **High (I:H)**

Availability Impact (A)*

None (A:N) Low (A:L) High (A:H)

Common Vulnerabilities and Scoring System

* - All base metrics are required to generate a base score.

Temporal Score Metrics

Exploit Code Maturity (E)

Not Defined (E:X)	Unproven that exploit exists (E:U)	Proof of concept code (E:P)	Functional exploit exists (E:F)	High (E:H)
-------------------	------------------------------------	------------------------------------	---------------------------------	------------

Remediation Level (RL)

Not Defined (RL:X)	Official fix (RL:O)	Temporary fix (RL:T)	Workaround (RL:W)	Unavailable (RL:U)
--------------------	---------------------	----------------------	--------------------------	--------------------

Report Confidence (RC)

Not Defined (RC:X)	Unknown (RC:U)	Reasonable (RC:R)	Confirmed (RC:C)
--------------------	----------------	-------------------	-------------------------

Common Vulnerabilities and Scoring System

Environmental Score Metrics

Exploitability Metrics

Attack Vector (MAV)

Not Defined (MAV:X) Network (MAV:N) Adjacent Network (MAV:A)
Local (MAV:L) Physical (MAV:P)

Attack Complexity (MAC)

Not Defined (MAC:X) Low (MAC:L) High (MAC:H)

Privileges Required (MPR)

Not Defined (MPR:X) None (MPR:N) Low (MPR:L) High (MPR:H)

User Interaction (MUI)

Not Defined (MUI:X) None (MUI:N) Required (MUI:R)

Scope (MS)

Not Defined (MS:X) Unchanged (MS:U) Changed (MS:C)

Impact Metrics

Confidentiality Impact (MC)

Not Defined (MC:X) None (MC:N) Low (MC:L)
High (MC:H)

Integrity Impact (MI)

Not Defined (MI:X) None (MI:N) Low (MI:L)
High (MI:H)

Availability Impact (MA)

Not Defined (MA:X) None (MA:N) Low (MA:L)
High (MA:H)

Impact Subscore Modifiers

Confidentiality Requirement (CR)

Not Defined (CR:X) Low (CR:L)
Medium (CR:M) High (CR:H)

Integrity Requirement (IR)

Not Defined (IR:X) Low (IR:L) Medium (IR:M)
High (IR:H)

Availability Requirement (AR)

Not Defined (AR:X) Low (AR:L)
Medium (AR:M) High (AR:H)

Clear Form

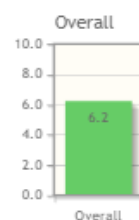
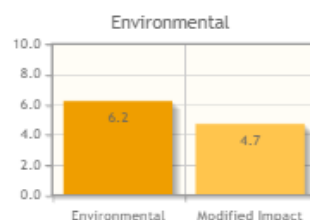
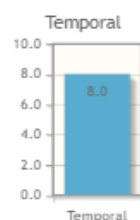
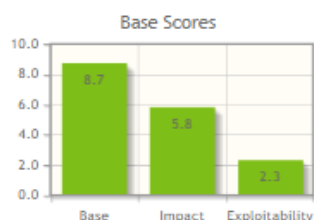
VULNERABILITY METRICS

CVSS Version 3.0

CVSS Version 3.1

 Common Vulnerability Scoring System Calculator

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CVSS Base Score: 8.7
Impact Subscore: 5.8
Exploitability Subscore: 2.3
CVSS Temporal Score: 8.0
CVSS Environmental Score: 6.2
Modified Impact Subscore: 4.7
Overall CVSS Score: 6.2

[Show Equations](#)

CVSS v3.1 Vector

AV:N/AC:L/PR:L/UI:R/S:C/C:H/I:H/A:N/E:P/RL:W/RC:X/CR:M/IR:X/AR:M/MAV:L/MAC:X/MPR:L/MUI:R/MS:X/MC:X/MI:L/MA:X

Base Score Metrics

Exploitability Metrics

Attack Vector (AV)*

☒ Network (AV:N) ☐ Adjacent Network (AV:A) ☐ Local (AV:L) ☐ Physical (AV:P)

Attack Complexity (AC)*

☒ Low (AC:L) ☐ High (AC:H)

Privileges Required (PR)*

☐ None (PR:N) ☒ Low (PR:L) ☐ High (PR:H)

User Interaction (UI)*

☐ None (UI:N) ☒ Required (UI:R)

Scope (S)*

☐ Unchanged (S:U) ☒ Changed (S:C)

Impact Metrics

Confidentiality Impact (C)*

☐ None (C:N) ☐ Low (C:L) ☒ High (C:H)

Integrity Impact (I)*

☐ None (I:N) ☐ Low (I:L) ☒ High (I:H)

Availability Impact (A)*

☒ None (A:N) ☐ Low (A:L) ☐ High (A:H)

What Is CVE & Vulnerability Database ?

Impact

CVSS Severity (version 3.0):

CVSS v3 Base Score: 9.8 Critical

Vector: CVSS:3.0/AV:N/AC:L/

(legend)

Impact Score: 5.9

Exploitability Score: 3.9

CVSS Version 3 Metrics:

Attack Vector (AV): Network

Attack Complexity (AC): Low

Privileges Required (PR): None

User Interaction (UI): None

Scope (S): Unchanged

Confidentiality (C): High

Integrity (I): High

Availability (A): High

What Is CVE & Vulnerability Database ?

CVSS Severity (version 2.0):

CVSS v2 Base Score: 7.5 HIGH

Vector: (AV:N/AC:L/Au:N/C:P/I:P/A:P) (legend)

Impact Subscore: 6.4

Exploitability Subscore: 10.0

CVSS Version 2 Metrics:

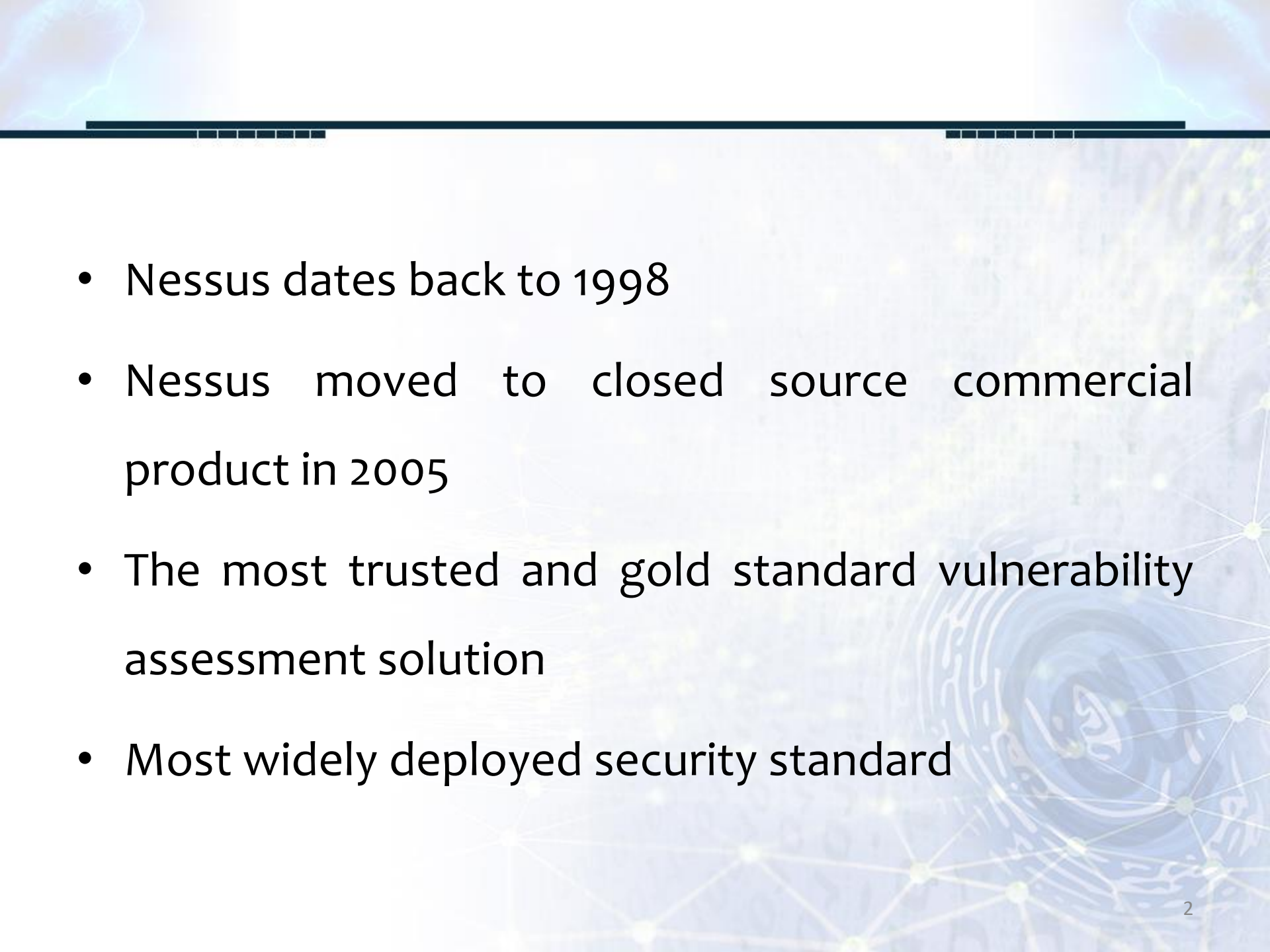
Access Vector: Network exploitable

Access Complexity: Low

Authentication: Not required to exploit

Impact Type: Allows unauthorized disclosure of information; Allows unauthorized modification; Allows disruption of service

NESUSS

- 
- Nessus dates back to 1998
 - Nessus moved to closed source commercial product in 2005
 - The most trusted and gold standard vulnerability assessment solution
 - Most widely deployed security standard

1

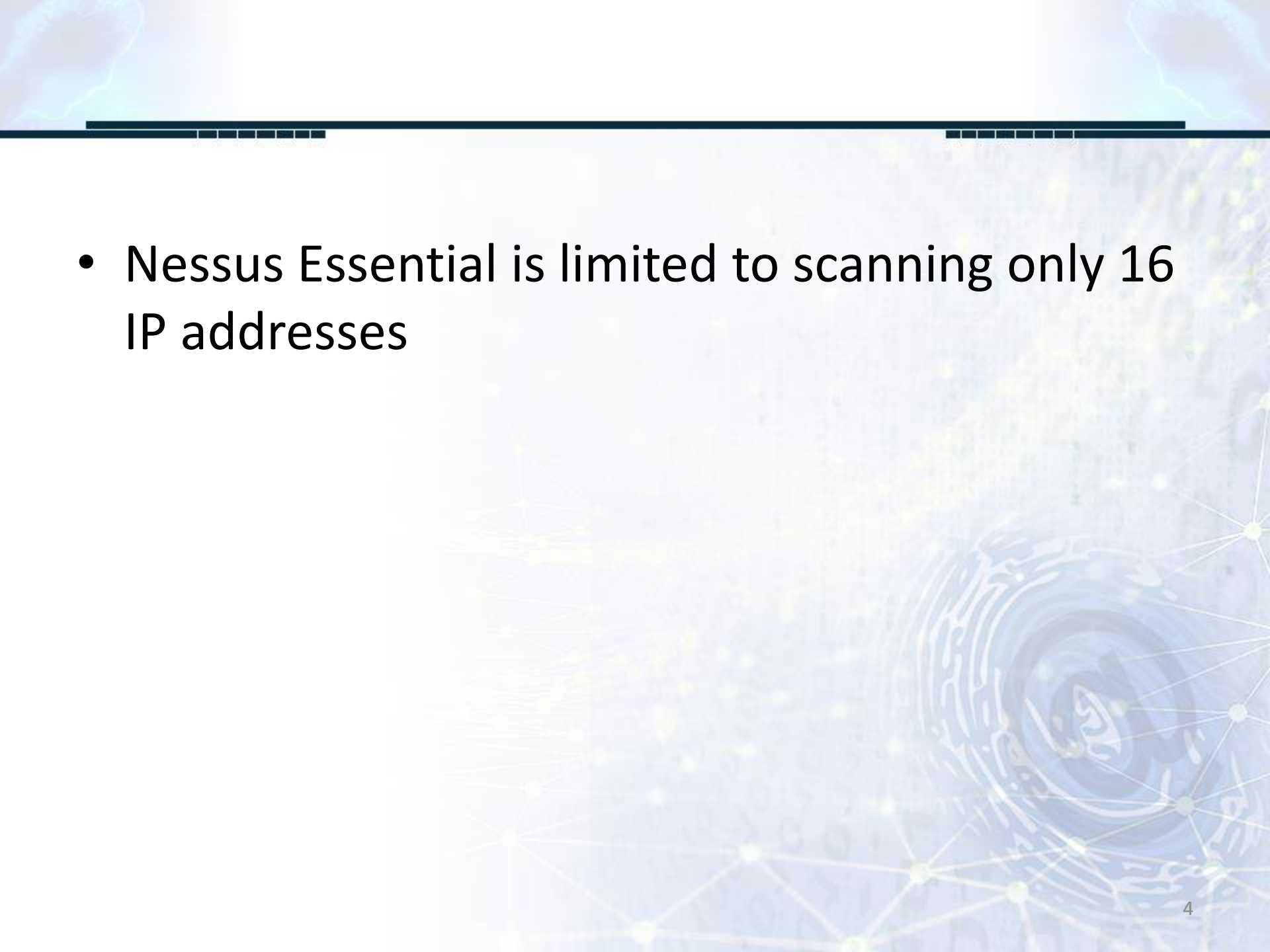
Nessus Essentials

Available for free use by the security community

2

Nessus Professional

Available for commercial use on a subscription basis

- 
- Nessus Essential is limited to scanning only 16 IP addresses

THE NESSUS FAMILY

Nessus is trusted by more than 27,000 organizations worldwide as one of the most widely deployed security technologies on the planet - and the gold standard for vulnerability assessment.



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Scan 16 IPs

- ✓ Use anywhere
- ✓ Free training and guidance
- ✓ Support via Tenable Community

Ideal for: Educators, students and individuals starting their careers in Cyber Security



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- ✓ Configuration Assessment
- ✓ Live Results
- ✓ Custom Reporting
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1

Outdated Protocols

SSL is no longer a
secure protocol!

2

Insecure Cipher Suites

Only support strong
encryption!

3

Certificate Issues

Watch for expired,
self-signed, or
invalid certificates.



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Version

Nessus - 10.5.1

Platform

Windows - x86_64

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Checksum

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Summary

Release Date: Mar 30, 2023

Release Notes:

[Nessus 10.5.1 Release Notes](#)

Signing Keys:

[RPM-GPG-KEY-Tenable-4096 \(10.4 & above\)](#)

[RPM-GPG-KEY-Tenable-2048 \(10.3 & below\)](#)

<https://www.tenable.com/downloads/nessus?loginAttempted=true>



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Navigate Nessus

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Certificates and
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Upgrade Nessus and
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Configure Nessus >

Manage Activation Code >

Nessus 10.5.x User Guide: Welcome

Nessus 10.5.x (Latest) ▾ English ▾



Welcome to Nessus 10.5.x

Last updated: March 31, 2023

If you are new to Nessus®, see [Get Started with Nessus](#).

To get started with creating a scan, see [Create a Scan](#).

- To create a compliance scan, configure [Compliance](#) settings for the scan.
- To create a host discovery scan, see [Example: Host Discovery](#).

Nessus Solutions

<https://docs.tenable.com/nessus/Content/GettingStarted.htm>

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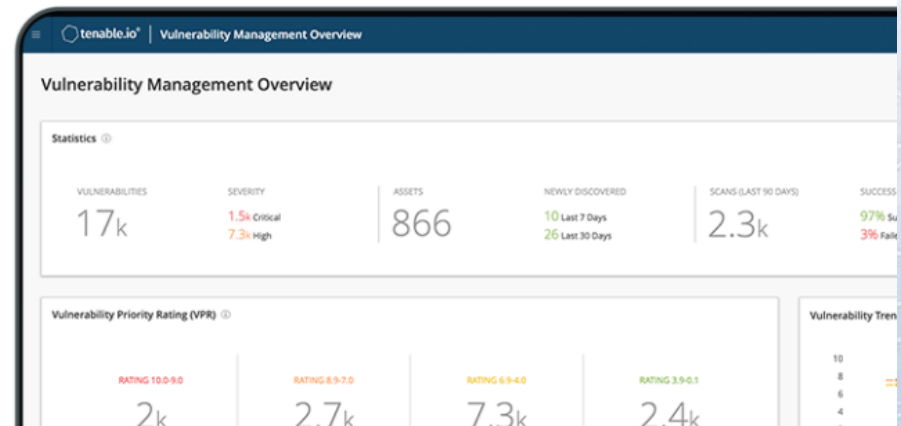
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Welcome To Nessus Essentials

Welcome to Nessus Essentials and congratulations on taking action to secure your network! We offer the latest plugins for vulnerability scanning today, helping you identify more vulnerabilities and keep your network protected.

If you're looking for more advanced capabilities, such as live results and configuration checks – as well as the ability to scan unlimited IPs, check out Nessus Professional. To learn more view the [Nessus Professional datasheet](#).

Activating Your Nessus Essentials License

Your activation code for Nessus Essentials is:

Q01U-21D-MZ1M-PKRC-48TF

Download Nessus

This is a one-time code. If you uninstall and then reinstall you will need to register the scanner again and receive another activation code.

After initial installation of Nessus you will be prompted to set up and activate your scanner. For further details on activating your subscription review the [installation guide](#).

No internet access on your Nessus system?

If your Nessus installation cannot reach the internet directly, please follow the [offline registration instructions](#).



- Nessus
- Nessus Agents
- Nessus Network Monitor
- Tenable.sc
- Integrations
- Sensor Proxy
- Log Correlation Engine
- Tenable Core
- Tenable.ot
- Tenable.ad
- Web Application Scanning
- Frictionless
- Tenable.cs
- Compliance & Audit Files

Downloads / Nessus

Nessus

1 Download and Install Nessus

Choose Download

Version

Nessus - 10.5.1 ▾

Platform

Windows - x86_64 ▾



Download

[Checksum](#)

[Download by curl >](#)

[Docker >](#)

[Virtual Machines >](#)

2 Start and Setup Nessus

Open Nessus and follow setup wizard to finish setting up Nessus

3 Getting Started

Check out our [documentation](#) for Nessus

Summary

Release Date: Mar 30, 2023

Release Notes:

[Nessus 10.5.1 Release Notes](#)

Signing Keys:

RPM-GPG-KEY-Tenable-4096 (10.4 & above)

RPM-GPG-KEY-Tenable-2048 (10.3 & below)

License Agreement

IMPORTANT

THIS AGREEMENT IS INTENDED TO BE LEGALLY BINDING. BY CLICKING THE "AGREE" OR "ACCEPT" BUTTON BELOW AND/OR CONTINUING TO DOWNLOAD, INSTALL OR USE TENABLE SOFTWARE AND OR SERVICES (OR AUTHORIZING/ALLOWING A THIRD PARTY TO DO SO ON YOUR BEHALF), YOU INDICATE:

- (1) YOUR ACCEPTANCE OF THIS AGREEMENT;
- (2) YOU ACKNOWLEDGE THAT YOU HAVE READ ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT, UNDERSTAND THEM, AND AGREE TO BE LEGALLY BOUND BY THEM; AND
- (3) YOU ARE AUTHORIZED TO BIND CUSTOMER TO THE TERMS OF THIS AGREEMENT.

***IF YOU DO NOT WISH TO ACCEPT THE TERMS OF THIS AGREEMENT OR ARE NOT AUTHORIZED TO DO SO PLEASE CLICK THE "REJECT" OR "DECLINE" OR OTHER SIMILAR BUTTON AND DO NOT PROCEED TO DOWNLOAD, INSTALL OR USE THIS PRODUCT.

TENABLE MASTER AGREEMENT

This Master Agreement (this "Agreement") is made by and between Tenable (as defined below) and the customer identified on the Signature and Cover Page ("Customer"). This Agreement is made effective as of the date of the final signature on the Signature and Cover Page (the "Effective Date"). Hereinafter, each of Tenable and Customer may be referred to collectively as the "Parties" or individually as a "Party".

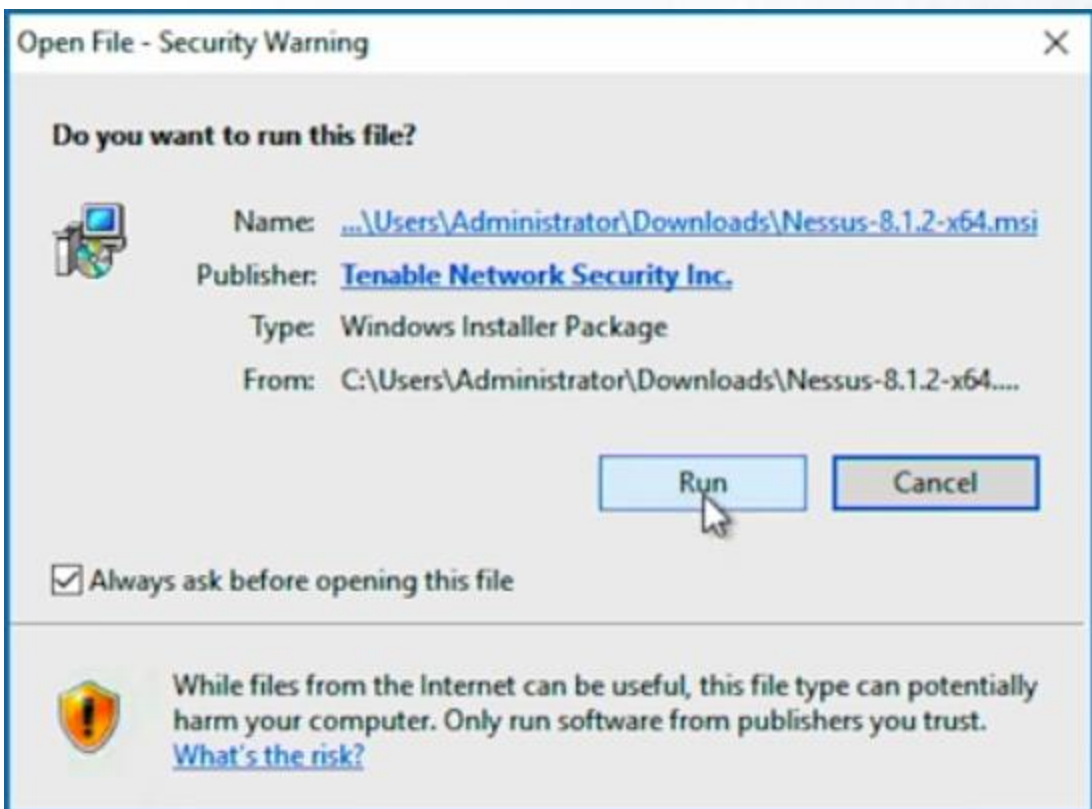
1. Definitions.

- (a) "Affiliate" means any entity that controls, is controlled by, or is under common control with a Party.

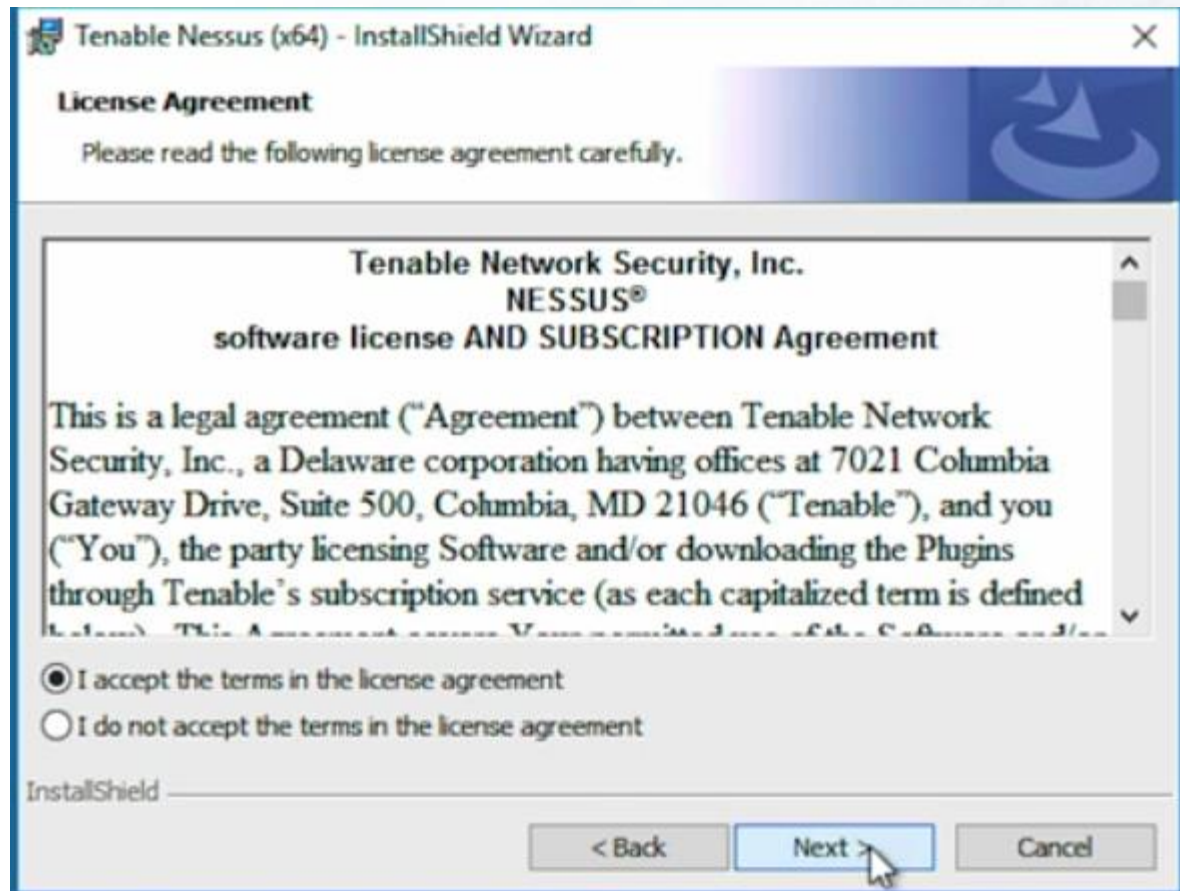
"Control" shall mean: (1) ownership (either directly or indirectly) of greater than fifty percent (50%) of the

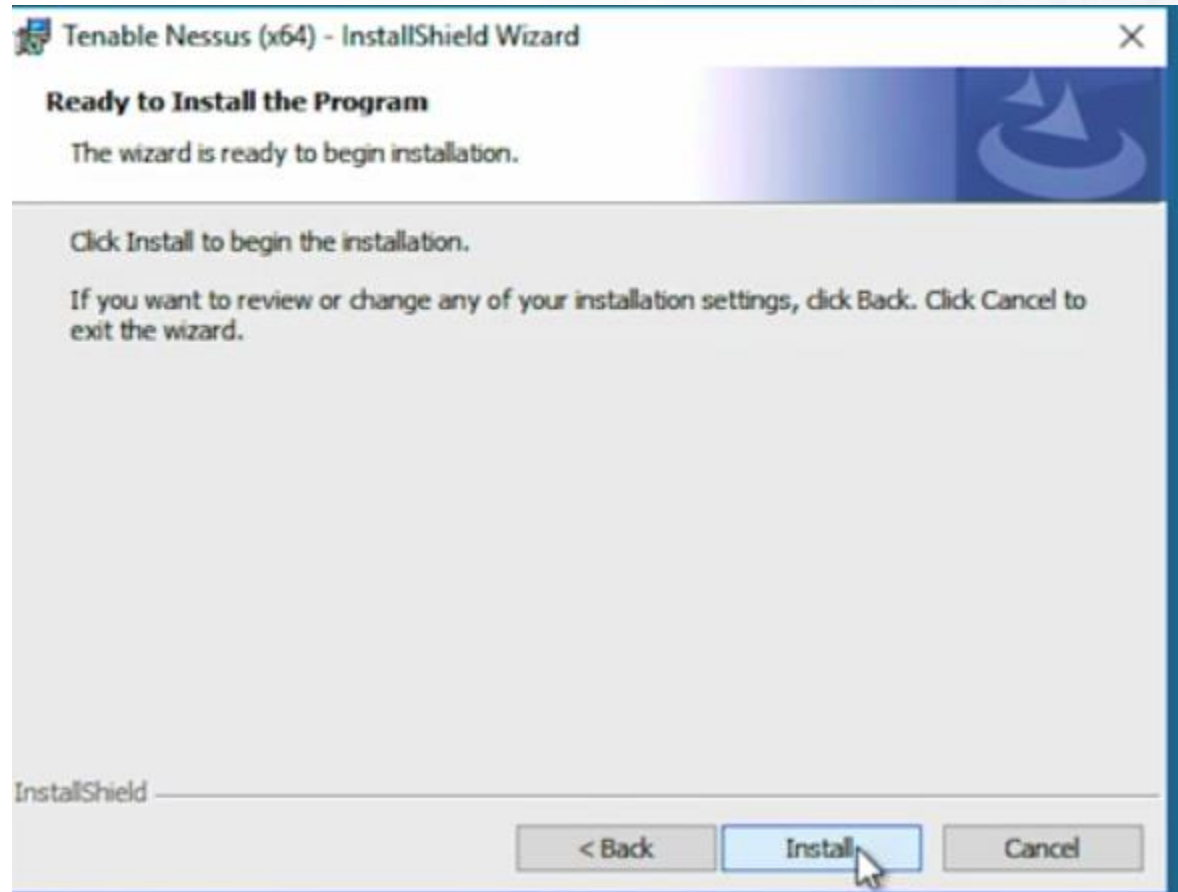
I Agree

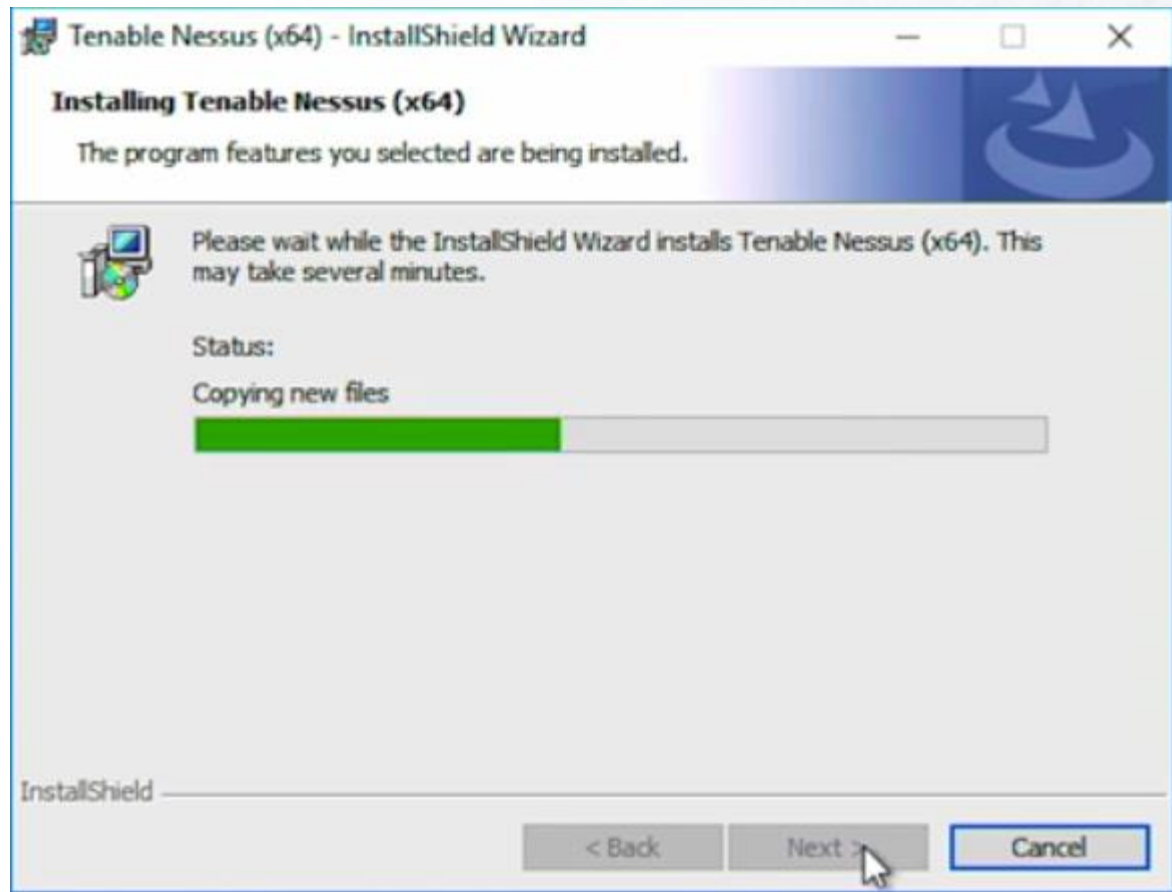
Cancel

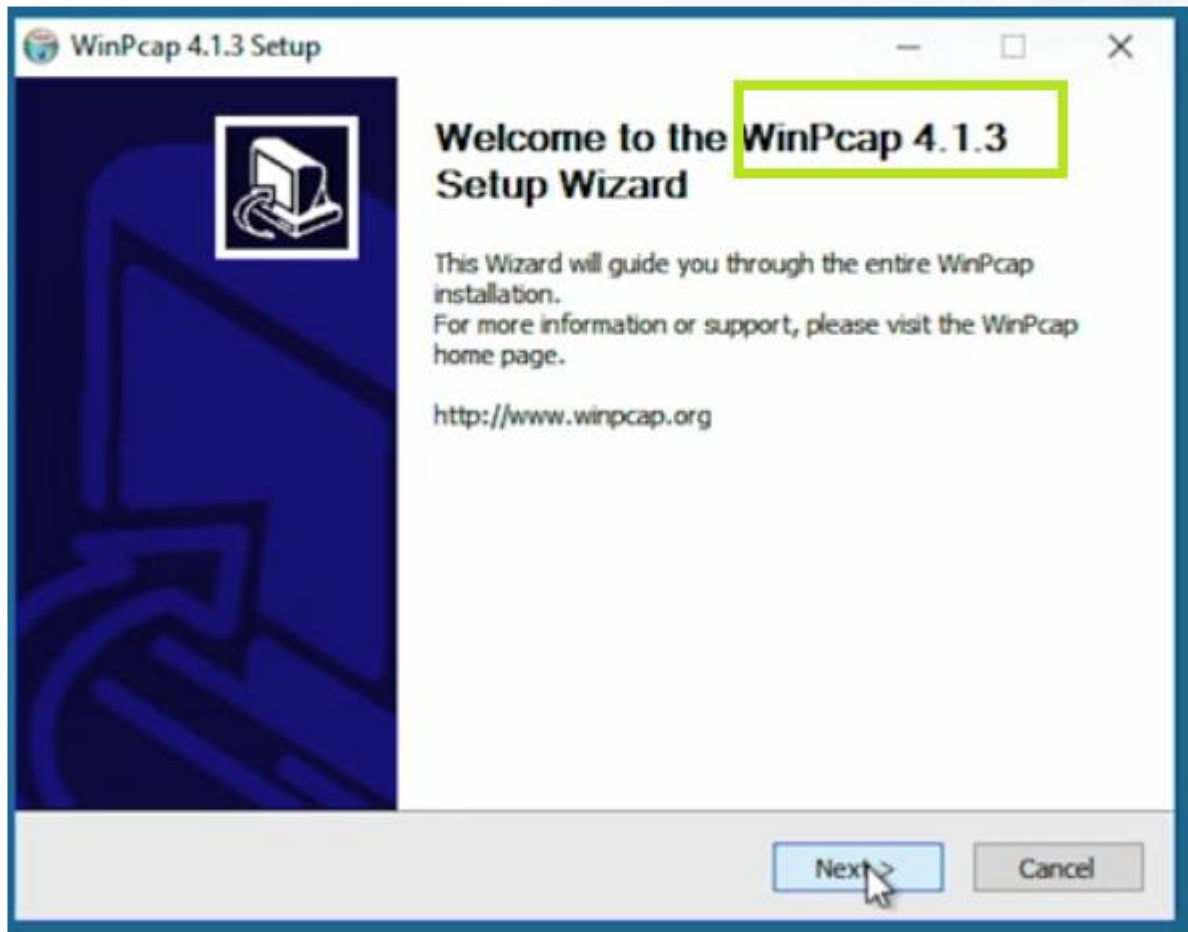


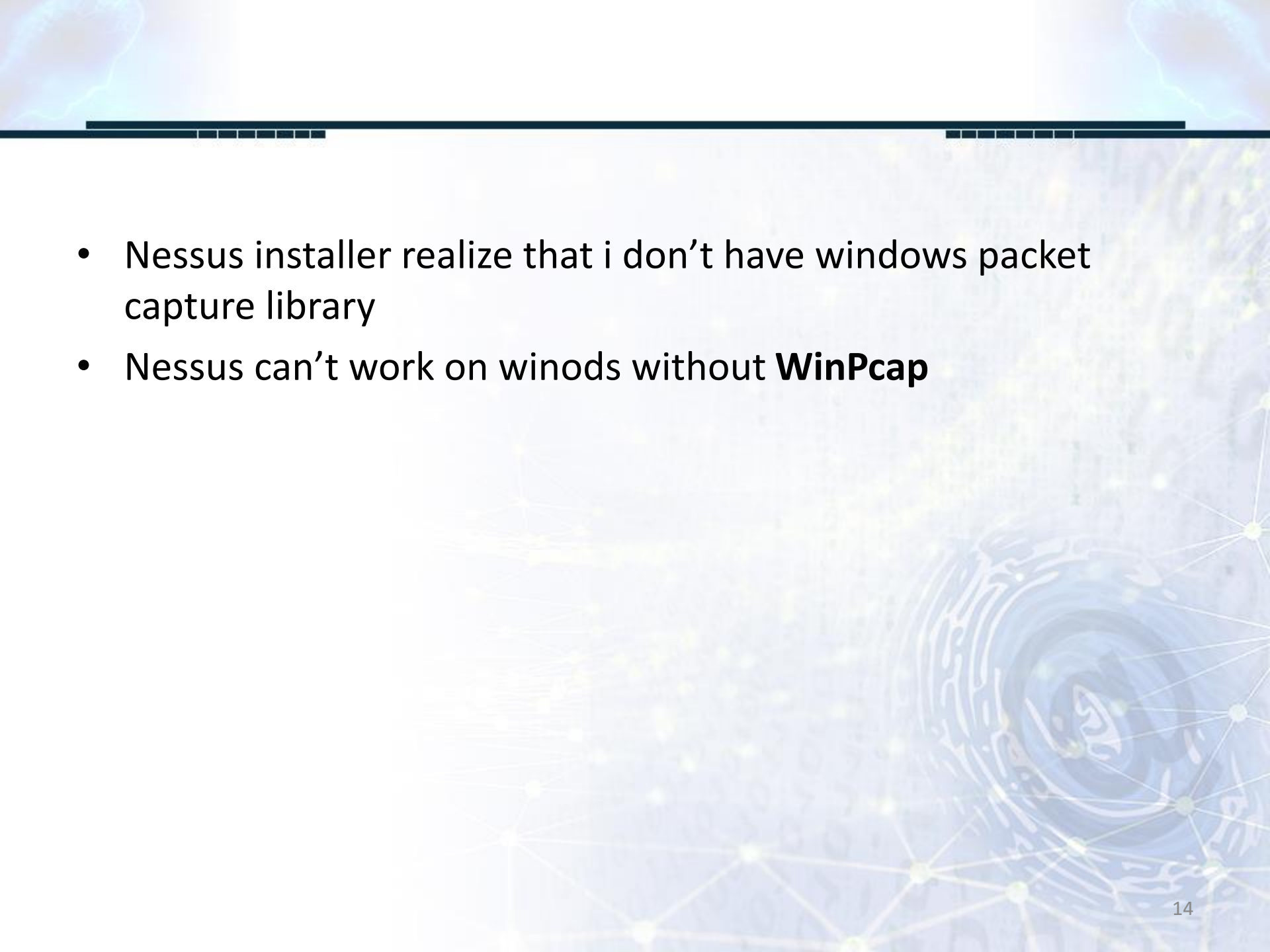




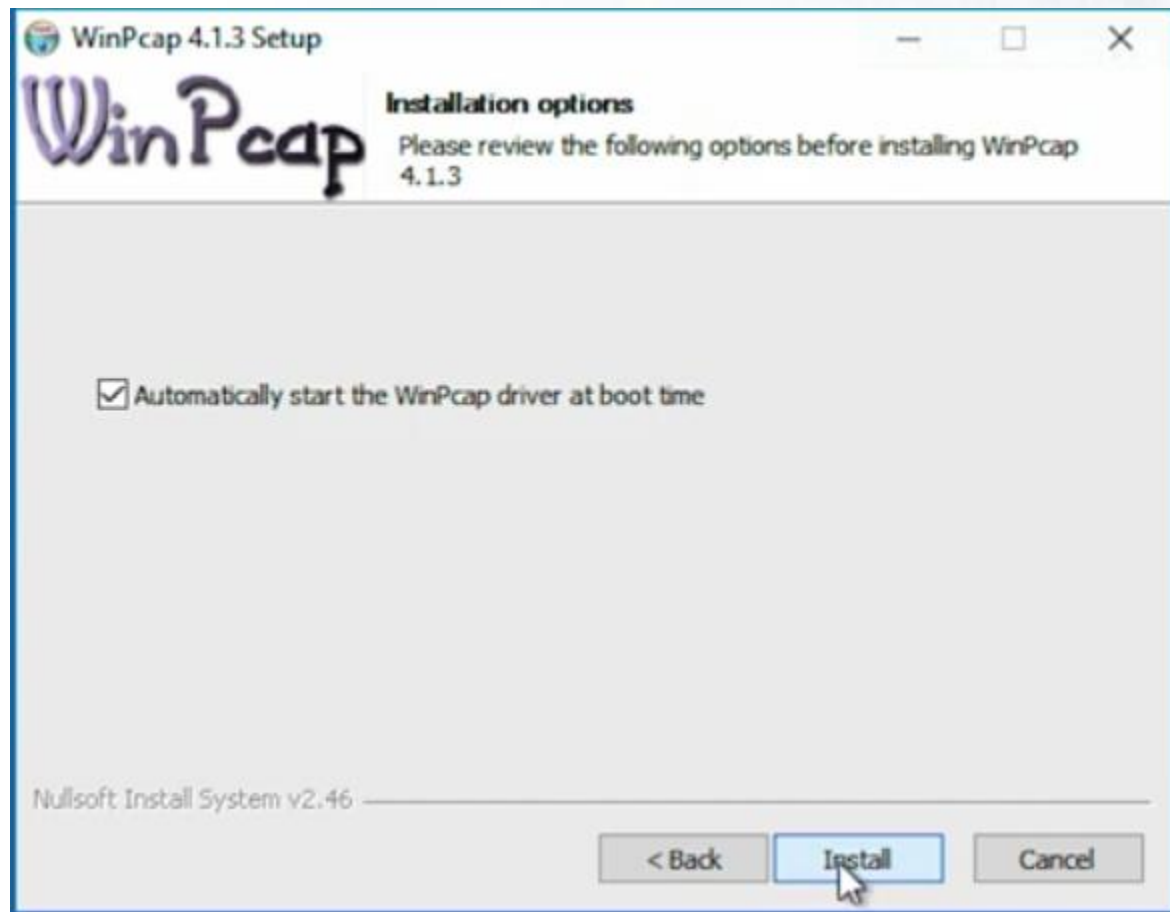


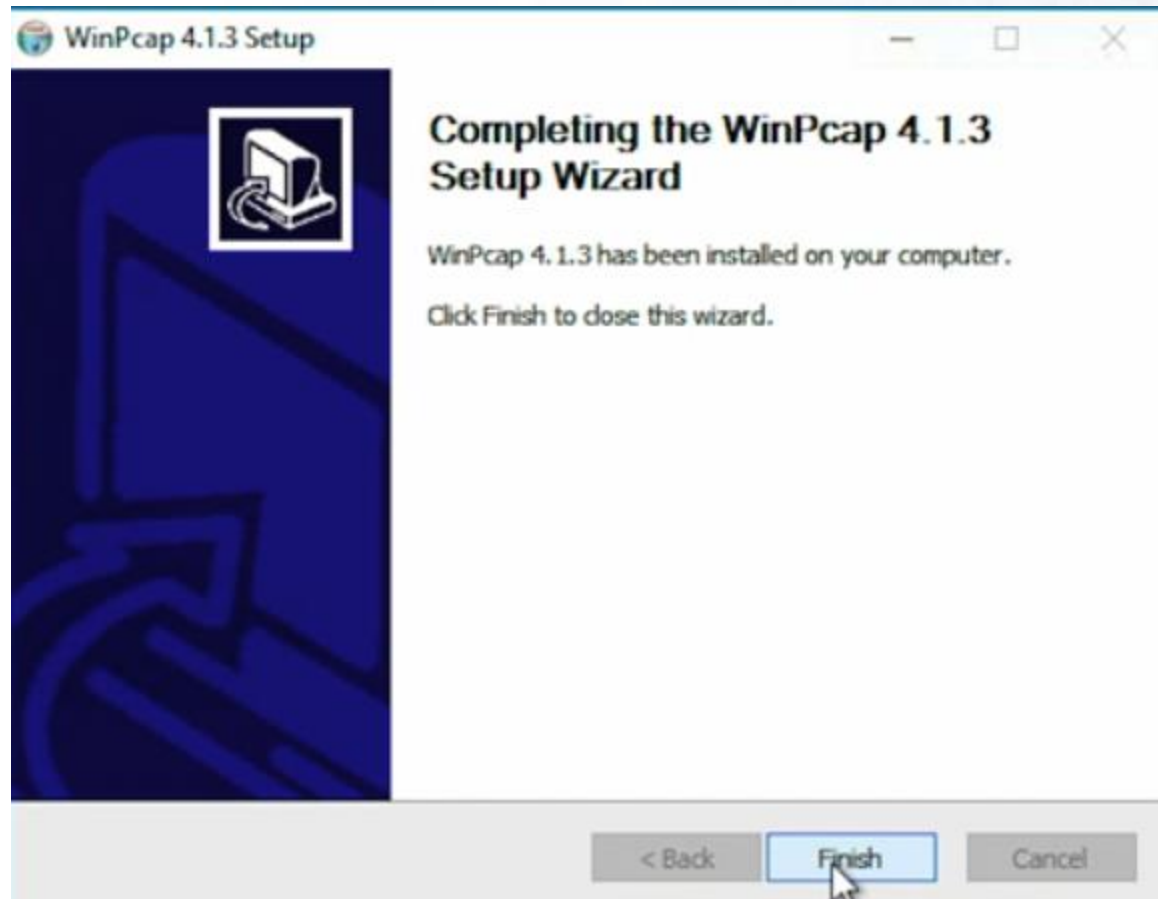


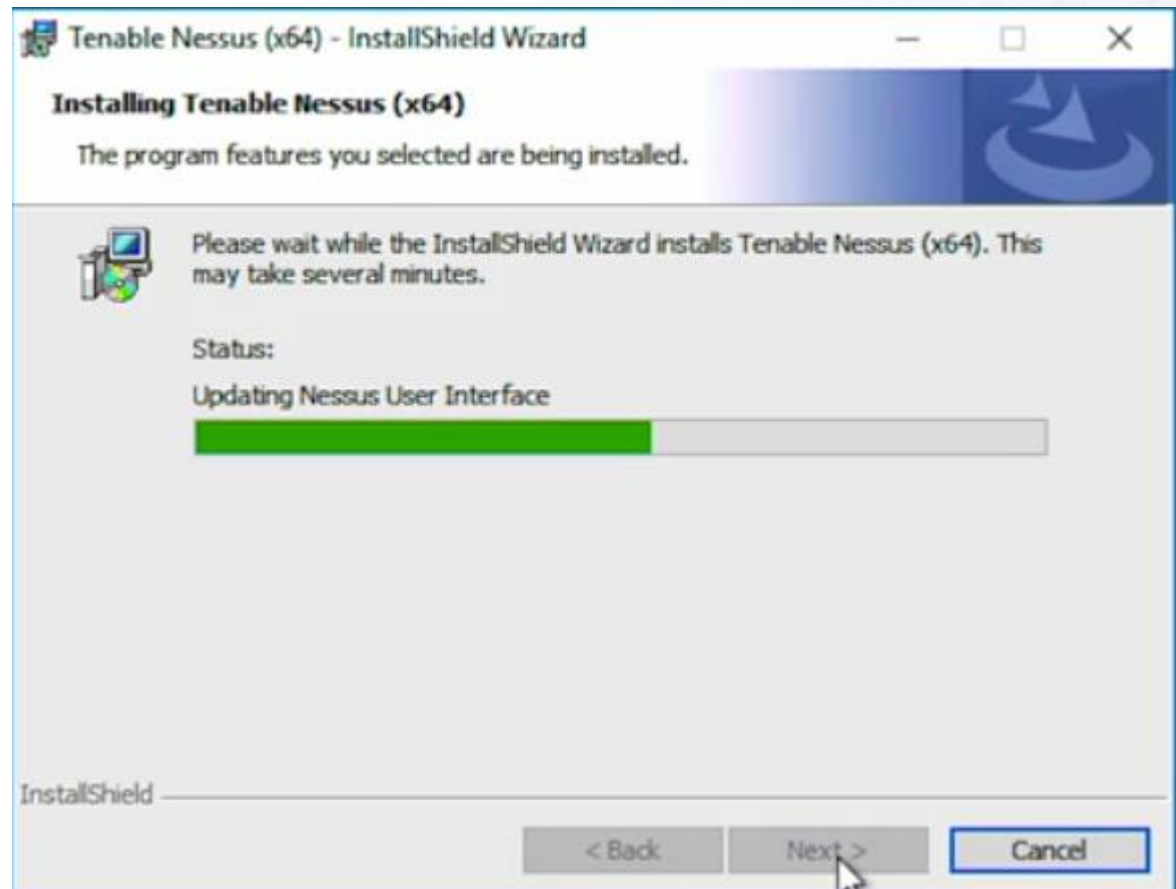


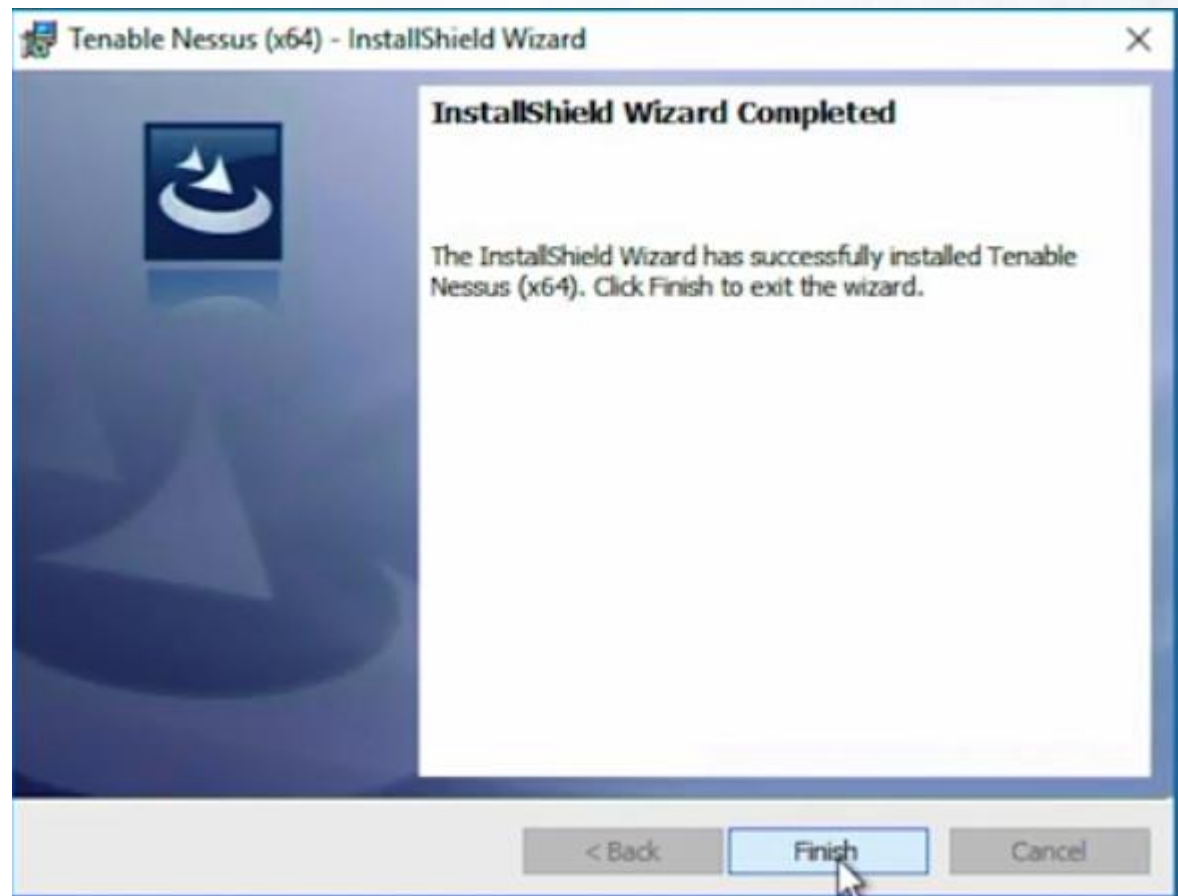
- 
- Nessus installer realize that i don't have windows packet capture library
 - Nessus can't work on winods without **WinPcap**







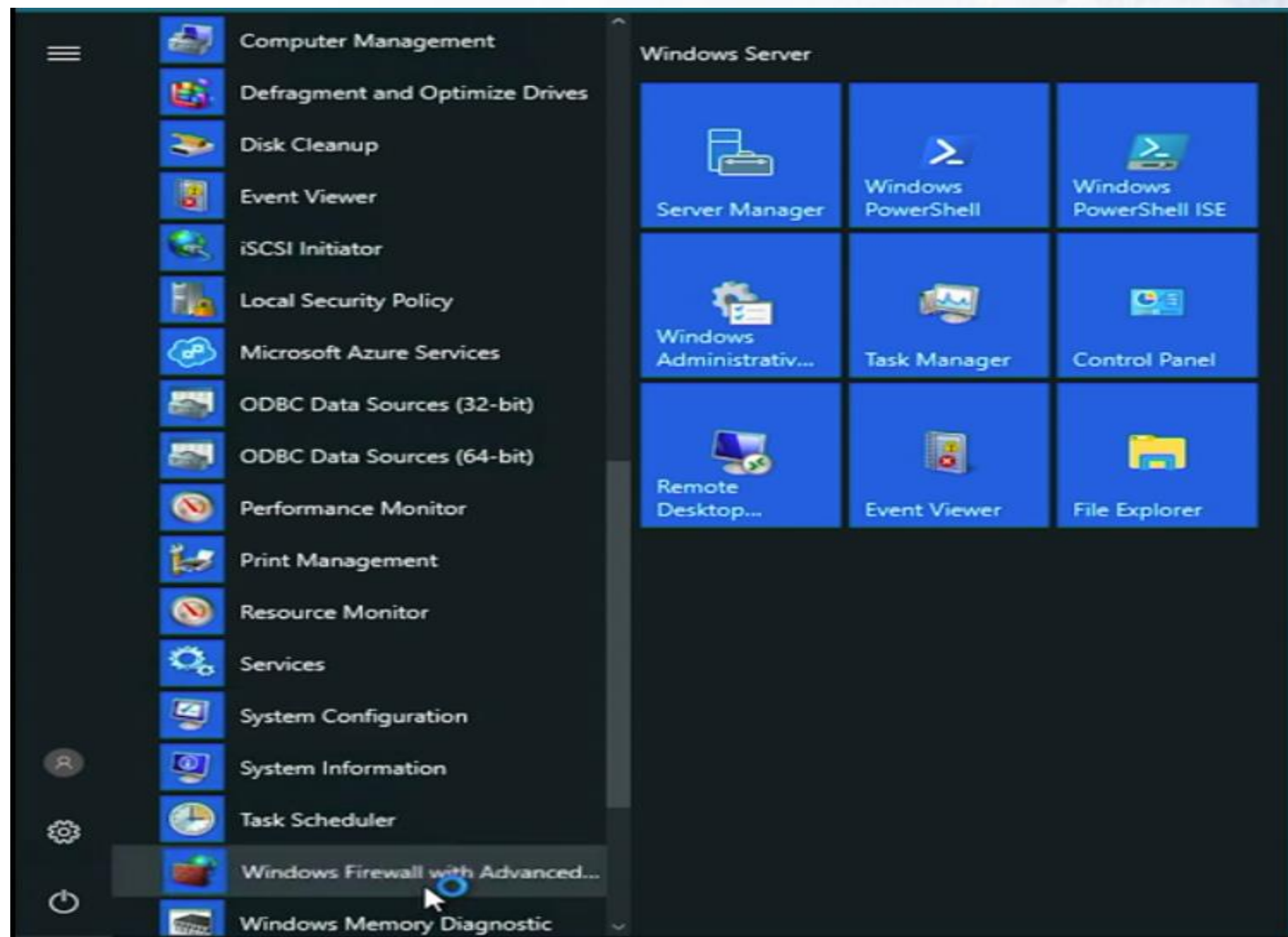






Nessus Manager use TCP port 8834





Windows Firewall with Advanced Security

File Action View Help



Windows Firewall with Advanced Security

- Inbound Rules
- Outbound Rules
- Connection Security Rules
- Monitoring

Windows Firewall with Advanced Security on Local Computer



Windows Firewall with Advanced Security provides network security for Windows computers.

Overview

Domain Profile

- Windows Firewall is on.
- Inbound connections that do not match a rule are blocked.
- Outbound connections that do not match a rule are allowed.

Private Profile

- Windows Firewall is on.
- Inbound connections that do not match a rule are blocked.
- Outbound connections that do not match a rule are allowed.

Public Profile is Active

- Windows Firewall is on.
- Inbound connections that do not match a rule are blocked.
- Outbound connections that do not match a rule are allowed.

[Windows Firewall Properties](#)

Getting Started

Authenticate communications between computers

Create connection security rules to specify how and when connections between computers are authenticated and protected by using Internet Protocol security (IPsec).

[Connection Security Rules](#)

View and create firewall rules

Create firewall rules to allow or block connections to specified programs or ports. You can also allow a connection if it is authenticated, or if it comes from an authorized user, group, or computer. By default, inbound connections are blocked unless they match a rule that allows them, and outbound connections are allowed unless they match a rule that blocks them.

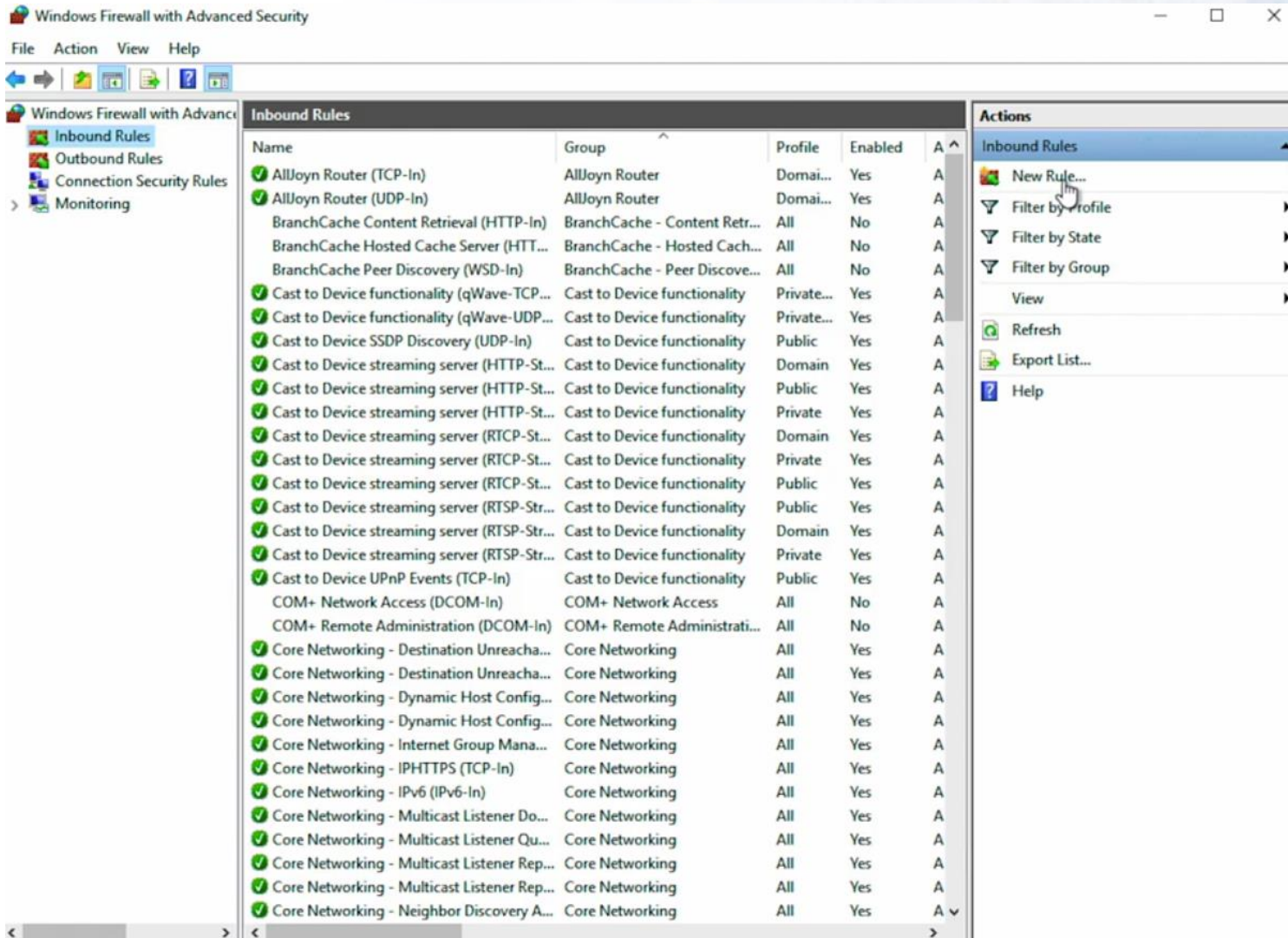
Actions

Windows Firewall with Advanced Security ...

- Import Policy...
- Export Policy...
- Restore Default Policy
- Diagnose / Repair

View

- Refresh
- Properties
- Help



Rule Type

Select the type of firewall rule to create.

Steps:

● Rule Type

● Program

● Action

● Profile

● Name

What type of rule would you like to create?

☒ **Program**

Rule that controls connections for a program.

☐ **Port**

Rule that controls connections for a TCP or UDP port.

☐ **Predefined:**

AllJoyn Router

Rule that controls connections for a Windows experience.

☐ **Custom**

Custom rule.

< Back

Next >

Cancel

Rule Type

Select the type of firewall rule to create.

Steps:

● Rule Type

● Protocol and Ports

● Action

● Profile

● Name

What type of rule would you like to create?

☐ **Program**

Rule that controls connections for a program.

☒ **Port**

Rule that controls connections for a TCP or UDP port.

☐ **Predefined:**

AllJoyn Router

Rule that controls connections for a Windows experience.

☐ **Custom**

Custom rule.

< Back

Next >

Cancel

Protocol and Ports

Specify the protocols and ports to which this rule applies.

Steps:

● Rule Type

● Protocol and Ports

● Action

● Profile

● Name

Does this rule apply to TCP or UDP?

☒ TCP

☐ UDP

Does this rule apply to all local ports or specific local ports?

☐ All local ports

☒ Specific local ports:

Example: 80, 443, 5000-5010

< Back

Next >

Cancel

Protocol and Ports

Specify the protocols and ports to which this rule applies.

Steps:

● Rule Type

● Protocol and Ports

● Action

● Profile

● Name

Does this rule apply to TCP or UDP?

☒ TCP

☐ UDP

Does this rule apply to all local ports or specific local ports?

☐ All local ports

☒ Specific local ports:

8834

Example: 80, 443, 5000-5010

< Back

Next >

Cancel

Action

Specify the action to be taken when a connection matches the conditions specified in the rule.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

What action should be taken when a connection matches the specified conditions?

☒ **Allow the connection**

This includes connections that are protected with IPsec as well as those are not.

☐ **Allow the connection if it is secure**

This includes only connections that have been authenticated by using IPsec. Connections will be secured using the settings in IPsec properties and rules in the Connection Security Rule node.

Customize...

☐ **Block the connection**

< Back

Next >

Cancel

Profile

Specify the profiles for which this rule applies.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

When does this rule apply?

☒ **Domain**

Applies when a computer is connected to its corporate domain.

☒ **Private**

Applies when a computer is connected to a private network location, such as a home or work place.

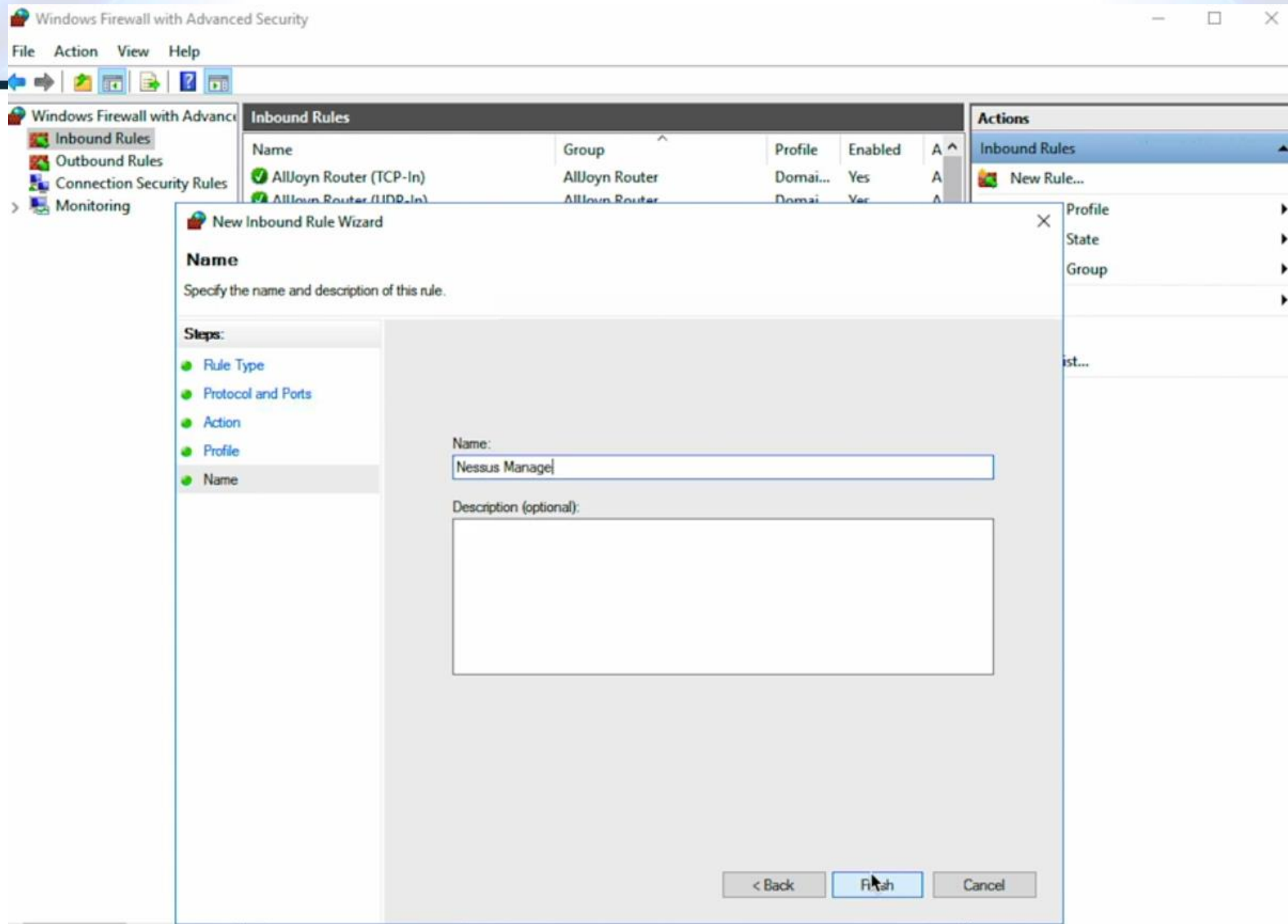
☒ **Public**

Applies when a computer is connected to a public network location.

< Back

Next >

Cancel





Windows Firewall with Advanced Security

- Inbound Rules
- Outbound Rules
- Connection Security Rules
- Monitoring

Inbound Rules

Name	Group	Profile	Enabled	A
Nessus Manager		All	Yes	A
AllJoyn Router (TCP-In)	AllJoyn Router	Domai...	Yes	A
AllJoyn Router (UDP-In)	AllJoyn Router	Domai...	Yes	A
BranchCache Content Retrieval (HTTP-In)	BranchCache - Content Retr...	All	No	A
BranchCache Hosted Cache Server (HTT...	BranchCache - Hosted Cach...	All	No	A
BranchCache Peer Discovery (WSD-In)	BranchCache - Peer Discove...	All	No	A
Cast to Device functionality (qWave-TCP...	Cast to Device functionality	Private...	Yes	A
Cast to Device functionality (qWave-UDP...	Cast to Device functionality	Private...	Yes	A
Cast to Device SSDP Discovery (UDP-In)	Cast to Device functionality	Public	Yes	A
Cast to Device streaming server (HTTP-St...	Cast to Device functionality	Domain	Yes	A
Cast to Device streaming server (HTTP-St...	Cast to Device functionality	Public	Yes	A
Cast to Device streaming server (HTTP-St...	Cast to Device functionality	Private	Yes	A
Cast to Device streaming server (RTCP-St...	Cast to Device functionality	Domain	Yes	A
Cast to Device streaming server (RTCP-St...	Cast to Device functionality	Private	Yes	A
Cast to Device streaming server (RTCP-St...	Cast to Device functionality	Public	Yes	A
Cast to Device streaming server (RTSP-Str...	Cast to Device functionality	Public	Yes	A
Cast to Device streaming server (RTSP-Str...	Cast to Device functionality	Domain	Yes	A
Cast to Device streaming server (RTSP-Str...	Cast to Device functionality	Private	Yes	A
Cast to Device UPnP Events (TCP-In)	Cast to Device functionality	Public	Yes	A
COM+ Network Access (DCOM-In)	COM+ Network Access	All	No	A
COM+ Remote Administration (DCOM-In)	COM+ Remote Administrati...	All	No	A
Core Networking - Destination Unreacha...	Core Networking	All	Yes	A
Core Networking - Destination Unreacha...	Core Networking	All	Yes	A
Core Networking - Dynamic Host Config...	Core Networking	All	Yes	A
Core Networking - Dynamic Host Config...	Core Networking	All	Yes	A
Core Networking - Internet Group Mana...	Core Networking	All	Yes	A
Core Networking - IPHTTPS (TCP-In)	Core Networking	All	Yes	A
Core Networking - IPv6 (IPv6-In)	Core Networking	All	Yes	A
Core Networking - Multicast Listener Do...	Core Networking	All	Yes	A
Core Networking - Multicast Listener Qu...	Core Networking	All	Yes	A
Core Networking - Multicast Listener Rep...	Core Networking	All	Yes	A
Core Networking - Multicast Listener Rep...	Core Networking	All	Yes	A

Actions

- Inbound Rules
- New Rule...
- Filter by Profile
- Filter by State
- Filter by Group
- View
- Refresh
- Export List...
- Help
- Nessus Manager
- Disable Rule
- Cut
- Copy
- Delete
- Properties
- Help



Accessing Nessus

1. First, ensure that the Nessus vulnerability scanner is installed on your system.
2. Once Nessus is installed, open a web browser (Chrome, Firefox, etc.) on the system you installed Nessus on.
3. In the web browser, navigate to the following URL: <https://localhost:8834/> OR <https://127.0.0.1:8834/>
4. If Nessus is running on the same system that you are accessing the web interface from, the Nessus login page should appear in your web browser.
5. Enter your Nessus username and password and click "Login" to access the Nessus web interface.

STEP 1 OF 3



Create an account

To use this scanner, an account must be created.
This account can execute commands on remote targets and should be treated as a root user.

Username *

Password *

Continue

STEP 2 OF 3



Register your scanner

Enter an activation code below to run your scanner locally or choose one of the dropdown options to run it in managed mode.

Scanner Type

Home, Professional or Manager ▼

Activation Code *

[Settings](#)

[Back](#)

[Continue](#)

STEP 2 OF 3



Register your scanner

Enter an activation code below to run your scanner locally or choose one of the dropdown options to run it in managed mode.

Scanner Type

Home, Professional or Manager ▼

Activation Code *

[Settings](#)

[Back](#)

[Continue](#)

STEP 2 OF 3



Setup Complete

Please wait while we download and initialize the latest plugins.

STEP 3 OF 3



Initializing

Please wait while Nessus prepares the files needed to scan your assets.

Downloading plugins...



Nessus Features

- Lets take a look at Nessus features

Nessus Features

- Nessus (Reports):
 - Customize reports to sort by vulnerability or host
 - Create an executive summary or compare scan results
 - Targeted email notifications of scan results

Nessus Features

- Nessus (Scan Types):
 - Asset discovery
 - Un-credentialed vulnerability discovery
 - Credentialed scanning for system hardening & missing patches

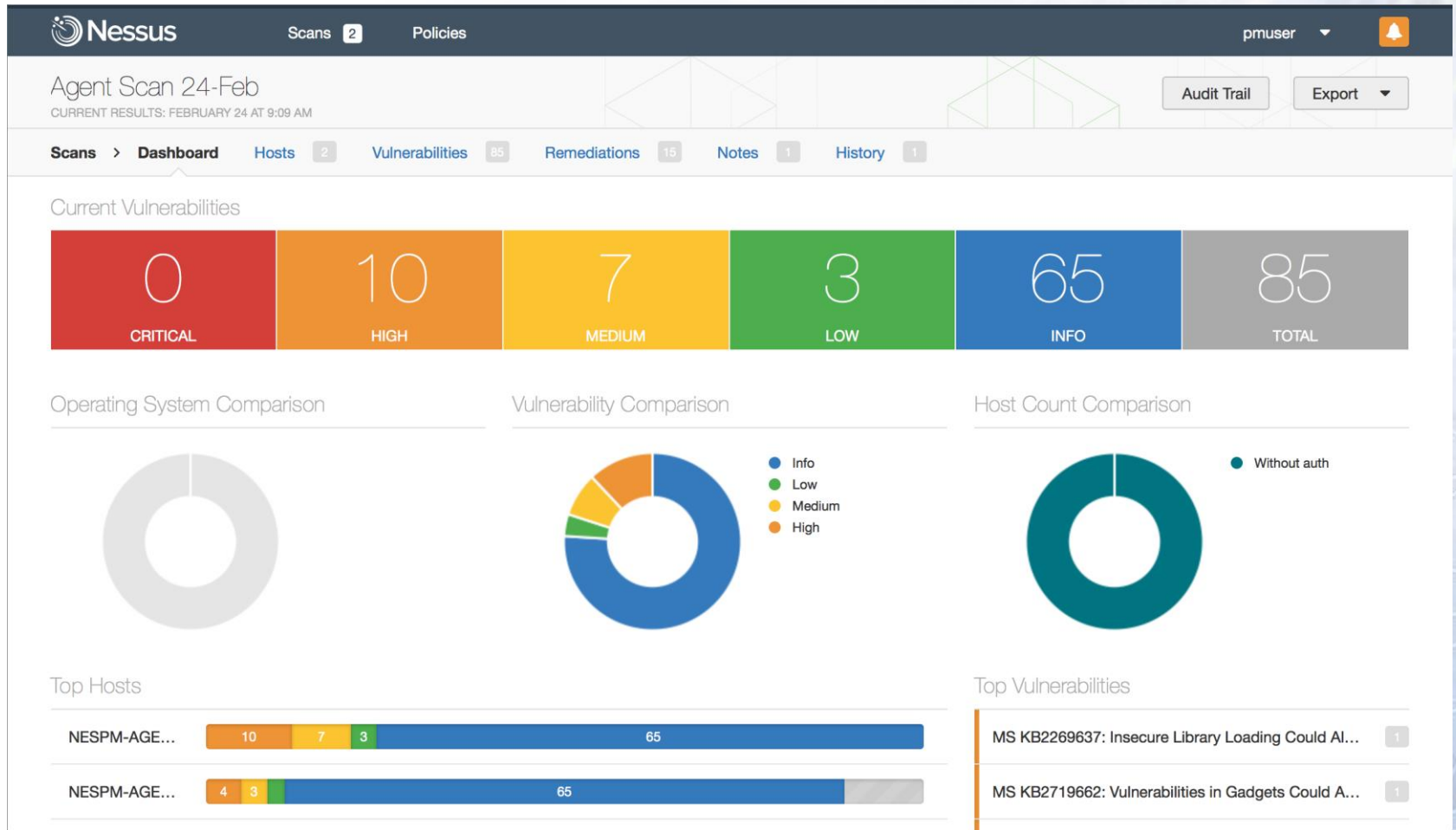
Nessus Features

- Nessus (Compliance & Config Scans):
 - Compliance auditing: FFIEC, FISMA, CyberScope, GLBA, HIPAA/HITECH, NERC, PCI, SCAP, SOX
 - Configuration auditing: CERT, CIS, COBIT/ITIL, DISA STIGs, FDCC, ISO, NIST, NSA

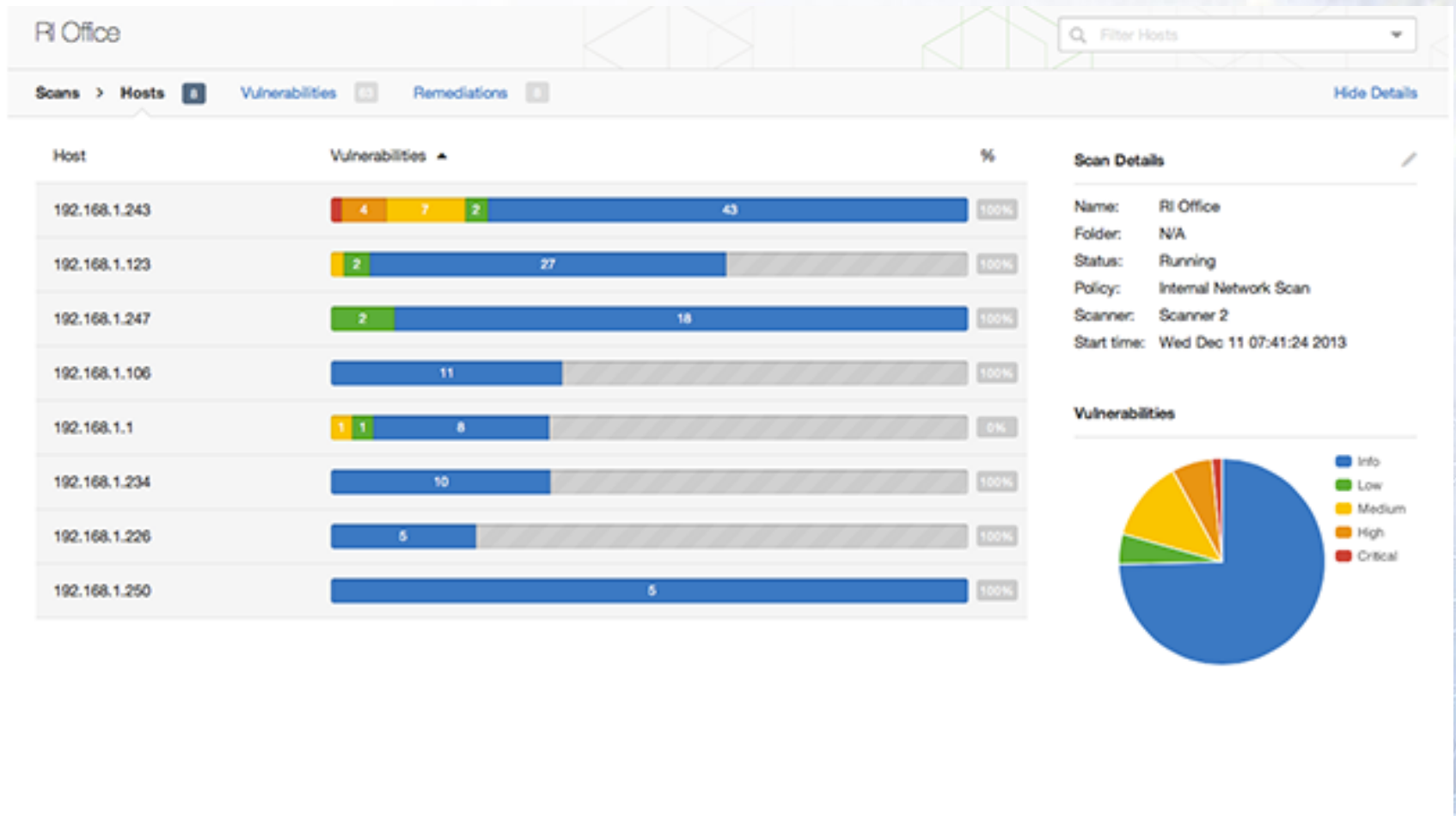
Nessus Features

- Nessus (Risk scores):
 - Vulnerability ranking based on CVE, five severity levels (Critical, High, Medium, Low, Info), customizable severity levels for recasting of risk

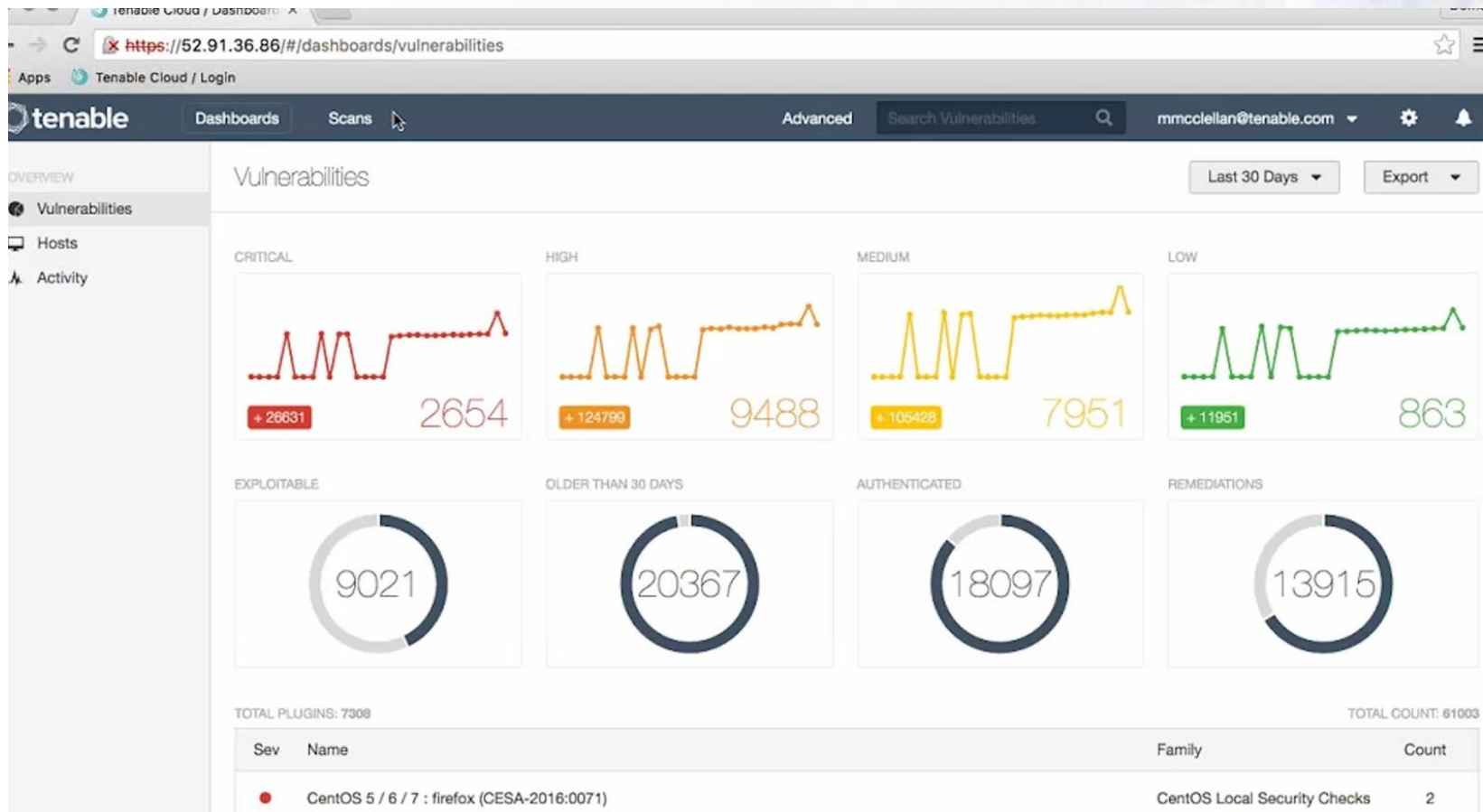
Nessus Features



Nessus Features



Nessus Features



Nessus Features

- Nessus is a cost-effective scanner that gets most of the job done for vulnerability scanning
- It has CIS and DISA compliance templates

Qualys Features



- Lets take a look at Qualys features

Qualys Features

- Qualys:
 - Cloud-based service
 - On-premise device
 - Complete suite
 - Scalable and immediate deployment

Qualys Features

- Qualys:
 - Asset discovery; find and organize hosts
 - Prioritize & manage remediation tickets
 - Continuous monitoring service
 - Policy compliance scanning
 - Qualys Secure Seal for websites