CyberCNS

Assessment Report

Prepared For

Hashinclude Computech Pvt Ltd

Scan Performed On: 05/16/2022

Executive Risk Summary

Asset Summary			
No. of Assets discovered	95	No. of Vulnerable Assets	11
Active Directory Summary			
Enabled Computers	43	Disabled Computers	2
Computers With Expired Passwords	0	Locked Out Computers	0
Computers - Never Logged In	4	Computers Not Logged in for 30 days	39
Computers - Password Never Expires	0	Computers - Password Expires	43
Computers - Password Not Required	4	Total Computers	45
Enabled Users	103	Disabled Users	28
Users With Expired Passwords	57	Locked Out Users	1
Users - Never Logged In	67	Users Not Logged in for 30 days	36
Users - Password Not Required	2	Total Users	131
Users - Password Never Expires	44	Users - Password Expires	59
Empty OUs	2	Non Empty OUs	7
Total OUs	9	Total GPOs	18
Empty Groups	112	Non Empty Groups	58
Privileged Access Groups	86	Total Groups	170

- 24 out of 95 endpoints with remote access enabled.
- 0 out of 95 endpoints missing advanced protection.
- 67 out of 131 users never logged in.
- 4 out of 51 storage devices with hard drive space utilized over 90% while 8 other storage devices with hard drive utilized over 75%
- 0 out of 95 endpoints with Antivirus not installed.

- 26 out of 131 users did not login for last 90 days.
- 0 out of 95 assets running end of life OS.
- 20 out of 51 storage devices with hard drive space utilized between 50-75%.
- 0 out of 95 endpoints with Antivirus installed but not up to date.

- 36 out of 131 users did not login for last 30 days.
- 21 out of 95 storage devices with hard drive space utilized between 25-50%.

- 10 out of 95 endpoints with basic Antivirus protection.
- 6 out of 95 endpoints with firewall protection.

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Security Assessment

Assessment report for Hashinclude Computech Pvt Ltd provides visibility into specific weaknesses and deficiencies in the security controls employed within or inherited by the information system. Such weaknesses and deficiencies are potential vulnerabilities if exploitable by a threat source. The findings generated during the security control assessment provide important information that facilitates a disciplined and structured approach to mitigating risks in accordance with organizational priorities.

Risk Dashboard

E

The Consolidated Risk Report aggregates risk analysis from multiple assessments performed on the network, providing you with both a Consolidated Risk Score and a high-level overview of the health and security of the network. The report details the scan tasks undertaken to discover security issues. In addition to the overall Consolidated Risk Score, the report also presents separate impact scores for all area of assessments.

Vulnerability Assessment

A vulnerability assessment is the process of defining, identifying, classifying and prioritizing vulnerabilities in computer systems, and network infrastructures and providing the organization doing the assessment with the necessary knowledge, awareness and risk background to understand the threats to its environment and react appropriately.

Critical

64 were unique critical severity vulnerabilities. Critical vulnerabilities require immediate attention. They are relatively easy for attackers to exploit and may provide them with full control of the affected systems

64

High

852 were unique high severity vulnerabilities. High severity vulnerabilities are easy to exploit and may provide access to affected systems.

852

Medium

411 were unique medium severity vulnerabilities. These vulnerabilities often provide information to attackers that may assist them in mounting subsequent attacks on your network. These should also be fixed in a timely manner but are not as urgent as the other vulnerabilities.

411

Low

53 were unique low severity vulnerabilities. These should also be fixed in a timely manner but are not as urgent as the other vulnerabilities.

53

Risk Detected: High Risk Score

Top 5 Vulnerabilities

Vulnerability	Asset Count	Risk
MacOS Multiple Vulnerabilities (HT212011)	51	HIGH
MacOS Multiple Vulnerabilities (HT212147)	47	HIGH
MacOS Multiple Vulnerabilities (HT212530)	34	HIGH
MacOS Multiple Vulnerabilities (HT212981)	34	HIGH
MacOS Multiple Vulnerabilities (HT212871)	29	HIGH

Critical

Apply patches within 30 days of release

High

Apply patches within 30 - 60 days

Medium

Apply patches within 60 - 90 days

Low

Apply patches within 180 days

Endpoint Assessment

In today's time end-users have become a prime target for cyber criminals. But the real tangible target is the end-user's workstation, and organizations would be remiss not to regularly validate the security of their endpoints. To close the gap, we have developed an endpoint assessment methodology that accounts for each area of the attack. The identification of vulnerabilities and gaps in security controls that may have gone unnoticed will assist you in tuning detection or protective controls to handle user activities. Associated remediation efforts will enhance incident response capabilities and further strengthen your overall security posture.

Security Report Card

Anti Virus
0 assets with AntiVirus Not installed.

Local Firewall
4 assets with Local Firewall Disabled.

Supported OS
0 assets with Some OS not supported

Insecure Listening Ports
1 assets with More than one insecure listening port

Network Vulnerabilities
1 assets with CVSS greater than or equal to 9.0.

System Aging
0 Computers over 8 years old.

Failed Logins
0 or more failed logins in the last 7 days

Compliance Report Card

LLMNR
9 Assets with LLMNR Enabled.

NTLMV1
0 Assets with NTLMV1 Enabled.

NBTNS
8 Assets with NBTNS Enabled.

SMBV1 Server
9 Assets with SMBV1 Server Enabled.

SMBV1 Client
10 Assets with SMBV1 Client Enabled.

SMB Signing
9 Assets with SMB Signing Disabled.

Compliance Assessment

CIS

The Center for Internet Security (CIS) benchmarks are a set of best-practice cybersecurity standards for a range of IT systems and products. CIS Benchmarks provide the baseline configurations to ensure compliance with industry-agreed cybersecurity standards.

0	Compliant Assets
11	Non Compliant Assets
84	Not Applicable

PCI DSS

The Payment Card Industry Data Security Standard (PCI DSS) is a security standard used to ensure the safe and secure transfer of credit card data.The regulations include security management provisions that cover policies, network architecture, software design and other critical safety measures.

0	Compliant Assets
10	Non Compliant Assets
85	Not Applicable

GDPR IV

General Data Protection Legislation(GDPR) is the legislative force established to protect the fundamental rights of data subjects whose personal information and sensitive data is stored in organisations.

0	Compliant Assets
9	Non Compliant Assets
86	Not Applicable

GPG 13

The Good Practice Guide 13 (GPG 13) is a protective monitoring framework. It provides a framework for treating risks to systems, collecting log information and configuring logs to provide an audit trail of security relevant events of interest.

0	Compliant Assets
9	Non Compliant Assets
86	Not Applicable

NIST 800 53

National Institute of Standards and Technology (NIST) NIST SP 800-53 provides a list of controls that support the development of secure and resilient federal information systems. These controls are the operational, technical, and management standards and guidelines used by information systems to maintain confidentiality, integrity, and availability. The guidelines adopt a multi-tiered approach to risk management through control compliance.

0	Compliant Assets
10	Non Compliant Assets
85	Not Applicable

HIPAA

The Health Insurance Portability and Accountability Act of 1996 (HIPAA) is a federal law that required the creation of national standards to protect sensitive patient health information from being disclosed without the patient's consent or knowledge. The US Department of Health and Human Services (HHS) issued the HIPAA Privacy Rule to implement the requirements of HIPAA. The HIPAA Security Rule protects a subset of information covered by the Privacy Rule.

0 Compliant Assets
10 Non Compliant Assets
85 Not Applicable

ISO 27002

International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) ISO/IEC 27002:gives guidelines for organizational information security standards and information security management practices including the selection, implementation and management of controls taking into consideration the organization's information security risk environment(s).

0 Compliant Assets
10 Non Compliant Assets
85 Not Applicable

CIS 8 0

CIS Controls v8 has been enhanced to keep up with modern systems and software. Movement to cloud-based computing, virtualization, mobility, outsourcing, Work-from-Home, and changing attacker tactics prompted the update and supports an enterprise's security as they move to both fully cloud and hybrid environments.

0 Compliant Assets
10 Non Compliant Assets
85 Not Applicable

NIST 800 171

The National Institute of Standards and Technology (NIST) created Special Publication 800-171 to help protect Controlled Unclassified Information. NIST 800-171 standardizes how federal agencies define CUI: data that is private and sensitive but not classified per federal law.

0 Compliant Assets
10 Non Compliant Assets
85 Not Applicable

Patch Assessment

Patch assessment is the process that helps acquire, test and install multiple patches on a computer, enabling systems to stay updated on existing patches and safeguards the IT environment from vulnerability and exploit.

Risk Detected

95 Assets Scanned

73 Patches Missing in 95 Assets

Impact Level High

Apply Patch to Stay Protected

9 Critical Patches

Apply patches within 30 days of release

28 High Patches

Apply patches within 30 - 60 day

28 Medium Patches

Apply patches within 60 - 90 days

13 Low Patches

Apply patches within 180 days

Top 5 Missing Patches

Vulnerability	CRITICAL	HIGH	Asset Count
Cisco Webex Meetings	0	0	11
DropBox	0	0	11
Microsoft Teams	0	0	10
AnyDesk	0	3	7
Google Chrome	1	19	7

Password Policy Summary

Policy	Setting	Domain
Enforce password history	24 passwords remembered	corps.hashinclude.tech
	24 passwords remembered	ccns.mycybercns.local
Maximum Password Age	42 days	corps.hashinclude.tech
	42 days	ccns.mycybercns.local
Minimum Password Age	0 days	corps.hashinclude.tech
	1 days	ccns.mycybercns.local
Minimum Password Length	7 characters	corps.hashinclude.tech
	7 characters	ccns.mycybercns.local

Password history not remembered

Issue: Short password histories allow users to rotate through a known set of passwords, thus reducing the effectiveness of a good password management policy.

Recommendation: Increase password history to remember at least six passwords.

Maximum Password Age

Issue: Passwords that are not changed regularly are more vulnerable to attack and unauthorized use. Minimizing the allowed password age greatly reduces the window of time that a lost or stolen password poses a threat.

Recommendation: Modify the maximum password age to be 90 days or less.

Password length less than 8 characters

Issue: Passwords are not required to be 8 or more characters, allowing users to pick extremely short passwords which are vulnerable to brute force attacks.

Recommendation: Enable enforcement of password length to more than 8 characters.

Inconsistent password policy

Issue: Password policies are not consistently applied from one computer to the next. A consistently applied password policy ensures adherence to password practices.

Recommendation: Eliminate inconsistencies and exceptions to the password policy.

Asset discovery is simply the process of discovering and collecting data on the technology assets connected to a network for management and tracking purposes

Risk Detected

95 Assets Scanned

4 STORAGE DEVICES WITH DISK SPACE UTILIZED OVER 90%

8 STORAGE DEVICES WITH DISK SPACE UTILIZED OVER 75%

Assets - Operating System

Storage Devices by Disk Space

Disc Space Utilized	Device Count
Up to 25%	2
25 – 50%	21
50 – 75%	20
75 – 90%	4
More than 90%	4

Storage Device Encryption Status

Status	Device Count
Encrypted	8
Not Encrypted	0
Unknown	43

Asset Breakdown

Assets by OS

OS Name	Asset Count
windows	16
linux based os	9
linux_kernel	8
mac_os_x	4
Mac OS X	2
Meraki	2
Ubuntu	2
Windows Server 2012 R2	2
Brother NC-8200h	1
FortiGate	1
MacOS Big Sur	1
MacOS Catalina	1
MacOS High Sierra	1
Windows Server 2012 R2 Standard Evaluation 9600	1
Windows Server 2016	1

Asset by Backup & Recovery Configuration

Backup & Recovery provide visibility which help organization to prepare from any Data Loss. Backup copies allow data to be restored from an earlier point in time to help the business recover from an unplanned event.