

## TECHNICAL ANALYSIS

Fri September 13, 2024

Networks
A\_AHS\_Scan4\_NoSIH
Filters
Windows OS Only



Report Summary 1
Technical Analysis Summary
Hosts 3
Hosts
10.4.37.106
Vulnerabilities 7
Vulnerabilities
DCE RPC mapper available
NetBIOS SSN Available
SMB AUTHENTICATION FAILURE
RPC DCOM AUTHENTICATION FAILURE
WMI AUTHENTICATION FAILURE
Microsoft Remote Desktop Service Available
IP Addresses Enumerated Via NetBIOS
SSL Server Supports CBC Ciphers for TLSv1 Encrypted RDP Sessions
Applications 19
Applications
Audits 20
Audits



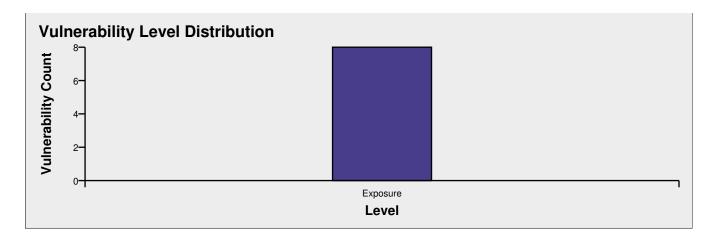
## Report Summary Networks/Network Groups A\_AHS\_Scan4\_NoSIH Filters Windows

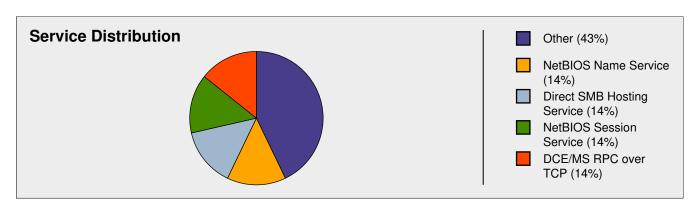
Hosts 1
Average Host Score 0
Applications/Services 8

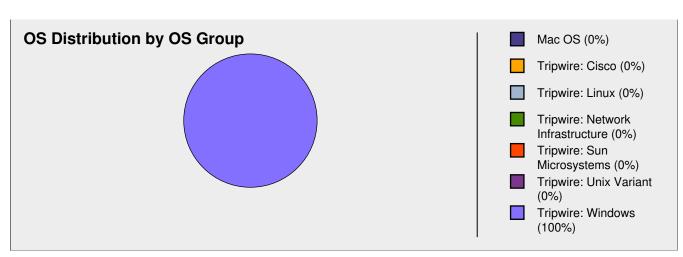
Asset Value Vulnerabilities

Windows OS Only

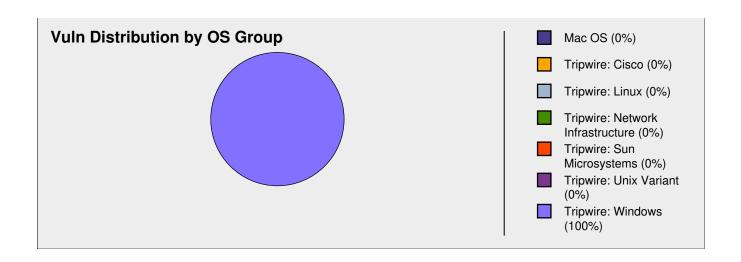
0 8

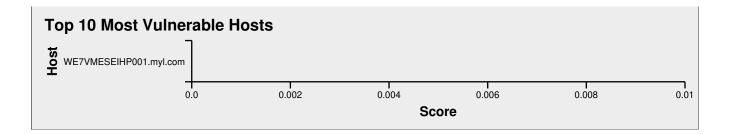


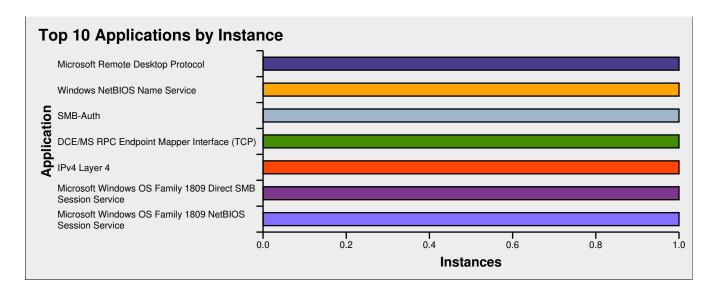














Hosts						
Hostname	IP Address	OS	Agent	Owner	Asset Value	Score
WE7VMESEIHP0	10.4.37.106	Windows 10 OS Family 1809	No	None	0	0



## **Host Summary**

Hostname Score OS Name

**NetBIOS Name** 

WE7VMESEIHP001.myl.com

Windows 10 OS Family 1809 WE7VMESEIHP001

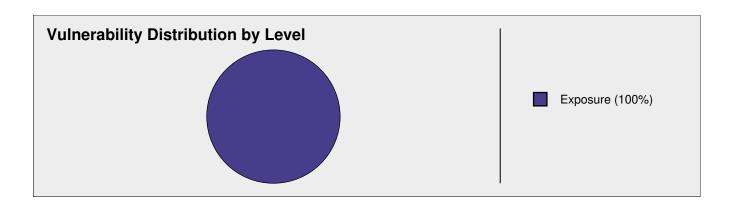
Domain/Workgroup MYL

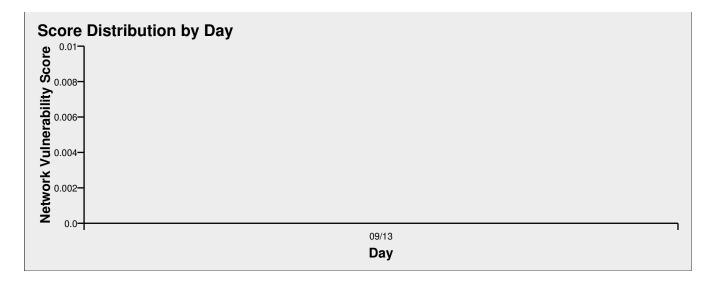
IP Address Asset Value Owner Mac Address (Net-BIOS) 10.4.37.106 0 None

## **Operating System**

**OS Name** 

Windows 10 OS Family 1809





Vulnerabilities			
Vulnerability	CVE	# of Ports	Score
DCE RPC mapper available		1	0
		continued on	next page



Vulnerability	CVE	# of Ports	Score
NetBIOS SSN Available		1	0
SMB AUTHENTICATION FAILURE		1	0
RPC DCOM AUTHENTICATION FAILURE		1	0
WMI AUTHENTICATION FAILURE		1	0
Microsoft Remote Desktop Service Available		1	0
IP Addresses Enumerated Via NetBIOS		1	0
SSL Server Supports CBC Ciphers for TLSv1 Enc	rypted	1	0
RDP Sessions			

Applications		
Service	Application	Port
DCE/MS RPC over TCP	DCE/MS RPC Endpoint Mapper Interface (TCP)	135
Direct SMB Hosting Service	Microsoft Windows OS Family 1809 Direct SMB Session Service	445
IPv4 Layer 4		0
Microsoft Remote Desktop Protocol		3389
NetBIOS Name Service	Windows NetBIOS Name Service	137
NetBIOS Session Service	Microsoft Windows OS Family 1809 NetBIOS Session Service	139
Open TCP Port	N/A	1556
Open TCP Port	N/A	443
SMB-Auth	N/A	0

Configuration Che	ecks	
Configuration Check	Discovery Method	Value
DNS Computer Name	TCP	TCP(139): WE7VMESEIHP001.myl.com, TCP(445): WE7VMESEIHP001.myl.com
DNS Domain Name	TCP	TCP(139): myl.com, TCP(445): myl.com
DNS Tree Name	TCP	TCP(139): myl.com, TCP(445): myl.com
IP Addresses via NETBIOS	UDP	10.4.37.106
Netbios Computer Name	TCP	TCP(139): WE7VMESEIHP001, TCP(445): WE7VMESEIHP001
Netbios Domain Name	TCP	TCP(139): MYL, TCP(445): MYL
Nmap OS String	TCP	
Nmap Status	NMAP	Global: Nmap Not Configured
SSL Certificate Extended Key Usage	SSL	TCP(3389): serverAuth
SSL Certificate Issuer	SSL	TCP(3389): commonName=WE7VMESEIHP001.myl.com
SSL Certificate Key Usage	SSL	TCP(3389): keyEncipherment dataEncipherment
SSL Certificate MD5 Thumbprint	SSL	TCP(3389): 39:A1:D8:73:96:F9:0F:68:56:58:7B:EB:C7:BF:3F:2C
SSL Certificate Public Key Size	SSL	TCP(3389): 2048 bits
SSL Certificate SHA1 Thumbprint	SSL	TCP(3389): 5E:2C:18:8B:96:E6:02:82:3C:EA:DD:1F:5C:70:02:28:F7:FB:AA:
SSL Certificate Serial Number	SSL	TCP(3389): 17:8C:BD:5F:16:95:AD:A6:46:C6:A5:5B:A5:A8:6C:65
		continued on next page



Configuration Check	Discovery Method	Value
SSL Certificate Signature Algorithm	SSL	TCP(3389): sha256WithRSAEncryption
SSL Certificate Subject	SSL	TCP(3389): commonName=WE7VMESEIHP001.myl.com
SSL Certificate Valid From	SSL	TCP(3389): Wed Sep 11 11:31:21 2024 UTC
SSL Certificate Valid To	SSL	TCP(3389): Thu Mar 13 11:31:21 2025 UTC
SSL/TLS Enabled Ciphers	SSL	TCP(3389) TLSv1.1: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA TLS_RSA_WITH_AES_256_CBC_SHA TLS_RSA_WITH_AES_128_CBC_SHA TLS_RSA_WITH_AES_128_CBC_SHA TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA TLS_RSA_WITH_AES_128_CBC_SHA TLS_RSA_WITH_AES_128_CBC_SHA TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA384 TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA384 TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA TLS_RSA_WITH_AES_128_CBC_SHA TLS_RSA_WITH_AES_128_CBC_SHA TLS_RSA_WITH_AES_128_CBC_SHA256
		TLS_RSA_WITH_AES_128_CBC_SHA;
TLSv1 CBC Ciphers	SSL	The following CBC ciphers are supported on TCP(3389): TLS_RSA_WITH_AES_128_CBC_SHA (128-bit) TLS_RSA_WITH_AES_256_CBC_SHA (256-bit) TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (128-bit) TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (256-bit)
TLSv1.2 Strong Ciphers	SSL	TCP(3389): TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (128-bit) TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (256-bit) TLS_RSA_WITH_AES_128_GCM_SHA256 (128-bit) TLS_RSA_WITH_AES_256_GCM_SHA384 (256-bit)
WDRT Authentication Success	TCP	False
WDRT_Access	TCP	WDRT_SMB_AUTH_SUCCESS : False, WDRT_SMB_REGISTRY_ACCESS : False, WDRT_SMB_FILE_ACCESS : False, WDRT_RPC_AUTH_SUCCESS : False, WDRT_WMI_AUTH_SUCCESS : False, WDRT_HOST_IS_64BIT : False,



Vulnerabilities			
Vulnerability	CVE	Hosts	Score
DCE RPC mapper available		1	0
NetBIOS SSN Available		1	0
SMB AUTHENTICATION FAILURE		1	0
RPC DCOM AUTHENTICATION FAILURE		1	0
WMI AUTHENTICATION FAILURE		1	0
Microsoft Remote Desktop Service Available		1	0
IP Addresses Enumerated Via NetBIOS		1	0
SSL Server Supports CBC Ciphers for TLSv1 Encrypted RDP Sessions		1	0



Vulnerability Name Published DCE RPC mapper available

ii C mapper available

nCircle: 1225

CVSS v3 0.0

Score Strategy

CVSS v2 0.0

Network Reconnaissance

## **Description**

#### **DESCRIPTION**

DCE is Microsoft's implementation of the RPC protocol.

Microsoft uses DCE in the same manner that Unix uses portmap. This service is used to register other services with a central control program that facilitates distributed computing.

This service can be used by an attacker to determine the name, version, and location of any DCOM or RPC service on the machine.

## **Affected Applications**

#### **Application Name**

DCE/MS RPC over TCP

## **Advisory Publisher Entries**

Tripwire CVSSv3 Temporal Score: http://www.tripwire.com/vert/cvss/?data=0.0

0.0

Tripwire CVSSv3 Temporal Vector: http://www.tripwire.com/vert/cvss/?data=(E:U/RL:W/RC:C)

(E:U/RL:W/RC:C)

Tripwire DRT Required: No http://www.tripwire.com/vert/?No Tripwire: N/A http://www.tripwire.com/vert/?N/A

#### Rules

STOP WITH Match

		_
Hostname	IP Address	Score
WE7VMESEIHP001.myl.com	10.4.37.106	0



Vulnerability Name Published NetBIOS SSN Available

Score Strategy CVSS v2

Access Control Breach

0.0

nCircle: 1492

CVSS v3 0.0

## Description

#### **DESCRIPTION**

The NetBIOS session service (netBIOS-ssn, tcp 139) serves as a connection-oriented, reliable, sequenced transport mechanism for NetBIOS messages.

The Windows NetBIOS implementation is designed for ease-of-use with regard to network resource sharing. Windows NT/2K allows a substantial amount of information to be obtained about the network by querying NetBIOS services. There are several severe information leaks associated with default configuration of Windows NT: anonymous domain and user enumeration, share access, and remote acquisition of Registry information (a.k.a. the "Red Button" attack). SOLUTION

We recommend the use of packet filtering on firewalls and border routers to block access to NetBIOS services of internal systems. On systems that are exposed to the Internet, entirely disable the following NetBIOS services over TCP/IP:

NetBIOS Name Service, 137/tcp and 137/udp

NetBIOS Datagram Service, 138/tcp and 138/udp

NetBIOS Session Service, 139/tcp and 139/udp

## **Affected Applications**

#### **Application Name**

Microsoft Windows NetBIOS Session Service

NetBIOS Session Service

Samba NBSS

## **Advisory Publisher Entries**

Sans Top 20 2001: W4	http://www.sans.org/top20/2001/?portal=738979f087d735924c39f0d8843ebedf#W4
Sans Top 20 2002: W4	http://www.sans.org/top20/2002/?portal=d545407eee69d45bca553661aa6cd41e#W4
Sans Top 20 2003: w5	http://www.sans.org/top20/2003/?portal=e4f3ca489ec98236af967652e9032da3#w5
Sans Top 20 2004: w3	http://www.sans.org/top20/2004/?portal = a9a59f93888a513a1bfa62e4af857820 #w300000000000000000000000000000000000
Tripwire CVSSv3 Temporal Score:	http://www.tripwire.com/vert/cvss/?data=0.0
0.0	
Tripwire CVSSv3 Temporal Vector:	http://www.tripwire.com/vert/cvss/?data=(E:U/RL:W/RC:C)
(E:U/RL:W/RC:C)	
Tripwire DRT Required: No	http://www.tripwire.com/vert/?No
Tripwire: N/A	http://www.tripwire.com/vert/?N/A

#### Rules



STOP WITH Match
STOP WITH Match
STOP WITH Match

Hosts		
Hostname	IP Address	Score
WE7VMESEIHP001.myl.com	10.4.37.106	0



#### **Vulnerability**

Vulnerability Name SMB AUTHENTICATION FAIL- Score

URE

PublishedStrategyAccess Control Breach

## **Description**

**DESCRIPTION** 

IP360 was unable to log into a device, making DRT testing impossible on this host.

## **Affected Applications**

#### **Application Name**

IPv4 Layer 4 SMB-Auth

## **Advisory Publisher Entries**

Tripwire CVSSv3 Temporal Score: http://www.tripwire.com/vert/cvss/?data=0.0

0.0

Tripwire CVSSv3 Temporal Vector: http://www.tripwire.com/vert/cvss/?data=(E:U/RL:W/RC:C)

(E:U/RL:W/RC:C)

Tripwire DRT Required: No http://www.tripwire.com/vert/?No Tripwire: N/A http://www.tripwire.com/vert/?N/A

#### Rules

EXECUTE{ from aspl\_env import getHostVariable from aspl\_wdrt import ASPL\_WDRT
smb\_creds = rule.env.target.get
CredentialSet('SMB')
if smb\_creds == []: rule.STOP(False)
try: host\_access = getHostVariable( 'WDRT\_
ACCESS' ) except KeyError: rule.STOP( False )
if host\_access & ASPL\_WDRT.WDRT\_SMB\_AUTH\_SUCCESS: rule.
STOP( False ) }

Hostname	IP Address	Score
WE7VMESEIHP001.myl.com	10.4.37.106	0



## **Vulnerability**

Vulnerability Name RPC DCOM AUTHENTICA- Score

TION FAILURE

Published Strategy Network Reconnaissance

nCircle: 9972 CVSS v2 0.0

## **Description**

DESCRIPTION

RPC DCOM AUTHENTICATION FAILURE

## **Affected Applications**

#### **Application Name**

IPv4 Layer 4

## **Advisory Publisher Entries**

Tripwire CVSSv3 Temporal Score: http://www.tripwire.com/vert/cvss/?data=0.0

0.0

Tripwire CVSSv3 Temporal Vector: http://www.tripwire.com/vert/cvss/?data=(E:U/RL:W/RC:C)

(E:U/RL:W/RC:C)

Tripwire DRT Required: No http://www.tripwire.com/vert/?No Tripwire: N/A http://www.tripwire.com/vert/?N/A

#### Rules

EXECUTE{ from aspl\_env import getHostVariable from aspl\_wdrt import ASPL\_WDRT
smb\_creds = rule.env.target.get
CredentialSet('SMB')
if smb\_creds == []: rule.STOP(False)
try: host\_access = getHostVariable( 'WDRT\_
ACCESS' ) except KeyError: rule.STOP( False )
if host\_access & ASPL\_WDRT.WDRT\_RPC\_AUTH\_SUCCESS: rule.
STOP( False ) }

Hostname	IP Address	Score
WE7VMESEIHP001.myl.com	10.4.37.106	0



## **Vulnerability**

Vulnerability Name WMI AUTHENTICATION FAIL- Score

URE

Published Strategy Network Reconnaissance

nCircle: 9974 CVSS v2 0.0

## **Description**

DESCRIPTION WMI AUTHENTICATION FAILURE

## **Affected Applications**

#### **Application Name**

IPv4 Layer 4

## **Advisory Publisher Entries**

Tripwire CVSSv3 Temporal Score: http://www.tripwire.com/vert/cvss/?data=0.0

0.0

Tripwire CVSSv3 Temporal Vector: http://www.tripwire.com/vert/cvss/?data=(E:U/RL:W/RC:C)

(E:U/RL:W/RC:C)

Tripwire DRT Required: No http://www.tripwire.com/vert/?No Tripwire: N/A http://www.tripwire.com/vert/?N/A

#### Rules

EXECUTE{ from aspl\_env import getHostVariable from aspl\_wdrt import ASPL\_WDRT
smb\_creds = rule.env.target.get
CredentialSet('SMB')
if smb\_creds == []: rule.STOP(False)
try: host\_access = getHostVariable( 'WDRT\_
ACCESS') except KeyError: rule.STOP( False )
if host\_access & ASPL\_WDRT.WDRT\_WMI\_AUTH\_SUCCESS: rule.
STOP( False ) }

Hostname	IP Address	Score
WE7VMESEIHP001.myl.com	10.4.37.106	0



## **Vulnerability**

 Vulnerability Name
 Microsoft Remote Desktop Ser Score

vice Available

Published Strategy Network Reconnaissance

nCircle: 27350 CVSS v2 0.0

## **Description**

#### **DESCRIPTION**

The Microsoft Remote Desktop Service was detected on the server.

The Microsoft Remote Desktop Service (formerly known as Terminal Service) provides remote display and input capabilities over network connections for Windows-based applications running on a server. RDP is designed to support different types of network topologies and multiple LAN protocols. By default the server listens on TCP port 3389. SOLUTION

Disable this service if it is not essential to the server's operation.

## **Affected Applications**

#### **Application Name**

Microsoft Remote Desktop Protocol

## **Advisory Publisher Entries**

Tripwire CVSSv3 Temporal Score: http://www.tripwire.com/vert/cvss/?data=0.0

0.0

Tripwire CVSSv3 Temporal Vector: http://www.tripwire.com/vert/cvss/?data=(E:U/RL:W/RC:C)

(E:U/RL:W/RC:C)

Tripwire DRT Required: No http://www.tripwire.com/vert/?No Tripwire: N/A http://www.tripwire.com/vert/?N/A

#### Rules

STOP WITH Match

Hostname	IP Address	Score
WE7VMESEIHP001.myl.com	10.4.37.106	0



 Vulnerability Name
 IP
 Addresses
 Enumerated
 Via
 Score
 0

NetBIOS

Published Strategy Network Reconnaissance

## **Description**

#### **DESCRIPTION**

By sending a NetBIOS query, an attacker may be able to detect all IP Addresses on a system, not just the public IP Address. This may disclose internal network information.

SOLUTION

Restrict access within a broadcast domain to trusted hosts only.

## **Affected Applications**

#### **Application Name**

NetBIOS Name Service

## **Advisory Publisher Entries**

Tripwire CVSSv3 Temporal Score: 0.0	http://www.tripwire.com/vert/cvss/?data=0.0
Tripwire CVSSv3 Temporal Vector: (E:U/RL:W/RC:C)	http://www.tripwire.com/vert/cvss/?data = (E:U/RL:W/RC:C)
Tripwire DRT Required: No	http://www.tripwire.com/vert/?No
Tripwire: N/A	http://www.tripwire.com/vert/?N/A

#### Rules



# HostsIP AddressScoreWE7VMESEIHP001.myl.com10.4.37.1060



Vulnerability Name SSL Server Supports CBC Ci- Sco

phers for TLSv1 Encrypted RDP

Sessions

**Published** 

nCircle: 80216

CVSS v3 0.0

Score 0

CVSS v2

Strategy Access Control Breach

0.0

## Description

#### **DESCRIPTION**

Cipher Block Chaining (CBC) is vulnerable to beast attacks. BEAST attack relies on a weakness in the way CBC mode is used in SSL and TLS.

#### **SOLUTION**

Windows XP and Windows 2003:

Locate the following key in the registry:

 $HKEY\_LOCAL\_MACHINE \backslash SYSTEM \backslash Current Control \backslash Security Providers \backslash SCHANNEL$ 

In the SCHANNEL\Ciphers\RC2 56/56 Subkey, change the DWORD value data of the Enabled value to 0x0. If the Enabled value does not exist, create it.

In the SCHANNEL\Ciphers\RC2 40/128 Subkey, change the DWORD value data of the Enabled value to 0x0. If the Enabled value does not exist, create it.

In the SCHANNEL\Ciphers\DES 168/168 Subkey, change the DWORD value data of the Enabled value to 0x0. If the Enabled value does not exist, create it.

See http://support.microsoft.com/kb/245030 for more information.

Windows Vista, Windows 2008, Windows 7, Windows 2008 R2, Windows 8 and Windows 2012

- 1. Open Group Policy Manager (gpmc.msc) or Group Policy Editor (gpedit.msc)
- 2. Select a policy to edit
- 3. Navigate to <Policy>\Computer Configuration\Policies\Administrative Template\Network\SSL Configuration
- 4. Right click SSL Cipher Suite Order and click Edit
- 5. Select Enable
- 6. Copy the list of SSL Cipher Suites to a text editor
- 7. Remove unwanted ciphers from the list

continued on next page



- 8. Paste the updated cipher list back into the SSL Cipher Suites box
- 9. Click Apply
- 10. Restart the system (This is necessary as the ciphers are still enabled until a reboot.)

See http://msdn.microsoft.com/en-us/library/bb870930(v=vs.85).aspx for more information.

## Affected Applications

#### **Application Name**

Microsoft Remote Desktop Protocol

## **Advisory Publisher Entries**

Tripwire CVSSv3 Temporal Score:	http://www.tripwire.com/vert/cvss/?data=0.0
0.0	
Tripwire CVSSv3 Temporal Vector:	http://www.tripwire.com/vert/cvss/?data=(E:U/RL:W/RC:C)
(E:U/RL:W/RC:C)	
Tripwire DRT Required: No	http://www.tripwire.com/vert/?No
Tripwire: N/A	http://www.tripwire.com/vert/?N/A

#### Rules

EXECUTE{ import HIC, asplenv, dp try: all\_accepted\_ciphers = asplenv.getContextVariable('ssl\_ciphers') e xcept KeyError: rule.STOP(False)
target\_protocol = "TLSv1" #CBC Ciphers weak\_ciphers = dict() weak\_cipher
s['\x00\x06'] = 'TLS\_RSA\_EXPORT\_WITH\_RC2\_CBC\_40\_MD5 (40-bit)' weak\_ciphers['\x00\x07'] = 'TLS\_RSA\_WITH\_IDEA\_CB
C\_SHA (128-bit)' weak\_ciphers['\x00\x08'] = 'TLS\_RSA\_EXPORT\_WITH\_DES40\_CBC\_SHA (40-bit)' weak\_ciphers['\x00\x00
9'] = 'TLS\_RSA\_WITH\_DES\_CBC\_SHA (56-bit)' weak\_ciphers['\x00\x0a'] = 'TLS\_RSA\_WITH\_3DES\_EDE\_CBC\_SHA (192-bit)'
weak\_ciphers['\x00\x0b'] = 'TLS\_DH\_DSS\_EXPORT\_WITH\_DES40\_CBC\_SHA (40-bit)' weak\_ciphers['\x00\x0c'] = 'TLS\_DH\_DSS\_EXPORT\_WITH\_DES40\_CBC\_SHA (40-bit)' weak\_ciphers['\x00\x0f'] = 'TLS\_DH\_RSA\_WITH\_3DE
k\_ciphers['\x00\x0f'] = 'TLS\_DH\_RSA\_WITH\_DES\_CBC\_SHA (56-bit)' weak\_ciphers['\x00\x10'] = 'TLS\_DH\_RSA\_WITH\_3DE
S\_EDE\_CBC\_SHA (168-bit)' weak\_ciphers['\x00\x11'] = 'TLS\_DH\_DSS\_EXPORT\_WITH\_DES40\_CBC\_SHA (40-bit)' weak\_ciphers['\x00\x10'] = 'TLS\_DH\_RSA\_WITH\_3DE

Hosts		
Hostname	IP Address	Score
WE7VMESEIHP001.myl.com	10.4.37.106	0



#### **Applications** Service **Application** Hosts DCE/MS RPC Endpoint Mapper Interface (TCP) DCE/MS RPC over TCP Direct SMB Hosting Service Microsoft Windows OS Family 1809 Direct SMB Session Service 1 IPv4 Layer 4 1 Microsoft Remote Desktop Protocol 1 Windows NetBIOS Name Service NetBIOS Name Service 1 NetBIOS Session Service Microsoft Windows OS Family 1809 NetBIOS Session Service 1 Open TCP Port N/A 1 SMB-Auth N/A



Audits				
Network Name	Scan Profile Name	Audit Start	Audit End	Approx Hours Taken
A_AHS_Scan4_NoSIH	_Mylan: Standard Profile	09/13/2024 06:07	09/13/2024 06:09	00:01