

ScansioneFine

Report generated by $\mathsf{Nessus}^\mathsf{TM}$

Sat, 23 Dec 2023 13:28:12 EST

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192.168.50.101



Scan Information

Start time: Sat Dec 23 13:20:13 2023 End time: Sat Dec 23 13:28:12 2023

Host Information

IP: 192.168.50.101 MAC Address: CA:01:D0:D2:AF:9A

OS: Linux Kernel 2.6 on Ubuntu 8.04 (hardy)

Vulnerabilities

32314 - Debian OpenSSH/OpenSSL Package Random Number Generator Weakness

Synopsis

The remote SSH host keys are weak.

Description

The remote SSH host key has been generated on a Debian or Ubuntu system which contains a bug in the random number generator of its OpenSSL library.

The problem is due to a Debian packager removing nearly all sources of entropy in the remote version of OpenSSL.

An attacker can easily obtain the private part of the remote key and use this to set up decipher the remote session or set up a man in the middle attack.

See Also

http://www.nessus.org/u?107f9bdc

http://www.nessus.org/u?f14f4224

Solution

Consider all cryptographic material generated on the remote host to be guessable. In particuliar, all SSH, SSL and OpenVPN key material should be re-generated.

Risk Factor

Critical

VPR Score

7.4

CVSS v2.0 Base Score

10.0 (CVSS2#AV:N/AC:L/Au:N/C:C/I:C/A:C)

CVSS v2.0 Temporal Score

8.3 (CVSS2#E:F/RL:OF/RC:C)

References

BID 29179

CVE CVE-2008-0166

XREF CWE:310

Exploitable With

Core Impact (true)

Plugin Information

Published: 2008/05/14, Modified: 2018/11/15

Plugin Output

tcp/22/ssh

33850 - Unix Operating System Unsupported Version Detection

Synopsis

The operating system running on the remote host is no longer supported.

Description

According to its self-reported version number, the Unix operating system running on the remote host is no longer supported.

Lack of support implies that no new security patches for the product will be released by the vendor. As a result, it is likely to contain security vulnerabilities.

Solution

Upgrade to a version of the Unix operating system that is currently supported.

Risk Factor

Critical

CVSS v3.0 Base Score

10.0 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:C/C:H/I:H/A:H)

CVSS v2.0 Base Score

10.0 (CVSS2#AV:N/AC:L/Au:N/C:C/I:C/A:C)

References

XREF IAVA:0001-A-0502 XREF IAVA:0001-A-0648

Plugin Information

Published: 2008/08/08, Modified: 2023/10/18

Plugin Output

tcp/0

```
Ubuntu 8.04 support ended on 2011-05-12 (Desktop) / 2013-05-09 (Server). Upgrade to Ubuntu 23.04 / LTS 22.04 / LTS 20.04 .
```

For more information, see : https://wiki.ubuntu.com/Releases

90317 - SSH Weak Algorithms Supported

Synopsis

The remote SSH server is configured to allow weak encryption algorithms or no algorithm at all.

Description

Nessus has detected that the remote SSH server is configured to use the Arcfour stream cipher or no cipher at all. RFC 4253 advises against using Arcfour due to an issue with weak keys.

See Also

https://tools.ietf.org/html/rfc4253#section-6.3

Solution

Contact the vendor or consult product documentation to remove the weak ciphers.

Risk Factor

Medium

CVSS v2.0 Base Score

4.3 (CVSS2#AV:N/AC:M/Au:N/C:P/I:N/A:N)

Plugin Information

Published: 2016/04/04, Modified: 2016/12/14

Plugin Output

tcp/22/ssh

```
The following weak server-to-client encryption algorithms are supported:

arcfour
arcfour128
arcfour256

The following weak client-to-server encryption algorithms are supported:

arcfour
arcfour128
arcfour128
arcfour256
```

70658 - SSH Server CBC Mode Ciphers Enabled

Synopsis

The SSH server is configured to use Cipher Block Chaining.

Description

The SSH server is configured to support Cipher Block Chaining (CBC) encryption. This may allow an attacker to recover the plaintext message from the ciphertext.

Note that this plugin only checks for the options of the SSH server and does not check for vulnerable software versions.

Solution

Contact the vendor or consult product documentation to disable CBC mode cipher encryption, and enable CTR or GCM cipher mode encryption.

Risk Factor

Low

CVSS v3.0 Base Score

3.7 (CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:L/I:N/A:N)

VPR Score

3.6

CVSS v2.0 Base Score

2.6 (CVSS2#AV:N/AC:H/Au:N/C:P/I:N/A:N)

CVSS v2.0 Temporal Score

1.9 (CVSS2#E:U/RL:OF/RC:C)

References

BID 32319

CVE CVE-2008-5161

XREF CERT:958563

XREF CWE:200

Plugin Information

Published: 2013/10/28, Modified: 2023/10/27

tcp/22/ssh

```
The following client-to-server Cipher Block Chaining (CBC) algorithms
are supported :
 3des-cbc
aes128-cbc
 aes192-cbc
 aes256-cbc
 blowfish-cbc
cast128-cbc
rijndael-cbc@lysator.liu.se
The following server-to-client Cipher Block Chaining (CBC) algorithms
are supported :
 3des-cbc
 aes128-cbc
 aes192-cbc
 aes256-cbc
 blowfish-cbc
 cast128-cbc
 rijndael-cbc@lysator.liu.se
```

153953 - SSH Weak Key Exchange Algorithms Enabled

Synopsis The remote SSH server is configured to allow weak key exchange algorithms. Description The remote SSH server is configured to allow key exchange algorithms which are considered weak. This is based on the IETF draft document Key Exchange (KEX) Method Updates and Recommendations for Secure Shell (SSH) draft-ietf-curdle-ssh-kex-sha2-20. Section 4 lists guidance on key exchange algorithms that SHOULD NOT and MUST NOT be enabled. This includes: diffie-hellman-group-exchange-sha1 diffie-hellman-group1-sha1 gss-gex-sha1-* gss-group1-sha1-* gss-group14-sha1-* rsa1024-sha1 Note that this plugin only checks for the options of the SSH server, and it does not check for vulnerable software versions. See Also http://www.nessus.org/u?b02d91cd https://datatracker.ietf.org/doc/html/rfc8732 Solution Contact the vendor or consult product documentation to disable the weak algorithms. Risk Factor low CVSS v3.0 Base Score 3.7 (CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:L/I:N/A:N) CVSS v2.0 Base Score

192.168.50.101

2.6 (CVSS2#AV:N/AC:H/Au:N/C:P/I:N/A:N)

Plugin Information

Published: 2021/10/13, Modified: 2021/10/13

Plugin Output

tcp/22/ssh

The following weak key exchange algorithms are enabled :

diffie-hellman-group-exchange-sha1
diffie-hellman-group1-sha1

71049 - SSH Weak MAC Algorithms Enabled

Synopsis

The remote SSH server is configured to allow MD5 and 96-bit MAC algorithms.

Description

The remote SSH server is configured to allow either MD5 or 96-bit MAC algorithms, both of which are considered weak.

Note that this plugin only checks for the options of the SSH server, and it does not check for vulnerable software versions.

Solution

Contact the vendor or consult product documentation to disable MD5 and 96-bit MAC algorithms.

Risk Factor

Low

CVSS v2.0 Base Score

2.6 (CVSS2#AV:N/AC:H/Au:N/C:P/I:N/A:N)

Plugin Information

Published: 2013/11/22, Modified: 2016/12/14

Plugin Output

tcp/22/ssh

```
The following client-to-server Message Authentication Code (MAC) algorithms are supported:

hmac-md5
hmac-md5-96
hmac-sha1-96

The following server-to-client Message Authentication Code (MAC) algorithms are supported:

hmac-md5
hmac-md5
hmac-md5
hmac-md5-96
hmac-sha1-96
```

39520 - Backported Security Patch Detection (SSH)

Synopsis
Security patches are backported.
Description
Security patches may have been 'backported' to the remote SSH server without changing its version number.
Banner-based checks have been disabled to avoid false positives.
Note that this test is informational only and does not denote any security problem.
See Also
https://access.redhat.com/security/updates/backporting/?sc_cid=3093
Solution
n/a
Risk Factor
None
Plugin Information
Published: 2009/06/25, Modified: 2015/07/07
Plugin Output
tcp/22/ssh
Civo Noggua gradontiala to parform logal shocks

45590 - Common Platform Enumeration (CPE)

Synopsis

It was possible to enumerate CPE names that matched on the remote system.

Description

By using information obtained from a Nessus scan, this plugin reports CPE (Common Platform Enumeration) matches for various hardware and software products found on a host.

Note that if an official CPE is not available for the product, this plugin computes the best possible CPE based on the information available from the scan.

See Also

http://cpe.mitre.org/

https://nvd.nist.gov/products/cpe

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2010/04/21, Modified: 2023/10/16

Plugin Output

tcp/0

```
The remote operating system matched the following CPE:

cpe:/o:canonical:ubuntu_linux:8.04 -> Canonical Ubuntu Linux

Following application CPE's matched on the remote system:

cpe:/a:openbsd:openssh:4.7 -> OpenBSD OpenSSH

cpe:/a:openbsd:openssh:4.7p1 -> OpenBSD OpenSSH
```

132634 - Deprecated SSLv2 Connection Attempts

Synopsis

Secure Connections, using a deprecated protocol were attempted as part of the scan

Description

This plugin enumerates and reports any SSLv2 connections which were attempted as part of a scan. This protocol has been deemed prohibited since 2011 because of security vulnerabilities and most major ssl libraries such as openssl, nss, mbed and wolfssl do not provide this functionality in their latest versions. This protocol has been deprecated in Nessus 8.9 and later.

Solution

N/A

Risk Factor

None

Plugin Information

Published: 2020/01/06, Modified: 2020/01/06

Plugin Output

tcp/0

Nessus attempted the following SSLv2 connection(s) as part of this scan:

Plugin ID: 42476

Timestamp: 2023-12-23 18:22:03

Port: 22

54615 - Device Type

Synopsis

It is possible to guess the remote device type.

Description

Based on the remote operating system, it is possible to determine what the remote system type is (eg: a printer, router, general-purpose computer, etc).

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2011/05/23, Modified: 2022/09/09

Plugin Output

tcp/0

Remote device type : general-purpose Confidence level : 95

86420 - Ethernet MAC Addresses

Synopsis

This plugin gathers MAC addresses from various sources and consolidates them into a list.

Description

This plugin gathers MAC addresses discovered from both remote probing of the host (e.g. SNMP and Netbios) and from running local checks (e.g. ifconfig). It then consolidates the MAC addresses into a single, unique, and uniform list.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2015/10/16, Modified: 2020/05/13

Plugin Output

tcp/0

The following is a consolidated list of detected MAC addresses:

- CA:01:D0:D2:AF:9A

112154 - Nessus Launched Plugin List

Synopsis
This plugin displays information about the launched plugins.
Description
This plugin displays the list of launched plugins in a semicolon delimited list.
Solution
n/a
Risk Factor
None
Plugin Information
Published: 2018/08/28, Modified: 2018/09/24
Plugin Output
tcp/0

10114;69877;48215;51834;76512;20927;84232;155676;100621;170395;160403;23778;64631;90317;69788;126589;39519;103598; [...]

19506 - Nessus Scan Information

Synopsis

This plugin displays information about the Nessus scan.

Description

This plugin displays, for each tested host, information about the scan itself:

- The version of the plugin set.
- The type of scanner (Nessus or Nessus Home).
- The version of the Nessus Engine.
- The port scanner(s) used.
- The port range scanned.
- The ping round trip time
- Whether credentialed or third-party patch management checks are possible.
- Whether the display of superseded patches is enabled
- The date of the scan.
- The duration of the scan.
- The number of hosts scanned in parallel.
- The number of checks done in parallel.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2005/08/26, Modified: 2023/07/31

Plugin Output

tcp/0

```
Information about this scan :

Nessus version : 10.6.4
Nessus build : 20005
Plugin feed version : 202312210628
Scanner edition used : Nessus Home
Scanner OS : LINUX
Scanner distribution : ubuntu1804-aarch64
Scan type : Normal
Scan name : ScansioneFine
```

```
Scan policy used : Basic Network Scan
Scanner IP : 192.168.50.100
Port scanner(s) : nessus_tcp_scanner
Port range : default
Ping RTT : 170.277 ms
Thorough tests : yes
Experimental tests : no
Plugin debugging enabled : no
Paranoia level : 0
Report verbosity : 1
Safe checks : yes
Optimize the test : yes
Credentialed checks : no
Patch management checks : None
Display superseded patches : yes (supersedence plugin launched)
CGI scanning : disabled
Web application tests : disabled
Max hosts : 30
Max checks : 5
Recv timeout : 5
Backports : Detected
Allow post-scan editing : Yes
Nessus Plugin Signature Checking : Enabled
Audit File Signature Checking : Disabled
Scan Start Date : 2023/12/23 13:20 EST
Scan duration: 463 sec
Scan for malware : no
```

10335 - Nessus TCP scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

This plugin is a classical TCP port scanner. It shall be reasonably quick even against a firewalled target.

Once a TCP connection is open, it grabs any available banner for the service identification plugins.

Note that TCP scanners are more intrusive than SYN (half open) scanners.

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2023/09/25

Plugin Output

tcp/22/ssh

Port 22/tcp was found to be open

11936 - OS Identification

Synopsis

It is possible to guess the remote operating system.

Description

Using a combination of remote probes (e.g., TCP/IP, SMB, HTTP, NTP, SNMP, etc.), it is possible to guess the name of the remote operating system in use. It is also possible sometimes to guess the version of the operating system.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2003/12/09, Modified: 2023/11/08

Plugin Output

tcp/0

Remote operating system : Linux Kernel 2.6 on Ubuntu 8.04 (hardy)
Confidence level : 95
Method : SSH

The remote host is running Linux Kernel 2.6 on Ubuntu 8.04 (hardy)

117886 - OS Security Patch Assessment Not Available

Synopsis

OS Security Patch Assessment is not available.

Description

OS Security Patch Assessment is not available on the remote host.

This does not necessarily indicate a problem with the scan.

Credentials may not have been provided, OS security patch assessment may not be supported for the target, the target may not have been identified, or another issue may have occurred that prevented OS security patch assessment from being available. See plugin output for details.

This plugin reports non-failure information impacting the availability of OS Security Patch Assessment. Failure information is reported by plugin 21745: 'OS Security Patch Assessment failed'. If a target host is not supported for OS Security Patch Assessment, plugin 110695: 'OS Security Patch Assessment Checks Not Supported' will report concurrently with this plugin.

Solution

n/a

Risk Factor

None

References

XREF IAVB:0001-B-0515

Plugin Information

Published: 2018/10/02, Modified: 2021/07/12

Plugin Output

tcp/0

```
The following issues were reported:

- Plugin : no_local_checks_credentials.nasl
    Plugin ID : 110723
    Plugin Name : Target Credential Status by Authentication Protocol - No Credentials Provided Message :
```

Credentials were not provided for detected SSH service.

181418 - OpenSSH Detection

Synopsis

An OpenSSH-based SSH server was detected on the remote host.

Description

An OpenSSH-based SSH server was detected on the remote host.

See Also

https://www.openssh.com/

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2023/09/14, Modified: 2023/12/18

Plugin Output

tcp/22/ssh

Path : /
Version : 4.7p1

Distribution : debian-8ubuntu1

10180 - Ping the remote host

Synopsis

It was possible to identify the status of the remote host (alive or dead).

Description

Nessus was able to determine if the remote host is alive using one or more of the following ping types:

- An ARP ping, provided the host is on the local subnet and Nessus is running over Ethernet.
- An ICMP ping.
- A TCP ping, in which the plugin sends to the remote host a packet with the flag SYN, and the host will reply with a RST or a SYN/ACK.
- A UDP ping (e.g., DNS, RPC, and NTP).

Solution

n/a

Risk Factor

None

Plugin Information

Published: 1999/06/24, Modified: 2023/07/31

Plugin Output

tcp/0

The remote host is up
The host replied to an ARP who-is query.
Hardware address : ca:01:d0:d2:af:9a

70657 - SSH Algorithms and Languages Supported

Synopsis

An SSH server is listening on this port.

Description

This script detects which algorithms and languages are supported by the remote service for encrypting communications.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2013/10/28, Modified: 2017/08/28

Plugin Output

tcp/22/ssh

```
Nessus negotiated the following encryption algorithm with the server :
The server supports the following options for kex_algorithms :
 diffie-hellman-group-exchange-sha1
 diffie-hellman-group-exchange-sha256
 diffie-hellman-group1-sha1
 diffie-hellman-group14-sha1
The server supports the following options for server_host_key_algorithms :
 ssh-dss
The server supports the following options for encryption_algorithms_client_to_server :
 3des-cbc
 aes128-cbc
 aes128-ctr
 aes192-cbc
  aes192-ctr
 aes256-cbc
 aes256-ctr
 arcfour
 arcfour128
 arcfour256
 blowfish-cbc
 cast128-cbc
 rijndael-cbc@lysator.liu.se
```

```
The server supports the following options for encryption_algorithms_server_to_client :
 3des-cbc
 aes128-cbc
 aes128-ctr
 aes192-cbc
 aes192-ctr
 aes256-cbc
 aes256-ctr
 arcfour
 arcfour128
 arcfour256
 blowfish-cbc
 cast128-cbc
 rijndael-cbc@lysator.liu.se
The server supports the following options for mac_algorithms_client_to_server :
 hmac-md5
  hmac-md5-96
 hmac-ripemd160
 hmac-ripemd160@openssh.com
 hmac-sha1
 hmac-sha1-96
 umac-64@openssh.com
The server supports the following options for mac_algorithms_server_to_client :
 hmac-md5
 hmac-md5-96
 hmac-ripemd160
 hmac-ripemd160@openssh.com
 hmac-sha1
 hmac-sha1-96
 umac-64@openssh.com
The server supports the following options for compression_algorithms_client_to_server :
 zlib@openssh.com
The server supports the following options for compression_algorithms_server_to_client :
 zlib@openssh.com
```

149334 - SSH Password Authentication Accepted

Synopsis
The SSH server on the remote host accepts password authentication.
Description
The SSH server on the remote host accepts password authentication.
See Also
https://tools.ietf.org/html/rfc4252#section-8
Solution
n/a
Risk Factor
None
Plugin Information
Published: 2021/05/07, Modified: 2021/05/07
Plugin Output
tcp/22/ssh

10881 - SSH Protocol Versions Supported

Synopsis

A SSH server is running on the remote host.

Description

This plugin determines the versions of the SSH protocol supported by the remote SSH daemon.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2002/03/06, Modified: 2021/01/19

Plugin Output

tcp/22/ssh

The remote SSH daemon supports the following versions of the SSH protocol :

- 1.99
- 2.0

153588 - SSH SHA-1 HMAC Algorithms Enabled

Synopsis

The remote SSH server is configured to enable SHA-1 HMAC algorithms.

Description

The remote SSH server is configured to enable SHA-1 HMAC algorithms.

Although NIST has formally deprecated use of SHA-1 for digital signatures, SHA-1 is still considered secure for HMAC as the security of HMAC does not rely on the underlying hash function being resistant to collisions.

Note that this plugin only checks for the options of the remote SSH server.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2021/09/23, Modified: 2022/04/05

Plugin Output

tcp/22/ssh

```
The following client-to-server SHA-1 Hash-based Message Authentication Code (HMAC) algorithms are supported:
```

hmac-sha1 hmac-sha1-96

The following server-to-client SHA-1 Hash-based Message Authentication Code (HMAC) algorithms are supported:

hmac-sha1 hmac-sha1-96

10267 - SSH Server Type and Version Information

SSH supported authentication : publickey, password

Synopsis An SSH server is listening on this port. Description It is possible to obtain information about the remote SSH server by sending an empty authentication request. Solution n/a Risk Factor None References **XREF** IAVT:0001-T-0933 Plugin Information Published: 1999/10/12, Modified: 2020/09/22 Plugin Output tcp/22/ssh SSH version : SSH-2.0-OpenSSH_4.7p1 Debian-8ubuntu1

22964 - Service Detection

Synopsis

The remote service could be identified.

Description

Nessus was able to identify the remote service by its banner or by looking at the error message it sends when it receives an HTTP request.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2007/08/19, Modified: 2023/07/10

Plugin Output

tcp/22/ssh

An SSH server is running on this port.

25220 - TCP/IP Timestamps Supported

Synopsis
The remote service implements TCP timestamps.
Description
The remote host implements TCP timestamps, as defined by RFC1323. A side effect of this feature is that the uptime of the remote host can sometimes be computed.
See Also
http://www.ietf.org/rfc/rfc1323.txt
Solution
n/a
Risk Factor
None
Plugin Information
Published: 2007/05/16, Modified: 2023/10/17
Plugin Output
tcp/0

110723 - Target Credential Status by Authentication Protocol - No Credentials Provided

Synopsis

Nessus was able to find common ports used for local checks, however, no credentials were provided in the scan policy.

Description

Nessus was not able to successfully authenticate directly to the remote target on an available authentication protocol. Nessus was able to connect to the remote port and identify that the service running on the port supports an authentication protocol, but Nessus failed to authenticate to the remote service using the provided credentials. There may have been a protocol failure that prevented authentication from being attempted or all of the provided credentials for the authentication protocol may be invalid. See plugin output for error details.

Please note the following:

- This plugin reports per protocol, so it is possible for valid credentials to be provided for one protocol and not another. For example, authentication may succeed via SSH but fail via SMB, while no credentials were provided for an available SNMP service.
- Providing valid credentials for all available authentication protocols may improve scan coverage, but the value of successful authentication for a given protocol may vary from target to target depending upon what data (if any) is gathered from the target via that protocol. For example, successful authentication via SSH is more valuable for Linux targets than for Windows targets, and likewise successful authentication via SMB is more valuable for Windows targets than for Linux targets.

Solution				
n/a				
Risk Factor	r			
None				
References	S			
XREF	IAVB:0001-B-0504			
Plugin Info	ormation			
Published:	: 2018/06/27, Modified: 2023/02/13			
Plugin Out	tput			
tcp/0				

192.168.50.101 34

SSH was detected on port 22 but no credentials were provided.

SSH local checks were not enabled.

10287 - Traceroute Information

Synopsis

It was possible to obtain traceroute information.

Description

Makes a traceroute to the remote host.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 1999/11/27, Modified: 2023/12/04

Plugin Output

udp/0

```
For your information, here is the traceroute from 192.168.50.100 to 192.168.50.101: 192.168.50.100  
192.168.50.101  
Hop Count: 1
```