

# Metasploitable n3

Report generated by Nessus™

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# 20007 (2) - SSL Version 2 and 3 Protocol Detection

# Synopsis

The remote service encrypts traffic using a protocol with known weaknesses.

# Description

The remote service accepts connections encrypted using SSL 2.0 and/or SSL 3.0. These versions of SSL are affected by several cryptographic flaws, including:

- An insecure padding scheme with CBC ciphers.
- Insecure session renegotiation and resumption schemes.

An attacker can exploit these flaws to conduct man-in-the-middle attacks or to decrypt communications between the affected service and clients.

Although SSL/TLS has a secure means for choosing the highest supported version of the protocol (so that these versions will be used only if the client or server support nothing better), many web browsers implement this in an unsafe way that allows an attacker to downgrade a connection (such as in POODLE). Therefore, it is recommended that these protocols be disabled entirely.

NIST has determined that SSL 3.0 is no longer acceptable for secure communications. As of the date of enforcement found in PCI DSS v3.1, any version of SSL will not meet the PCI SSC's definition of 'strong cryptography'.

#### See Also

https://www.schneier.com/academic/paperfiles/paper-ssl.pdf

http://www.nessus.org/u?b06c7e95

http://www.nessus.org/u?247c4540

https://www.openssl.org/~bodo/ssl-poodle.pdf

http://www.nessus.org/u?5d15ba70

https://www.imperialviolet.org/2014/10/14/poodle.html

https://tools.ietf.org/html/rfc7507

https://tools.ietf.org/html/rfc7568

## Solution

Consult the application's documentation to disable SSL 2.0 and 3.0.

Use TLS 1.2 (with approved cipher suites) or higher instead.

#### Risk Factor

#### Critical

# 9.8 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/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)

# Plugin Information

Published: 2005/10/12, Modified: 2022/04/04

# Plugin Output

# 192.168.50.101 (tcp/25/smtp)

52.100.30.101 (tcp/23/3111tp)					
- SSLv2 is enabled and the serv	ver supports at 1	east one cipher	î.		
Low Strength Ciphers (<= 64-)	bit key)				
Name	Code	KEX	Auth	Encryption	MAC
EXP-RC2-CBC-MD5 export		RSA(512)	RSA	RC2-CBC(40)	MD5
EXP-RC4-MD5 export		RSA(512)	RSA	RC4(40)	MD5
Medium Strength Ciphers (> 6	4-bit and < 112-b	it key, or 3DES	3)		
Name	Code	KEX	Auth		MAC
DES-CBC3-MD5		RSA	RSA	3DES-CBC(168)	MD5
High Strength Ciphers (>= 11	2-bit key)				
Name	Code	KEX	Auth	Encryption	MAC
RC4-MD5		RSA	RSA	RC4 (128)	MD5
The fields above are :					
{Tenable ciphername} {Cipher ID code} Kex={key exchange} Auth={authentication} Encrypt={symmetric encryption MAC={message authentication of {export flag}					
- SSLv3 is enabled and the ser Explanation: TLS 1.0 and SSL 3					
Low Strength Ciphers (<= 64-)	bit key)				
Name  EXP-EDH-RSA-DES-CBC-SHA	Code	KEX  DH(512)	Auth  RSA	Encryption DES-CBC(40)	MAC 
SHA1 export EDH-RSA-DES-CBC-SHA []		DH	RSA	DES-CBC(56)	SHA

```
- SSLv3 is enabled and the server supports at least one cipher.
Explanation: TLS 1.0 and SSL 3.0 cipher suites may be used with SSLv3
 Medium Strength Ciphers (> 64-bit and < 112-bit key, or 3DES)
                                                                                      MAC
   Name
                              Code
                                             KEX
                                                         Auth Encryption
                                                           3DES-CBC(168)
   EDH-RSA-DES-CBC3-SHA
                                                          RSA
SHA1
  DES-CBC3-SHA
                                              RSA
                                                          RSA
                                                                 3DES-CBC(168)
 High Strength Ciphers (>= 112-bit key)
                                             KEX
                                                          Auth Encryption
                                                                                      MAC
                                                          ----
                                                          RSA AES-CBC(128)
  DHE-RSA-AES128-SHA
                                              DH
SHA1
   DHE-RSA-AES256-SHA
                                              DH
                                                          RSA
                                                                 AES-CBC(256)
SHA1
                                                          RSA
                                                                 AES-CBC(128)
  AES128-SHA
                                              RSA
SHA1
                                                          RSA AES-CBC(256)
  AES256-SHA
                                              RSA
SHA1
                                                  RSA RC4(128)
  RC4 - SHA
                                              RSA
SHA1
The fields above are :
 {Tenable ciphername}
 {Cipher ID code}
 Kex={key exchange}
 Auth={authentication}
 Encrypt={symmetric encryption method}
 MAC={message authentication code}
 {export flag}
```

# 32321 (2) - Debian OpenSSH/OpenSSL Package Random Number Generator Weakness (SSL check)

Synopsis	
The remote SSL certificate uses a weak key.	
Description	
The remote x509 certificate on the remote SSL server has been generated on a Debian or Ubuni which contains a bug in the random number generator of its OpenSSL library.	:u system
The problem is due to a Debian packager removing nearly all sources of entropy in the remote v OpenSSL.	ersion of
An attacker can easily obtain the private part of the remote key and use this to decipher the remote set up a man in the middle attack.	ote session
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 SSL and OpenVPN key material should be re-generated.	, all SSH,
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: 2008/05/15, Modified: 2020/11/16

Plugin Output

192.168.50.101 (tcp/25/smtp)

# 11356 (1) - NFS Exported Share Information Disclosure

# Synopsis It is possible to access NFS shares on the remote host. Description At least one of the NFS shares exported by the remote server could be mounted by the scanning host. An attacker may be able to leverage this to read (and possibly write) files on remote host. Solution Configure NFS on the remote host so that only authorized hosts can mount its remote shares. Risk Factor Critical **VPR** Score 5.9 CVSS v2.0 Base Score 10.0 (CVSS2#AV:N/AC:L/Au:N/C:C/I:C/A:C) References CVE CVE-1999-0170 CVE CVE-1999-0211 CVE-1999-0554 CVE **Exploitable With** Metasploit (true) Plugin Information Published: 2003/03/12, Modified: 2018/09/17 Plugin Output

The following NFS shares could be mounted:

192.168.50.101 (udp/2049/rpc-nfs)

```
+ Contents of / :
 - .
- ..
- bin
 - boot
 - cdrom
  - dev
 - etc
- home
 - initrd
 - initrd.img
  - lib
 - lost+found
- media
- mnt
 - nohup.out
  - opt
 - proc
- root
- sbin
 - srv
  - sys
  - tmp
  - usr
  - var
- vmlinuz
```

# 32314 (1) - Debian OpenSSH/OpenSSL Package Random Number Generator Weakness

Synopsis	
The remote S	SSH host keys are weak.
Description	
	SSH host key has been generated on a Debian or Ubuntu system which contains a bug in the liber generator of its OpenSSL library.
The problem OpenSSL.	is due to a Debian packager removing nearly all sources of entropy in the remote version of
	an easily obtain the private part of the remote key and use this to set up decipher the remote t up a man in the middle attack.
See Also	
http://www.r	nessus.org/u?107f9bdc
http://www.r	nessus.org/u?f14f4224
Solution	
	cryptographic material generated on the remote host to be guessable. In particuliar, all SSH, nVPN key material should be re-generated.
Risk Factor	
Critical	
VPR Score	
7.4	
CVSS v2.0 Ba	ase Score
10.0 (CVSS2#	AV:N/AC:L/Au:N/C:C/I:C/A:C)
CVSS v2.0 Te	mporal 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

192.168.50.101 (tcp/22/ssh)

# 33850 (1) - 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: 2023/05/18

# Plugin Output

192.168.50.101 (tcp/0)

Ubuntu 8.04 support ended on 2011-05-12 (Desktop) / 2013-05-09 (Server). Upgrade to Ubuntu 21.04 / LTS 20.04 / LTS 18.04.

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

# 134862 (1) - Apache Tomcat AJP Connector Request Injection (Ghostcat)

# Synopsis There is a vulnerable AJP connector listening on the remote host. Description

A file read/inclusion vulnerability was found in AJP connector. A remote, unauthenticated attacker could exploit this vulnerability to read web application files from a vulnerable server. In instances where the vulnerable server allows file uploads, an attacker could upload malicious JavaServer Pages (JSP) code within a variety of file types and gain remote code execution (RCE).

#### See Also

http://www.nessus.org/u?8ebe6246

http://www.nessus.org/u?4e287adb

http://www.nessus.org/u?cbc3d54e

https://access.redhat.com/security/cve/CVE-2020-1745

https://access.redhat.com/solutions/4851251

http://www.nessus.org/u?dd218234

http://www.nessus.org/u?dd772531

http://www.nessus.org/u?2a01d6bf

http://www.nessus.org/u?3b5af27e

http://www.nessus.org/u?9dab109f

http://www.nessus.org/u?5eafcf70

# Solution

Update the AJP configuration to require authorization and/or upgrade the Tomcat server to 7.0.100, 8.5.51, 9.0.31 or later.

Risk Factor

High

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

9.4 (CVSS:3.0/E:H/RL:O/RC:C)

#### **VPR** Score

9.0

# CVSS v2.0 Base Score

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

## CVSS v2.0 Temporal Score

6.5 (CVSS2#E:H/RL:OF/RC:C)

#### References

CVE CVE-2020-1745 CVE CVE-2020-1938

XREF CISA-KNOWN-EXPLOITED:2022/03/17

XREF CEA-ID:CEA-2020-0021

## Plugin Information

Published: 2020/03/24, Modified: 2023/05/24

# Plugin Output

# 192.168.50.101 (tcp/8009/ajp13)

```
Nessus was able to exploit the issue using the following request :
0x0000: 02 02 00 08 48 54 54 50 2F 31 2E 31 00 00 0F 2F
                                                                      ....HTTP/1.1.../
0x0010: 61 73 64 66 2F 78 78 78 78 78 78 2E 6A 73 70 00 00 0x0020: 09 6C 6F 63 61 6C 68 6F 73 74 00 FF FF 00 09 6C
                                                                     asdf/xxxxx.jsp..
                                                                      .localhost....l
0x0030: 6F 63 61 6C 68 6F 73 74 00 00 50 00 00 09 A0 06
                                                                     ocalhost..P....
0x0040: 00 0A 6B 65 65 70 2D 61 6C 69 76 65 00 00 0F 41
                                                                     ..keep-alive...A
0x0050: 63 63 65 70 74 2D 4C 61 6E 67 75 61 67 65 00 00 ccept-Language..
0x0060: 0E 65 6E 2D 55 53 2C 65 6E 3B 71 3D 30 2E 35 00 0x0070: A0 08 00 01 30 00 00 0F 41 63 63 65 70 74 2D 45
                                                                   .en-US, en; q=0.5.
                                                                      ....0...Accept-E
0x0080: 6E 63 6F 64 69 6E 67 00 00 13 67 7A 69 70 2C 20
                                                                      ncoding...gzip,
0x0090: 64 65 66 6C 61 74 65 2C 20 73 64 63 68 00 00 0D deflate, sdch...
0x00A0: 43 61 63 68 65 2D 43 6F 6E 74 72 6F 6C 00 00 09 Cache-Control...
0x00B0: 6D 61 78 2D 61 67 65 3D 30 00 A0 0E 00 07 4D 6F max-age=0....Mo
                                                                    zilla...Upgrade-
0x00C0: 7A 69 6C 6C 61 00 00 19 55 70 67 72 61 64 65 2D 0x00D0: 49 6E 73 65 63 75 72 65 2D 52 65 71 75 65 73 74
                                                                      Insecure-Request
0x00E0: 73 00 00 01 31 00 A0 01 00 09 74 65 78 74 2F 68
                                                                     s...1....text/h
0x00F0: 74 6D 6C 00 A0 0B 00 09 6C 6F 63 61 6C 68 6F 73
                                                                     tml....localhos
0x0100: 74 00 0A 00 21 6A 61 76 61 78 2E 73 65 72 76 6C
                                                                     t...!javax.servl
0x0110: 65 74 2E 69 6E 63 6C 75 64 65 2E 72 65 71 75 65 0x0120: 73 74 5F 75 72 69 00 00 01 31 00 0A 00 1F 6A 61 0x0130: 76 61 78 2E 73 65 72 76 6C 65 74 2E 69 6E 63 6C
                                                                      et.include.reque
                                                                      st_uri...1....ja
                                                                      vax.servlet.incl
0x0140: 75 64 65 2E 70 61 74 68 5F 69 6E 66 6F 00 00 10
                                                                     ude.path_info...
0x0150: 2F 57 45 42 2D 49 4E 46 2F 77 65 62 2E 78 6D 6C /WEB-INF/web.xml
0x0160: 00 0A 00 22 6A 61 76 61 78 2E 73 65 72 76 6C 65
                                                                     ..."javax.servle
0x0170: 74 2E 69 6E 63 6C 75 64 65 2E 73 65 72 76 6C 65 0x0180: 74 5F 70 61 74 68 00 00 00 FF
                                                                      t.include.servle
                                                                      t_path....
```

This produced the following truncated output (limite  $[\ldots]$ 

# 42873 (2) - SSL Medium Strength Cipher Suites Supported (SWEET32)

Synopsis	
The remote service supports the use of medium strength SSL	ciphers.
Description	
The remote host supports the use of SSL ciphers that offer m medium strength as any encryption that uses key lengths at leuses the 3DES encryption suite.	
Note that it is considerably easier to circumvent medium stre physical network.	ength encryption if the attacker is on the same
See Also	
https://www.openssl.org/blog/blog/2016/08/24/sweet32/ https://sweet32.info	
Solution	
Reconfigure the affected application if possible to avoid use of	of medium strength ciphers.
Risk Factor	
Medium	
CVSS v3.0 Base Score	
7.5 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:N)	
VPR Score	
6.1	
CVSS v2.0 Base Score	
5.0 (CVSS2#AV:N/AC:L/Au:N/C:P/I:N/A:N)	
References	
CVE CVE-2016-2183	
Plugin Information	
Published: 2009/11/23, Modified: 2021/02/03	

## 192.168.50.101 (tcp/25/smtp)

```
Medium Strength Ciphers (> 64-bit and < 112-bit key, or 3DES)
                           Code
                                         KEX
                                                      Auth Encryption
                                                                                 MAC
   Name
                                                     RSA 3DES-CBC (168)
RSA 3DES-CBC (168)
                                                               -----
   DES-CBC3-MD5
                           0x07, 0x00, 0xC0 RSA
                                                                                  MD5
   EDH-RSA-DES-CBC3-SHA
                           0x00, 0x16
                                       DH
                           0x00, 0x1B DH None 3DES-CBC(168)
   ADH-DES-CBC3-SHA
SHA1
                           0x00, 0x0A RSA RSA 3DES-CBC(168)
   DES-CBC3-SHA
SHA1
The fields above are :
 {Tenable ciphername}
 {Cipher ID code}
 Kex={key exchange}
 Auth={authentication}
 Encrypt={symmetric encryption method}
 MAC={message authentication code}
 {export flag}
```

```
Medium Strength Ciphers (> 64-bit and < 112-bit key, or 3DES)
                                             KEX
                                                         Auth Encryption
                                                                                        MAC
   Name
                              Code
                             0x00, 0x16
                                                          RSA
                                                                  3DES-CBC(168)
   EDH-RSA-DES-CBC3-SHA
                                             DH
                                                                 3DES-CBC(168)
   DES-CBC3-SHA
                             0x00, 0x0A
                                             RSA
                                                          RSA
 SHA1
The fields above are :
 {Tenable ciphername}
 {Cipher ID code}
 Kex={key exchange}
 Auth={authentication}
 Encrypt={symmetric encryption method}
 MAC={message authentication code}
 {export flag}
```

# 42256 (1) - NFS Shares World Readable

The remote NFS server exports world-readable shares.

Description

The remote NFS server is exporting one or more shares without restricting access (based on hostname, IP, or IP range).

See Also

http://www.tldp.org/HOWTO/NFS-HOWTO/security.html

Solution

Place the appropriate restrictions on all NFS shares.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

Plugin Information

Published: 2009/10/26, Modified: 2020/05/05

Plugin Output

192.168.50.101 (tcp/2049/rpc-nfs)

The following shares have no access restrictions :  $\begin{tabular}{ll} / * \\ \end{tabular}$ 

# 90509 (1) - Samba Badlock Vulnerability

Synopsis
An SMB server running on the remote host is affected by the Badlock vulnerability.
Description
The version of Samba, a CIFS/SMB server for Linux and Unix, running on the remote host is affected by a flaw, known as Badlock, that exists in the Security Account Manager (SAM) and Local Security Authority (Domain Policy) (LSAD) protocols due to improper authentication level negotiation over Remote Procedure Call (RPC) channels. A man-in-the-middle attacker who is able to able to intercept the traffic between a client and a server hosting a SAM database can exploit this flaw to force a downgrade of the authentication level, which allows the execution of arbitrary Samba network calls in the context of the intercepted user, such as viewing or modifying sensitive security data in the Active Directory (AD) database or disabling critical services.
See Also
http://badlock.org
https://www.samba.org/samba/security/CVE-2016-2118.html
Solution
Upgrade to Samba version 4.2.11 / 4.3.8 / 4.4.2 or later.
Risk Factor
Medium
CVSS v3.0 Base Score
7.5 (CVSS:3.0/AV:N/AC:H/PR:N/UI:R/S:U/C:H/I:H/A:H)
CVSS v3.0 Temporal Score
6.5 (CVSS:3.0/E:U/RL:O/RC:C)
VPR Score
6.7
CVSS v2.0 Base Score
6.8 (CVSS2#AV:N/AC:M/Au:N/C:P/I:P/A:P)
CVSS v2.0 Temporal Score

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

# References

BID 86002

CVE CVE-2016-2118 XREF CERT:813296

# Plugin Information

Published: 2016/04/13, Modified: 2019/11/20

# Plugin Output

192.168.50.101 (tcp/445/cifs)

Nessus detected that the Samba Badlock patch has not been applied.

# 136769 (1) - ISC BIND Service Downgrade / Reflected DoS

Synopsis
The remote name server is affected by Service Downgrade / Reflected DoS vulnerabilities.
Description
According to its self-reported version, the instance of ISC BIND 9 running on the remote name server is affected by performance downgrade and Reflected DoS vulnerabilities. This is due to BIND DNS not sufficiently limiting the number fetches which may be performed while processing a referral response.
An unauthenticated, remote attacker can exploit this to cause degrade the service of the recursive server or to use the affected server as a reflector in a reflection attack.
See Also
https://kb.isc.org/docs/cve-2020-8616
Solution
Upgrade to the ISC BIND version referenced in the vendor advisory.
Risk Factor
Medium
CVSS v3.0 Base Score
8.6 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:C/C:N/I:N/A:H)
CVSS v3.0 Temporal Score
7.5 (CVSS:3.0/E:U/RL:O/RC:C)
VPR Score
5.2
CVSS v2.0 Base Score
5.0 (CVSS2#AV:N/AC:L/Au:N/C:N/I:N/A:P)
CVSS v2.0 Temporal Score
3.7 (CVSS2#E:U/RL:OF/RC:C)

# STIG Severity

ı

# References

CVE CVE-2020-8616 XREF IAVA:2020-A-0217-S

# Plugin Information

Published: 2020/05/22, Modified: 2020/06/26

# Plugin Output

192.168.50.101 (udp/53/dns)

Installed version : 9.4.2
Fixed version : 9.11.19

# 15901 (2) - SSL Certificate Expiry

# Synopsis

The remote server's SSL certificate has already expired.

# Description

This plugin checks expiry dates of certificates associated with SSL- enabled services on the target and reports whether any have already expired.

#### Solution

Purchase or generate a new SSL certificate to replace the existing one.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

Plugin Information

Published: 2004/12/03, Modified: 2021/02/03

# Plugin Output

192.168.50.101 (tcp/25/smtp)

```
The SSL certificate has already expired:

Subject : C=XX, ST=There is no such thing outside US, L=Everywhere, O=OCOSA, OU=Office for Complication of Otherwise Simple Affairs, CN=ubuntu804-base.localdomain, emailAddress=root@ubuntu804-base.localdomain

Issuer : C=XX, ST=There is no such thing outside US, L=Everywhere, O=OCOSA, OU=Office for Complication of Otherwise Simple Affairs, CN=ubuntu804-base.localdomain, emailAddress=root@ubuntu804-base.localdomain

Not valid before : Mar 17 14:07:45 2010 GMT

Not valid after : Apr 16 14:07:45 2010 GMT
```

```
The SSL certificate has already expired :
```

Subject : C=XX, ST=There is no such thing outside US, L=Everywhere, O=OCOSA, OU=Office for Complication of Otherwise Simple Affairs, CN=ubuntu804-base.localdomain, emailAddress=root@ubuntu804-base.localdomain

Issuer : C=XX, ST=There is no such thing outside US, L=Everywhere, O=OCOSA, OU=Office for Complication of Otherwise Simple Affairs, CN=ubuntu804-base.localdomain, emailAddress=root@ubuntu804-base.localdomain

Not valid before : Mar 17 14:07:45 2010 GMT Not valid after : Apr 16 14:07:45 2010 GMT

# 45411 (2) - SSL Certificate with Wrong Hostname

Synopsis

The SSL certificate for this service is for a different host.

Description

The 'commonName' (CN) attribute of the SSL certificate presented for this service is for a different machine.

Solution

Purchase or generate a proper SSL certificate for this service.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

Plugin Information

Published: 2010/04/03, Modified: 2020/04/27

Plugin Output

192.168.50.101 (tcp/25/smtp)

```
The identities known by Nessus are:

192.168.50.101
192.168.50.101

The Common Name in the certificate is:

ubuntu804-base.localdomain
```

```
The identities known by Nessus are:
192.168.50.101
192.168.50.101
```

The Common Name in the certificate is :

ubuntu804-base.localdomain

# 51192 (2) - SSL Certificate Cannot Be Trusted

# Synopsis

The SSL certificate for this service cannot be trusted.

# Description

The server's X.509 certificate cannot be trusted. This situation can occur in three different ways, in which the chain of trust can be broken, as stated below:

- First, the top of the certificate chain sent by the server might not be descended from a known public certificate authority. This can occur either when the top of the chain is an unrecognized, self-signed certificate, or when intermediate certificates are missing that would connect the top of the certificate chain to a known public certificate authority.
- Second, the certificate chain may contain a certificate that is not valid at the time of the scan. This can occur either when the scan occurs before one of the certificate's 'notBefore' dates, or after one of the certificate's 'notAfter' dates.
- Third, the certificate chain may contain a signature that either didn't match the certificate's information or could not be verified. Bad signatures can be fixed by getting the certificate with the bad signature to be re-signed by its issuer. Signatures that could not be verified are the result of the certificate's issuer using a signing algorithm that Nessus either does not support or does not recognize.

If the remote host is a public host in production, any break in the chain makes it more difficult for users to verify the authenticity and identity of the web server. This could make it easier to carry out man-in-the-middle attacks against the remote host.

#### See Also

https://www.itu.int/rec/T-REC-X.509/en

https://en.wikipedia.org/wiki/X.509

# Solution

Purchase or generate a proper SSL certificate for this service.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

## Plugin Information

Published: 2010/12/15, Modified: 2020/04/27

# Plugin Output

# 192.168.50.101 (tcp/25/smtp)

```
The following certificate was part of the certificate chain sent by the remote host, but it has expired:

|-Subject : C=XX/ST=There is no such thing outside US/L=Everywhere/O=OCOSA/OU=Office for Complication of Otherwise Simple Affairs/CN=ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain
|-Not After : Apr 16 14:07:45 2010 GMT

The following certificate was at the top of the certificate chain sent by the remote host, but it is signed by an unknown certificate authority:

|-Subject : C=XX/ST=There is no such thing outside US/L=Everywhere/O=OCOSA/OU=Office for Complication of Otherwise Simple Affairs/CN=ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain
|-Issuer : C=XX/ST=There is no such thing outside US/L=Everywhere/O=OCOSA/OU=Office for Complication of Otherwise Simple Affairs/CN=ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain
```

```
The following certificate was part of the certificate chain sent by the remote host, but it has expired:

|-Subject : C=XX/ST=There is no such thing outside US/L=Everywhere/O=OCOSA/OU=Office for Complication of Otherwise Simple Affairs/CN=ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain
|-Not After : Apr 16 14:07:45 2010 GMT

The following certificate was at the top of the certificate chain sent by the remote host, but it is signed by an unknown certificate authority:

|-Subject : C=XX/ST=There is no such thing outside US/L=Everywhere/O=OCOSA/OU=Office for Complication of Otherwise Simple Affairs/CN=ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain
|-Issuer : C=XX/ST=There is no such thing outside US/L=Everywhere/O=OCOSA/OU=Office for Complication of Otherwise Simple Affairs/CN=ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain/E=root@ubuntu804-
```

# 57582 (2) - SSL Self-Signed Certificate

# Synopsis

The SSL certificate chain for this service ends in an unrecognized self-signed certificate.

# Description

The X.509 certificate chain for this service is not signed by a recognized certificate authority. If the remote host is a public host in production, this nullifies the use of SSL as anyone could establish a man-in-the-middle attack against the remote host.

Note that this plugin does not check for certificate chains that end in a certificate that is not self-signed, but is signed by an unrecognized certificate authority.

#### Solution

Purchase or generate a proper SSL certificate for this service.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

Plugin Information

Published: 2012/01/17, Modified: 2022/06/14

Plugin Output

192.168.50.101 (tcp/25/smtp)

The following certificate was found at the top of the certificate chain sent by the remote host, but is self-signed and was not found in the list of known certificate authorities:

|-Subject : C=XX/ST=There is no such thing outside US/L=Everywhere/O=OCOSA/OU=Office for Complication of Otherwise Simple Affairs/CN=ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain

The following certificate was found at the top of the certificate chain sent by the remote host, but is self-signed and was not found in the list of known certificate authorities:

 $|\mbox{-Subject: C=XX/ST=There is no such thing outside US/L=Everywhere/O=OCOSA/OU=Office for Complication of Otherwise Simple Affairs/CN=ubuntu804-base.localdomain/E=root@ubuntu804-base.localdomain} \\$ 

# 65821 (2) - SSL RC4 Cipher Suites Supported (Bar Mitzvah)

# **Synopsis** The remote service supports the use of the RC4 cipher. Description The remote host supports the use of RC4 in one or more cipher suites. The RC4 cipher is flawed in its generation of a pseudo-random stream of bytes so that a wide variety of small biases are introduced into the stream, decreasing its randomness. If plaintext is repeatedly encrypted (e.g., HTTP cookies), and an attacker is able to obtain many (i.e., tens of millions) ciphertexts, the attacker may be able to derive the plaintext. See Also https://www.rc4nomore.com/ http://www.nessus.org/u?ac7327a0 http://cr.yp.to/talks/2013.03.12/slides.pdf http://www.isg.rhul.ac.uk/tls/ https://www.imperva.com/docs/HII\_Attacking\_SSL\_when\_using\_RC4.pdf Solution Reconfigure the affected application, if possible, to avoid use of RC4 ciphers. Consider using TLS 1.2 with AES-GCM suites subject to browser and web server support. Risk Factor Medium CVSS v3.0 Base Score 5.9 (CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:N/A:N) CVSS v3.0 Temporal Score 5.4 (CVSS:3.0/E:U/RL:X/RC:C) **VPR** Score 3.6 CVSS v2.0 Base Score 4.3 (CVSS2#AV:N/AC:M/Au:N/C:P/I:N/A:N)

# 78479 (2) - SSLv3 Padding Oracle On Downgraded Legacy Encryption Vulnerability (POODLE)

# **Synopsis**

It is possible to obtain sensitive information from the remote host with SSL/TLS-enabled services.

# Description

The remote host is affected by a man-in-the-middle (MitM) information disclosure vulnerability known as POODLE. The vulnerability is due to the way SSL 3.0 handles padding bytes when decrypting messages encrypted using block ciphers in cipher block chaining (CBC) mode.

MitM attackers can decrypt a selected byte of a cipher text in as few as 256 tries if they are able to force a victim application to repeatedly send the same data over newly created SSL 3.0 connections.

As long as a client and service both support SSLv3, a connection can be 'rolled back' to SSLv3, even if TLSv1 or newer is supported by the client and service.

The TLS Fallback SCSV mechanism prevents 'version rollback' attacks without impacting legacy clients; however, it can only protect connections when the client and service support the mechanism. Sites that cannot disable SSLv3 immediately should enable this mechanism.

This is a vulnerability in the SSLv3 specification, not in any particular SSL implementation. Disabling SSLv3 is the only way to completely mitigate the vulnerability.

#### See Also

https://www.imperialviolet.org/2014/10/14/poodle.html

https://www.openssl.org/~bodo/ssl-poodle.pdf

https://tools.ietf.org/html/draft-ietf-tls-downgrade-scsv-00

# Solution

Disable SSLv3.

Services that must support SSLv3 should enable the TLS Fallback SCSV mechanism until SSLv3 can be disabled.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

5.9 (CVSS:3.0/E:U/RL:O/RC:C)

#### **VPR** Score

5.3

#### CVSS v2.0 Base Score

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

#### CVSS v2.0 Temporal Score

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

#### References

BID 70574

CVE CVE-2014-3566 XREF CERT:577193

#### Plugin Information

Published: 2014/10/15, Modified: 2020/06/12

#### Plugin Output

#### 192.168.50.101 (tcp/25/smtp)

Nessus determined that the remote server supports SSLv3 with at least one CBC cipher suite, indicating that this server is vulnerable.

It appears that TLSv1 or newer is supported on the server. However, the Fallback SCSV mechanism is not supported, allowing connections to be "rolled back" to SSLv3.

#### 192.168.50.101 (tcp/5432/postgresql)

Nessus determined that the remote server supports SSLv3 with at least one CBC cipher suite, indicating that this server is vulnerable.

It appears that TLSv1 or newer is supported on the server. However, the Fallback SCSV mechanism is not supported, allowing connections to be "rolled back" to SSLv3.

## 104743 (2) - TLS Version 1.0 Protocol Detection

#### Synopsis

The remote service encrypts traffic using an older version of TLS.

#### Description

The remote service accepts connections encrypted using TLS 1.0. TLS 1.0 has a number of cryptographic design flaws. Modern implementations of TLS 1.0 mitigate these problems, but newer versions of TLS like 1.2 and 1.3 are designed against these flaws and should be used whenever possible.

As of March 31, 2020, Endpoints that aren't enabled for TLS 1.2 and higher will no longer function properly with major web browsers and major vendors.

PCI DSS v3.2 requires that TLS 1.0 be disabled entirely by June 30, 2018, except for POS POI terminals (and the SSL/TLS termination points to which they connect) that can be verified as not being susceptible to any known exploits.

#### See Also

https://tools.ietf.org/html/draft-ietf-tls-oldversions-deprecate-00

#### Solution

Enable support for TLS 1.2 and 1.3, and disable support for TLS 1.0.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

References

XREF CWE:327

Plugin Information

Published: 2017/11/22, Modified: 2023/04/19

#### Plugin Output

### 192.168.50.101 (tcp/25/smtp)

 ${\tt TLSv1}$  is enabled and the server supports at least one cipher.

# 192.168.50.101 (tcp/5432/postgresql)

TLSv1 is enabled and the server supports at least one cipher.

# 11213 (1) - HTTP TRACE / TRACK Methods Allowed

Synopsis
Debugging functions are enabled on the remote web server.
Description
The remote web server supports the TRACE and/or TRACK methods. TRACE and TRACK are HTTP methods that are used to debug web server connections.
See Also
https://www.cgisecurity.com/whitehat-mirror/WH-WhitePaper_XST_ebook.pdf
http://www.apacheweek.com/issues/03-01-24
https://download.oracle.com/sunalerts/1000718.1.html
Solution
Disable these HTTP methods. Refer to the plugin output for more information.
Risk Factor
Medium
CVSS v3.0 Base Score
5.3 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:N)
CVSS v3.0 Temporal Score
4.6 (CVSS:3.0/E:U/RL:O/RC:C)
VPR Score
4.0
CVSS v2.0 Base Score
5.0 (CVSS2#AV:N/AC:L/Au:N/C:P/I:N/A:N)
CVSS v2.0 Temporal Score
3.7 (CVSS2#E:U/RL:OF/RC:C)
References

# 26928 (1) - SSL Weak Cipher Suites Supported

## Synopsis

The remote service supports the use of weak SSL ciphers.

#### Description

The remote host supports the use of SSL ciphers that offer weak encryption.

Note: This is considerably easier to exploit if the attacker is on the same physical network.

#### See Also

http://www.nessus.org/u?6527892d

#### Solution

Reconfigure the affected application, if possible to avoid the use of weak ciphers.

#### Risk Factor

Medium

#### CVSS v3.0 Base Score

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

#### CVSS v2.0 Base Score

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

#### References

XREF	CWE:326
XREF	CWE:327
XREF	CWE:720
XREF	CWE:753
XREF	CWE:803
XREF	CWE:928
XREF	CWE:934

#### Plugin Information

Published: 2007/10/08, Modified: 2021/02/03

# 31705 (1) - SSL Anonymous Cipher Suites Supported

Synopsis
The remote service supports the use of anonymous SSL ciphers.
Description
The remote host supports the use of anonymous SSL ciphers. While this enables an administrator to set up a service that encrypts traffic without having to generate and configure SSL certificates, it offers no way to verify the remote host's identity and renders the service vulnerable to a man-in-the-middle attack.
Note: This is considerably easier to exploit if the attacker is on the same physical network.
See Also
http://www.nessus.org/u?3a040ada
Solution
Reconfigure the affected application if possible to avoid use of weak ciphers.
Risk Factor
Low
CVSS v3.0 Base Score
5.9 (CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:N/A:N)
CVSS v3.0 Temporal Score
5.2 (CVSS:3.0/E:U/RL:O/RC:C)
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

## 52611 (1) - SMTP Service STARTTLS Plaintext Command Injection

#### Synopsis

The remote mail service allows plaintext command injection while negotiating an encrypted communications channel.

#### Description

The remote SMTP service contains a software flaw in its STARTTLS implementation that could allow a remote, unauthenticated attacker to inject commands during the plaintext protocol phase that will be executed during the ciphertext protocol phase.

Successful exploitation could allow an attacker to steal a victim's email or associated SASL (Simple Authentication and Security Layer) credentials.

#### See Also

https://tools.ietf.org/html/rfc2487

https://www.securityfocus.com/archive/1/516901/30/0/threaded

#### Solution

Contact the vendor to see if an update is available.

#### Risk Factor

Medium

#### **VPR** Score

6.3

#### CVSS v2.0 Base Score

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

#### CVSS v2.0 Temporal Score

3.1 (CVSS2#E:POC/RL:OF/RC:C)

#### References

BID	46/6/
CVE	CVE-2011-0411
CVE	CVE-2011-1430
CVF	CVF-2011-1431

## 57608 (1) - SMB Signing not required

#### Synopsis

Signing is not required on the remote SMB server.

#### Description

Signing is not required on the remote SMB server. An unauthenticated, remote attacker can exploit this to conduct man-in-the-middle attacks against the SMB server.

#### See Also

http://www.nessus.org/u?df39b8b3

http://technet.microsoft.com/en-us/library/cc731957.aspx

http://www.nessus.org/u?74b80723

https://www.samba.org/samba/docs/current/man-html/smb.conf.5.html

http://www.nessus.org/u?a3cac4ea

#### Solution

Enforce message signing in the host's configuration. On Windows, this is found in the policy setting 'Microsoft network server: Digitally sign communications (always)'. On Samba, the setting is called 'server signing'. See the 'see also' links for further details.

#### Risk Factor

Medium

#### CVSS v3.0 Base Score

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

#### CVSS v3.0 Temporal Score

4.6 (CVSS:3.0/E:U/RL:O/RC:C)

#### CVSS v2.0 Base Score

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

#### CVSS v2.0 Temporal Score

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

#### Plugin Information

# 81606 (1) - SSL/TLS EXPORT\_RSA <= 512-bit Cipher Suites Supported (FREAK)

Synopsis
The remote host supports a set of weak ciphers.
Description
The remote host supports EXPORT_RSA cipher suites with keys less than or equal to 512 bits. An attacker can factor a 512-bit RSA modulus in a short amount of time.
A man-in-the middle attacker may be able to downgrade the session to use EXPORT_RSA cipher suites (e.g CVE-2015-0204). Thus, it is recommended to remove support for weak cipher suites.
See Also
https://www.smacktls.com/#freak
https://www.openssl.org/news/secadv/20150108.txt
http://www.nessus.org/u?b78da2c4
Solution
Reconfigure the service to remove support for EXPORT_RSA cipher suites.
Risk Factor
Medium
VPR Score
4.5
CVSS v2.0 Base Score
4.3 (CVSS2#AV:N/AC:M/Au:N/C:N/I:P/A:N)
CVSS v2.0 Temporal Score
3.2 (CVSS2#E:U/RL:OF/RC:C)
References
BID 71936

CVE-2015-0204

CERT:243585

CVE

XREF

# 89058 (1) - SSL DROWN Attack Vulnerability (Decrypting RSA with Obsolete and Weakened eNcryption)

Synopsis
The remote host may be affected by a vulnerability that allows a remote attacker to potentially decrypt captured TLS traffic.
Description
The remote host supports SSLv2 and therefore may be affected by a vulnerability that allows a cross-protocol Bleichenbacher padding oracle attack known as DROWN (Decrypting RSA with Obsolete and Weakened eNcryption). This vulnerability exists due to a flaw in the Secure Sockets Layer Version 2 (SSLv2) implementation, and it allows captured TLS traffic to be decrypted. A man-in-the-middle attacker can exploit this to decrypt the TLS connection by utilizing previously captured traffic and weak cryptography along with a series of specially crafted connections to an SSLv2 server that uses the same private key.
See Also
https://drownattack.com/ https://drownattack.com/drown-attack-paper.pdf
Solution
Disable SSLv2 and export grade cryptography cipher suites. Ensure that private keys are not used anywhere with server software that supports SSLv2 connections.
Risk Factor
Medium
CVSS v3.0 Base Score
5.9 (CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:N/A:N)
CVSS v3.0 Temporal Score
5.2 (CVSS:3.0/E:U/RL:O/RC:C)
VPR Score
4.4
CVSS v2.0 Base Score
4.3 (CVSS2#AV:N/AC:M/Au:N/C:P/I:N/A:N)

# 90317 (1) - 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

#### 192.168.50.101 (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
arcfour
arcfour128
arcfour256
```

# 136808 (1) - ISC BIND Denial of Service

Synopsis
The remote name server is affected by an assertion failure vulnerability.
Description
A denial of service (DoS) vulnerability exists in ISC BIND versions 9.11.18 / 9.11.18-S1 / 9.12.4-P2 / 9.13 / 9.14.11 / 9.15 / 9.16.2 / 9.17 / 9.17.1 and earlier. An unauthenticated, remote attacker can exploit this issue, via a specially-crafted message, to cause the service to stop responding.
Note that Nessus has not tested for this issue but has instead relied only on the application's self-reported version number.
See Also
https://kb.isc.org/docs/cve-2020-8617
Solution
Upgrade to the patched release most closely related to your current version of BIND.
Risk Factor
Medium
CVSS v3.0 Base Score
5.9 (CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:N/A:H)
CVSS v3.0 Temporal Score
5.3 (CVSS:3.0/E:P/RL:O/RC:C)
VPR Score
5.1
CVSS v2.0 Base Score
4.3 (CVSS2#AV:N/AC:M/Au:N/C:N/I:N/A:P)
CVSS v2.0 Temporal Score
3.4 (CVSS2#E:POC/RL:OF/RC:C)

# 139915 (1) - ISC BIND 9.x < 9.11.22, 9.12.x < 9.16.6, 9.17.x < 9.17.4 DoS

Synopsis
The remote name server is affected by a denial of service vulnerability.
Description
According to its self-reported version number, the installation of ISC BIND running on the remote name server is version 9.x prior to 9.11.22, 9.12.x prior to 9.16.6 or 9.17.x prior to 9.17.4. It is, therefore, affected by a denial of service (DoS) vulnerability due to an assertion failure when attempting to verify a truncated response to a TSIG-signed request. An authenticated, remote attacker can exploit this issue by sending a truncated response to a TSIG-signed request to trigger an assertion failure, causing the server to exit.
Note that Nessus has not tested for this issue but has instead relied only on the application's self-reported version number.
See Also
https://kb.isc.org/docs/cve-2020-8622
Solution
Upgrade to BIND 9.11.22, 9.16.6, 9.17.4 or later.
Risk Factor
Medium
CVSS v3.0 Base Score
6.5 (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H)
CVSS v3.0 Temporal Score
5.7 (CVSS:3.0/E:U/RL:O/RC:C)
VPR Score
3.6
CVSS v2.0 Base Score
4.0 (CVSS2#AV:N/AC:L/Au:S/C:N/I:N/A:P)
CVSS v2.0 Temporal Score
3.0 (CVSS2#E:U/RL:OF/RC:C)

#### 10407 (1) - X Server Detection

#### Synopsis

An X11 server is listening on the remote host

#### Description

The remote host is running an X11 server. X11 is a client-server protocol that can be used to display graphical applications running on a given host on a remote client.

Since the X11 traffic is not ciphered, it is possible for an attacker to eavesdrop on the connection.

#### Solution

Restrict access to this port. If the X11 client/server facility is not used, disable TCP support in X11 entirely (nolisten tcp).

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: 2000/05/12, Modified: 2019/03/05

Plugin Output

192.168.50.101 (tcp/6000/x11)

X11 Version : 11.0

10407 (1) - X Server Detection