

# Scan Report

September 5, 2024

## Summary

This document reports on the results of an automatic security scan. All dates are displayed using the timezone “Coordinated Universal Time”, which is abbreviated “UTC”. The task was “Immediate scan of IP 10.0.2.4”. The scan started at Thu Sep 5 17:46:21 2024 UTC and ended at Thu Sep 5 18:19:11 2024 UTC. The report first summarises the results found. Then, for each host, the report describes every issue found. Please consider the advice given in each description, in order to rectify the issue.

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## Result Overview

Host	High	Medium	Low	Log	False Positive
<a href="#">10.0.2.4</a>	17	33	3	0	0
Total: 1	17	33	3	0	0

Vendor security updates are not trusted.

Overrides are on. When a result has an override, this report uses the threat of the override.

Information on overrides is included in the report.

Notes are included in the report.

This report might not show details of all issues that were found.

It only lists hosts that produced issues.

Issues with the threat level “Log” are not shown.

Issues with the threat level “Debug” are not shown.

Issues with the threat level “False Positive” are not shown.

Only results with a minimum QoD of 70 are shown.

This report contains all 53 results selected by the filtering described above. Before filtering there were 382 results.

## Host Authentications

Host	Protocol	Result	Port/User
10.0.2.4	SMB	Success	Protocol SMB, Port 445, User

## Results per Host

### 10.0.2.4

Host scan start Thu Sep 5 17:46:47 2024 UTC

Host scan end Thu Sep 5 18:19:10 2024 UTC

Service (Port)	Threat Level
<a href="#">8787/tcp</a>	High
<a href="#">6667/tcp</a>	High
<a href="#">3632/tcp</a>	High
<a href="#">80/tcp</a>	High
<a href="#">21/tcp</a>	High
<a href="#">514/tcp</a>	High
<a href="#">general/tcp</a>	High
<a href="#">5900/tcp</a>	High
<a href="#">6200/tcp</a>	High
<a href="#">1524/tcp</a>	High

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Service (Port)	Threat Level
512/tcp	High
22/tcp	High
5432/tcp	High
6667/tcp	Medium
80/tcp	Medium
21/tcp	Medium
25/tcp	Medium
5900/tcp	Medium
2121/tcp	Medium
22/tcp	Medium
5432/tcp	Medium
80/tcp	Low
general/tcp	Low
22/tcp	Low

**High 8787/tcp**

High (CVSS: 10.0)  
 NVT: Distributed Ruby (dRuby/DRb) Multiple Remote Code Execution Vulnerabilities

**Summary**

Systems using Distributed Ruby (dRuby/DRb), which is available in Ruby versions 1.6 and later, may permit unauthorized systems to execute distributed commands.

**Vulnerability Detection Result**

The service is running in \$SAFE >= 1 mode. However it is still possible to run a ↵rbbitrary syscall commands on the remote host. Sending an invalid syscall the s ↵ervice returned the following response:

```
Flo:Errno::ENOSYS:bt["3/usr/lib/ruby/1.8/drb/drb.rb:1555:in 'syscall'"0/usr/lib/
↵ruby/1.8/drb/drb.rb:1555:in 'send'"4/usr/lib/ruby/1.8/drb/drb.rb:1555:in '__se
↵nd__'"A/usr/lib/ruby/1.8/drb/drb.rb:1555:in 'perform_without_block'"3/usr/lib/
↵ruby/1.8/drb/drb.rb:1515:in 'perform'"5/usr/lib/ruby/1.8/drb/drb.rb:1589:in 'm
↵ain_loop'"0/usr/lib/ruby/1.8/drb/drb.rb:1585:in 'loop'"5/usr/lib/ruby/1.8/drb/
↵drb.rb:1585:in 'main_loop'"1/usr/lib/ruby/1.8/drb/drb.rb:1581:in 'start'"5/usr
↵/lib/ruby/1.8/drb/drb.rb:1581:in 'main_loop'"/usr/lib/ruby/1.8/drb/drb.rb:143
↵0:in 'run'"1/usr/lib/ruby/1.8/drb/drb.rb:1427:in 'start'"/usr/lib/ruby/1.8/dr
↵b/drb.rb:1427:in 'run'"6/usr/lib/ruby/1.8/drb/drb.rb:1347:in 'initialize'"/us
↵r/lib/ruby/1.8/drb/drb.rb:1627:in 'new'"9/usr/lib/ruby/1.8/drb/drb.rb:1627:in
↵'start_service'"/usr/sbin/druby_timeserver.rb:12:errnoi+:mesg"Function not im
↵plemented
```

**Impact**

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By default, Distributed Ruby does not impose restrictions on allowed hosts or set the \$SAFE environment variable to prevent privileged activities. If other controls are not in place, especially if the Distributed Ruby process runs with elevated privileges, an attacker could execute arbitrary system commands or Ruby scripts on the Distributed Ruby server. An attacker may need to know only the URI of the listening Distributed Ruby server to submit Ruby commands.
<b>Solution</b> <b>Solution type:</b> Mitigation Administrators of environments that rely on Distributed Ruby should ensure that appropriate controls are in place. Code-level controls may include: - Implementing taint on untrusted input - Setting \$SAFE levels appropriately ( $\geq 2$ is recommended if untrusted hosts are allowed to submit Ruby commands, and $\geq 3$ may be appropriate) - Including drb/acl.rb to set ACLEntry to restrict access to trusted hosts
<b>Vulnerability Detection Method</b> Send a crafted command to the service and check for a remote command execution via the instance_eval or syscall requests. Details: Distributed Ruby (dRuby/DRb) Multiple Remote Code Execution Vulnerabilities OID:1.3.6.1.4.1.25623.1.0.108010 Version used: \$Revision: 12338 \$
<b>References</b> BID:47071 Other: URL:https://tools.cisco.com/security/center/viewAlert.x?alertId=22750 URL:http://www.securityfocus.com/bid/47071 URL:http://blog.recurity-labs.com/archives/2011/05/12/druby_for_penetration_testing/ URL:http://www.ruby-doc.org/stdlib-1.9.3/libdoc/drb/rdoc/DRb.html

[\[ return to 10.0.2.4 \]](#)

## High 6667/tcp

High (CVSS: 7.5) NVT: Check for Backdoor in UnrealIRCd
<b>Summary</b> Detection of backdoor in UnrealIRCd.
<b>Vulnerability Detection Result</b> Vulnerability was detected according to the Vulnerability Detection Method.
<b>Solution</b> <b>Solution type:</b> VendorFix ... continues on next page ...

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Install latest version of unrealircd and check signatures of software you're installing.
<b>Vulnerability Insight</b> Remote attackers can exploit this issue to execute arbitrary system commands within the context of the affected application. The issue affects Unreal 3.2.8.1 for Linux. Reportedly package Unreal3.2.8.1.tar.gz downloaded in November 2009 and later is affected. The MD5 sum of the affected file is 752e46f2d873c1679fa99de3f52a274d. Files with MD5 sum of 7b741e94e867c0a7370553fd01506c66 are not affected.
<b>Vulnerability Detection Method</b> Details: Check for Backdoor in UnrealIRCd OID:1.3.6.1.4.1.25623.1.0.80111 Version used: \$Revision: 13960 \$
<b>References</b> CVE: CVE-2010-2075 BID:40820 Other: URL:http://www.unrealircd.com/txt/unrealsecadvisory.20100612.txt URL:http://seclists.org/fulldisclosure/2010/Jun/277 URL:http://www.securityfocus.com/bid/40820

[\[ return to 10.0.2.4 \]](#)

## High 3632/tcp

High (CVSS: 9.3) NVT: DistCC Remote Code Execution Vulnerability
<b>Summary</b> DistCC 2.x, as used in XCode 1.5 and others, when not configured to restrict access to the server port, allows remote attackers to execute arbitrary commands via compilation jobs, which are executed by the server without authorization checks.
<b>Vulnerability Detection Result</b> It was possible to execute the "id" command. Result: uid=1(daemon) gid=1(daemon)
<b>Impact</b> DistCC by default trusts its clients completely that in turn could allow a malicious client to execute arbitrary commands on the server.
<b>Solution</b> <b>Solution type:</b> VendorFix Vendor updates are available. Please see the references for more information.
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For more information about DistCC's security see the references.
<b>Vulnerability Detection Method</b> Details: DistCC Remote Code Execution Vulnerability OID:1.3.6.1.4.1.25623.1.0.103553 Version used: \$Revision: 12032 \$
<b>References</b> CVE: CVE-2004-2687 Other: URL:https://distcc.github.io/security.html URL:https://web.archive.org/web/20150511045306/http://archives.neohapsis.com: ↪80/archives/bugtraq/2005-03/0183.html

[\[ return to 10.0.2.4 \]](#)

## High 80/tcp

High (CVSS: 10.0) NVT: TWiki XSS and Command Execution Vulnerabilities
<b>Product detection result</b> cpe:/a:twiki:twiki:01.Feb.2003 Detected by TWiki Version Detection (OID: 1.3.6.1.4.1.25623.1.0.800399)
<b>Summary</b> The host is running TWiki and is prone to Cross-Site Scripting (XSS) and Command Execution Vulnerabilities.
<b>Vulnerability Detection Result</b> Installed version: 01.Feb.2003 Fixed version: 4.2.4
<b>Impact</b> Successful exploitation could allow execution of arbitrary script code or commands. This could let attackers steal cookie-based authentication credentials or compromise the affected application.
<b>Solution</b> <b>Solution type:</b> VendorFix Upgrade to version 4.2.4 or later.
<b>Affected Software/OS</b> TWiki, TWiki version prior to 4.2.4.
<b>Vulnerability Insight</b> ... continues on next page ...

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<p>The flaws are due to,</p> <ul style="list-style-type: none"> <li>- %URLPARAM}% variable is not properly sanitized which lets attackers conduct cross-site scripting attack.</li> <li>- %SEARCH}% variable is not properly sanitised before being used in an eval() call which lets the attackers execute perl code through eval injection attack.</li> </ul>
<p><b>Vulnerability Detection Method</b>  Details: TWiki XSS and Command Execution Vulnerabilities  OID:1.3.6.1.4.1.25623.1.0.800320  Version used: \$Revision: 12952 \$</p>
<p><b>Product Detection Result</b>  Product: cpe:/a:twiki:twiki:01.Feb.2003  Method: TWiki Version Detection  OID: 1.3.6.1.4.1.25623.1.0.800399)</p>
<p><b>References</b>  CVE: CVE-2008-5304, CVE-2008-5305  BID:32668, 32669  Other:  URL:http://twiki.org/cgi-bin/view/Codev.SecurityAlert-CVE-2008-5304  URL:http://twiki.org/cgi-bin/view/Codev/SecurityAlert-CVE-2008-5305</p>

<p>High (CVSS: 7.5)  NVT: Tiki Wiki CMS Groupware &lt; 4.2 Multiple Unspecified Vulnerabilities</p>
<p><b>Product detection result</b>  cpe:/a:tiki:tikiwiki_cms/groupware:1.9.5  Detected by Tiki Wiki CMS Groupware Version Detection (OID: 1.3.6.1.4.1.25623.1.↪0.901001)</p>
<p><b>Summary</b>  Tiki Wiki CMS Groupware is prone to multiple unspecified vulnerabilities, including:</p> <ul style="list-style-type: none"> <li>- An unspecified SQL-injection vulnerability</li> <li>- An unspecified authentication-bypass vulnerability</li> <li>- An unspecified vulnerability</li> </ul>
<p><b>Vulnerability Detection Result</b>  Installed version: 1.9.5  Fixed version: 4.2</p>
<p><b>Impact</b></p>
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Exploiting these issues could allow an attacker to compromise the application, access or modify data, exploit latent vulnerabilities in the underlying database, and gain unauthorized access to the affected application. Other attacks are also possible.
<b>Solution</b> <b>Solution type:</b> VendorFix The vendor has released an advisory and fixes. Please see the references for details.
<b>Affected Software/OS</b> Versions prior to Tiki Wiki CMS Groupware 4.2 are vulnerable.
<b>Vulnerability Detection Method</b> Details: Tiki Wiki CMS Groupware < 4.2 Multiple Unspecified Vulnerabilities OID:1.3.6.1.4.1.25623.1.0.100537 Version used: \$Revision: 13960 \$
<b>Product Detection Result</b> Product: cpe:/a:tiki:tikiwiki_cms/groupware:1.9.5 Method: Tiki Wiki CMS Groupware Version Detection OID: 1.3.6.1.4.1.25623.1.0.901001)
<b>References</b> CVE: CVE-2010-1135, CVE-2010-1134, CVE-2010-1133, CVE-2010-1136 BID:38608 Other: URL:http://www.securityfocus.com/bid/38608 URL:http://tikiwiki.svn.sourceforge.net/viewvc/tikiwiki?view=rev&revision=247 ↪34 URL:http://tikiwiki.svn.sourceforge.net/viewvc/tikiwiki?view=rev&revision=250 ↪46 URL:http://tikiwiki.svn.sourceforge.net/viewvc/tikiwiki?view=rev&revision=254 ↪24 URL:http://tikiwiki.svn.sourceforge.net/viewvc/tikiwiki?view=rev&revision=254 ↪35 URL:http://info.tikiwiki.org/article86-Tiki-Announces-3-5-and-4-2-Releases URL:http://info.tikiwiki.org/tiki-index.php?page=homepage

High (CVSS: 7.5)

NVT: phpinfo() output Reporting

**Summary**

Many PHP installation tutorials instruct the user to create a file called phpinfo.php or similar containing the phpinfo() statement. Such a file is often left back in the webserver directory.

**Vulnerability Detection Result**

The following files are calling the function phpinfo() which disclose potentiall

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<p>↔y sensitive information:  <a href="http://10.0.2.4/mutillidae/phpinfo.php">http://10.0.2.4/mutillidae/phpinfo.php</a>  <a href="http://10.0.2.4/phpinfo.php">http://10.0.2.4/phpinfo.php</a></p>
<p><b>Impact</b>  Some of the information that can be gathered from this file includes:  The username of the user running the PHP process, if it is a sudo user, the IP address of the host, the web server version, the system version (Unix, Linux, Windows, ...), and the root directory of the web server.</p>
<p><b>Solution</b>  <b>Solution type:</b> Workaround  Delete the listed files or restrict access to them.</p>
<p><b>Vulnerability Detection Method</b>  Details: phpinfo() output Reporting  OID:1.3.6.1.4.1.25623.1.0.11229  Version used: \$Revision: 11992 \$</p>

<p>High (CVSS: 7.5)  NVT: Test HTTP dangerous methods</p>
<p><b>Summary</b>  Misconfigured web servers allows remote clients to perform dangerous HTTP methods such as PUT and DELETE. This script checks if they are enabled and can be misused to upload or delete files.</p>
<p><b>Vulnerability Detection Result</b>  We could upload the following files via the PUT method at this web server:  <a href="http://10.0.2.4/dav/puttest204873115.html">http://10.0.2.4/dav/puttest204873115.html</a>  We could delete the following files via the DELETE method at this web server:  <a href="http://10.0.2.4/dav/puttest204873115.html">http://10.0.2.4/dav/puttest204873115.html</a></p>
<p><b>Impact</b>  - Enabled PUT method: This might allow an attacker to upload and run arbitrary code on this web server.  - Enabled DELETE method: This might allow an attacker to delete additional files on this web server.</p>
<p><b>Solution</b>  <b>Solution type:</b> Mitigation  Use access restrictions to these dangerous HTTP methods or disable them completely.</p>
<p><b>Vulnerability Detection Method</b>  Details: Test HTTP dangerous methods  OID:1.3.6.1.4.1.25623.1.0.10498</p>
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Version used: \$Revision: 9335 \$
<b>References</b> BID:12141 Other: OWASP:OWASP-CM-001

High (CVSS: 7.5) NVT: PHP-CGI-based setups vulnerability when parsing query string parameters from php files.
<b>Summary</b> PHP is prone to an information-disclosure vulnerability.
<b>Vulnerability Detection Result</b> Vulnerable url: http://10.0.2.4/cgi-bin/php
<b>Impact</b> Exploiting this issue allows remote attackers to view the source code of files in the context of the server process. This may allow the attacker to obtain sensitive information and to run arbitrary PHP code on the affected computer. Other attacks are also possible.
<b>Solution</b> <b>Solution type:</b> VendorFix PHP has released version 5.4.3 and 5.3.13 to address this vulnerability. PHP is recommending that users upgrade to the latest version of PHP.
<b>Vulnerability Insight</b> When PHP is used in a CGI-based setup (such as Apache's mod_cgid), the php-cgi receives a processed query string parameter as command line arguments which allows command-line switches, such as -s, -d or -c to be passed to the php-cgi binary, which can be exploited to disclose source code and obtain arbitrary code execution. An example of the -s command, allowing an attacker to view the source code of index.php is below: http://example.com/index.php?-s
<b>Vulnerability Detection Method</b> Details: PHP-CGI-based setups vulnerability when parsing query string parameters from ph. ↪.. OID:1.3.6.1.4.1.25623.1.0.103482 Version used: \$Revision: 13679 \$
<b>References</b> CVE: CVE-2012-1823, CVE-2012-2311, CVE-2012-2336, CVE-2012-2335 BID:53388 Other: URL:http://www.h-online.com/open/news/item/Critical-open-hole-in-PHP-creates-r
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↪isks-Update-1567532.html

URL:http://www.kb.cert.org/vuls/id/520827

URL:http://eindbazen.net/2012/05/php-cgi-advisory-cve-2012-1823/

URL:https://bugs.php.net/bug.php?id=61910

URL:http://www.php.net/manual/en/security.cgi-bin.php

URL:http://www.securityfocus.com/bid/53388

[\[ return to 10.0.2.4 \]](#)**High 21/tcp****High (CVSS: 7.5)****NVT: vsftpd Compromised Source Packages Backdoor Vulnerability****Summary**

vsftpd is prone to a backdoor vulnerability.

**Vulnerability Detection Result**

Vulnerability was detected according to the Vulnerability Detection Method.

**Impact**

Attackers can exploit this issue to execute arbitrary commands in the context of the application. Successful attacks will compromise the affected application.

**Solution****Solution type:** VendorFix

The repaired package can be downloaded from the referenced link. Please validate the package with its signature.

**Affected Software/OS**

The vsftpd 2.3.4 source package is affected.

**Vulnerability Detection Method**

Details: vsftpd Compromised Source Packages Backdoor Vulnerability

OID:1.3.6.1.4.1.25623.1.0.103185

Version used: \$Revision: 12076 \$

**References**

BID:48539

Other:

URL:http://www.securityfocus.com/bid/48539

URL:http://scarybeastsecurity.blogspot.com/2011/07/alert-vsftpd-download-back

↪doored.html

URL:https://security.appspot.com/vsftpd.html

[\[ return to 10.0.2.4 \]](#)

**High 514/tcp**

High (CVSS: 7.5) NVT: rsh Unencrypted Cleartext Login
<b>Summary</b> This remote host is running a rsh service.
<b>Vulnerability Detection Result</b> The rsh service is misconfigured so it is allowing connections without a password or with default root:root credentials.
<b>Solution</b> <b>Solution type:</b> Mitigation Disable the rsh service and use alternatives like SSH instead.
<b>Vulnerability Insight</b> rsh (remote shell) is a command line computer program which can execute shell commands as another user, and on another computer across a computer network.
<b>Vulnerability Detection Method</b> Details: rsh Unencrypted Cleartext Login OID:1.3.6.1.4.1.25623.1.0.100080 Version used: \$Revision: 13010 \$
<b>References</b> Other: URL: <a href="https://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-1999-0651">https://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-1999-0651</a>

[\[ return to 10.0.2.4 \]](#)**High general/tcp**

High (CVSS: 10.0) NVT: OS End Of Life Detection
<b>Product detection result</b> cpe:/o:canonical:ubuntu_linux:8.04 Detected by OS Detection Consolidation and Reporting (OID: 1.3.6.1.4.1.25623.1.0.105937)
<b>Summary</b> OS End Of Life Detection The Operating System on the remote host has reached the end of life and should not be used anymore. ... continues on next page ...

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<b>Vulnerability Detection Result</b> The "Ubuntu" Operating System on the remote host has reached the end of life. CPE: cpe:/o:canonical:ubuntu_linux:8.04 Installed version, build or SP: 8.04 EOL date: 2013-05-09 EOL info: https://wiki.ubuntu.com/Releases
<b>Solution</b> <b>Solution type:</b> Mitigation
<b>Vulnerability Detection Method</b> Details: OS End Of Life Detection OID:1.3.6.1.4.1.25623.1.0.103674 Version used: \$Revision: 8927 \$
<b>Product Detection Result</b> Product: cpe:/o:canonical:ubuntu_linux:8.04 Method: OS Detection Consolidation and Reporting OID: 1.3.6.1.4.1.25623.1.0.105937)

[\[ return to 10.0.2.4 \]](#)

## High 5900/tcp

High (CVSS: 9.0) NVT: VNC Brute Force Login
<b>Summary</b> Try to log in with given passwords via VNC protocol.
<b>Vulnerability Detection Result</b> It was possible to connect to the VNC server with the password: password
<b>Solution</b> <b>Solution type:</b> Mitigation Change the password to something hard to guess or enable password protection at all.
<b>Vulnerability Insight</b> This script tries to authenticate to a VNC server with the passwords set in the password preference. It will also test and report if no authentication / password is required at all. Note: Some VNC servers have a blacklisting scheme that blocks IP addresses after five unsuccessful connection attempts for a period of time. The script will abort the brute force attack if it encounters that it gets blocked. Note as well that passwords can be max. 8 characters long.
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**Vulnerability Detection Method**

Details: VNC Brute Force Login

OID:1.3.6.1.4.1.25623.1.0.106056

Version used: \$Revision: 13328 \$

[\[ return to 10.0.2.4 \]](#)**High 6200/tcp**

High (CVSS: 7.5)

NVT: vsftpd Compromised Source Packages Backdoor Vulnerability

**Summary**

vsftpd is prone to a backdoor vulnerability.

**Vulnerability Detection Result**

Vulnerability was detected according to the Vulnerability Detection Method.

**Impact**

Attackers can exploit this issue to execute arbitrary commands in the context of the application. Successful attacks will compromise the affected application.

**Solution****Solution type:** VendorFix

The repaired package can be downloaded from the referenced link. Please validate the package with its signature.

**Affected Software/OS**

The vsftpd 2.3.4 source package is affected.

**Vulnerability Detection Method**

Details: vsftpd Compromised Source Packages Backdoor Vulnerability

OID:1.3.6.1.4.1.25623.1.0.103185

Version used: \$Revision: 12076 \$

**References**

BID:48539

Other:

URL:<http://www.securityfocus.com/bid/48539>

URL:<http://scarybeastsecurity.blogspot.com/2011/07/alert-vsftpd-download-backdoor.html>

URL:<https://security.appspot.com/vsftpd.html>

[\[ return to 10.0.2.4 \]](#)

**High 1524/tcp**

High (CVSS: 10.0) NVT: Possible Backdoor: Ingreslock
<b>Summary</b> A backdoor is installed on the remote host
<b>Vulnerability Detection Result</b> The service is answering to an 'id;' command with the following response: uid=0( ↪root) gid=0(root)
<b>Impact</b> Attackers can exploit this issue to execute arbitrary commands in the context of the application. Successful attacks will compromise the affected isystem.
<b>Solution</b> <b>Solution type:</b> Workaround
<b>Vulnerability Detection Method</b> Details: Possible Backdoor: Ingreslock OID:1.3.6.1.4.1.25623.1.0.103549 Version used: \$Revision: 11327 \$

[\[ return to 10.0.2.4 \]](#)

**High 512/tcp**

High (CVSS: 10.0) NVT: rexec Passwordless / Unencrypted Cleartext Login
<b>Summary</b> This remote host is running a rexec service.
<b>Vulnerability Detection Result</b> The rexec service is not allowing connections from this host.
<b>Solution</b> <b>Solution type:</b> Mitigation Disable the rexec service and use alternatives like SSH instead.
<b>Vulnerability Insight</b> rexec (Remote Process Execution) has the same kind of functionality that rsh has: you can execute shell commands on a remote computer. The main difference is that rexec authenticate by reading the username and password *unencrypted* from the socket. ... continues on next page ...



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**Vulnerability Detection Method**

Details: rexec Passwordless / Unencrypted Cleartext Login

OID:1.3.6.1.4.1.25623.1.0.100111

Version used: \$Revision: 13541 \$

**References**

Other:

URL:https://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-1999-0618

[\[ return to 10.0.2.4 \]](#)**High 22/tcp**

High (CVSS: 7.5)

NVT: SSH Brute Force Logins With Default Credentials Reporting

**Summary**

It was possible to login into the remote SSH server using default credentials.

As the NVT 'SSH Brute Force Logins with default Credentials' (OID: 1.3.6.1.4.1.25623.1.0.108013) might run into a timeout the actual reporting of this vulnerability takes place in this NVT instead. The script preference 'Report timeout' allows you to configure if such an timeout is reported.

**Vulnerability Detection Result**

It was possible to login with the following credentials &lt;User&gt;:&lt;Password&gt;

msfadmin:msfadmin

user:user

**Solution****Solution type:** Mitigation

Change the password as soon as possible.

**Vulnerability Detection Method**

Try to login with a number of known default credentials via the SSH protocol.

Details: SSH Brute Force Logins With Default Credentials Reporting

OID:1.3.6.1.4.1.25623.1.0.103239

Version used: \$Revision: 13568 \$

[\[ return to 10.0.2.4 \]](#)**High 5432/tcp**

<b>High (CVSS: 9.0)</b> <b>NVT: PostgreSQL weak password</b>
<b>Product detection result</b> cpe:/a:postgresql:postgresql:8.3.1 Detected by PostgreSQL Detection (OID: 1.3.6.1.4.1.25623.1.0.100151)
<b>Summary</b> It was possible to login into the remote PostgreSQL as user postgres using weak credentials.
<b>Vulnerability Detection Result</b> It was possible to login as user postgres with password "postgres".
<b>Solution</b> <b>Solution type:</b> Mitigation Change the password as soon as possible.
<b>Vulnerability Detection Method</b> Details: PostgreSQL weak password OID:1.3.6.1.4.1.25623.1.0.103552 Version used: \$Revision: 10312 \$
<b>Product Detection Result</b> Product: cpe:/a:postgresql:postgresql:8.3.1 Method: PostgreSQL Detection OID: 1.3.6.1.4.1.25623.1.0.100151)

[\[ return to 10.0.2.4 \]](#)

## Medium 6667/tcp

<b>Medium (CVSS: 6.8)</b> <b>NVT: UnrealIRCd Authentication Spoofing Vulnerability</b>
<b>Product detection result</b> cpe:/a:unrealircd:unrealircd:3.2.8.1 Detected by UnrealIRCd Detection (OID: 1.3.6.1.4.1.25623.1.0.809884)
<b>Summary</b> This host is installed with UnrealIRCd and is prone to authentication spoofing vulnerability.
<b>Vulnerability Detection Result</b> Installed version: 3.2.8.1 Fixed version: 3.2.10.7
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<b>Impact</b> Successful exploitation of this vulnerability will allows remote attackers to spoof certificate fingerprints and consequently log in as another user.
<b>Solution</b> <b>Solution type:</b> VendorFix Upgrade to UnrealIRCd 3.2.10.7, or 4.0.6, or later.
<b>Affected Software/OS</b> UnrealIRCd before 3.2.10.7 and 4.x before 4.0.6.
<b>Vulnerability Insight</b> The flaw exists due to an error in the 'm_authenticate' function in 'modules/m_sasl.c' script.
<b>Vulnerability Detection Method</b> Checks if a vulnerable version is present on the target host. Details: UnrealIRCd Authentication Spoofing Vulnerability OID:1.3.6.1.4.1.25623.1.0.809883 Version used: \$Revision: 11874 \$
<b>Product Detection Result</b> Product: cpe:/a:unrealircd:unrealircd:3.2.8.1 Method: UnrealIRCd Detection OID: 1.3.6.1.4.1.25623.1.0.809884)
<b>References</b> CVE: CVE-2016-7144 BID:92763 Other: URL:http://seclists.org/oss-sec/2016/q3/420 URL:http://www.openwall.com/lists/oss-security/2016/09/05/8 URL:https://github.com/unrealircd/unrealircd/commit/f473e355e1dc422c4f019dbf8 ↪6bc50ba1a34a766 URL:https://bugs.unrealircd.org/main_page.php

[\[ return to 10.0.2.4 \]](#)

## Medium 80/tcp

Medium (CVSS: 6.8) NVT: TWiki Cross-Site Request Forgery Vulnerability - Sep10
<b>Product detection result</b> cpe:/a:twiki:twiki:01.Feb.2003
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Detected by TWiki Version Detection (OID: 1.3.6.1.4.1.25623.1.0.800399)
<b>Summary</b> The host is running TWiki and is prone to Cross-Site Request Forgery vulnerability.
<b>Vulnerability Detection Result</b> Installed version: 01.Feb.2003 Fixed version: 4.3.2
<b>Impact</b> Successful exploitation will allow attacker to gain administrative privileges on the target application and can cause CSRF attack.
<b>Solution</b> <b>Solution type:</b> VendorFix Upgrade to TWiki version 4.3.2 or later.
<b>Affected Software/OS</b> TWiki version prior to 4.3.2
<b>Vulnerability Insight</b> Attack can be done by tricking an authenticated TWiki user into visiting a static HTML page on another side, where a Javascript enabled browser will send an HTTP POST request to TWiki, which in turn will process the request as the TWiki user.
<b>Vulnerability Detection Method</b> Details: TWiki Cross-Site Request Forgery Vulnerability - Sep10 OID:1.3.6.1.4.1.25623.1.0.801281 Version used: \$Revision: 12952 \$
<b>Product Detection Result</b> Product: cpe:/a:twiki:twiki:01.Feb.2003 Method: TWiki Version Detection OID: 1.3.6.1.4.1.25623.1.0.800399)
<b>References</b> CVE: CVE-2009-4898 Other: URL:http://www.openwall.com/lists/oss-security/2010/08/03/8 URL:http://www.openwall.com/lists/oss-security/2010/08/02/17 URL:http://twiki.org/cgi-bin/view/Codev/SecurityAuditTokenBasedCsrfFix URL:http://twiki.org/cgi-bin/view/Codev/DownloadTWiki

Medium (CVSS: 6.5) NVT: Tiki Wiki CMS Groupware < 17.2 SQL Injection Vulnerability
<b>Product detection result</b> cpe:/a:tiki:tikiwiki_cms/groupware:1.9.5 Detected by Tiki Wiki CMS Groupware Version Detection (OID: 1.3.6.1.4.1.25623.1.1.0.901001)
<b>Summary</b> In Tiki the user task component is vulnerable to a SQL Injection via the tiki-user_tasks.php show_history parameter.
<b>Vulnerability Detection Result</b> Installed version: 1.9.5 Fixed version: 17.2
<b>Solution</b> <b>Solution type:</b> VendorFix Upgrade to version 17.2 or later.
<b>Affected Software/OS</b> Tiki Wiki CMS Groupware prior to version 17.2.
<b>Vulnerability Detection Method</b> Checks if a vulnerable version is present on the target host. Details: Tiki Wiki CMS Groupware < 17.2 SQL Injection Vulnerability OID:1.3.6.1.4.1.25623.1.0.141885 Version used: \$Revision: 13115 \$
<b>Product Detection Result</b> Product: cpe:/a:tiki:tikiwiki_cms/groupware:1.9.5 Method: Tiki Wiki CMS Groupware Version Detection OID: 1.3.6.1.4.1.25623.1.0.901001)
<b>References</b> CVE: CVE-2018-20719 Other: URL:https://blog.ripstech.com/2018/scan-verify-patch-security-issues-in-minute ↪s/

Medium (CVSS: 6.0) NVT: TWiki Cross-Site Request Forgery Vulnerability
<b>Product detection result</b> cpe:/a:twiki:twiki:01.Feb.2003
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Detected by TWiki Version Detection (OID: 1.3.6.1.4.1.25623.1.0.800399)
<b>Summary</b> The host is running TWiki and is prone to Cross-Site Request Forgery Vulnerability.
<b>Vulnerability Detection Result</b> Installed version: 01.Feb.2003 Fixed version: 4.3.1
<b>Impact</b> Successful exploitation will allow attacker to gain administrative privileges on the target application and can cause CSRF attack.
<b>Solution</b> <b>Solution type:</b> VendorFix Upgrade to version 4.3.1 or later.
<b>Affected Software/OS</b> TWiki version prior to 4.3.1
<b>Vulnerability Insight</b> Remote authenticated user can create a specially crafted image tag that, when viewed by the target user, will update pages on the target system with the privileges of the target user via HTTP requests.
<b>Vulnerability Detection Method</b> Details: TWiki Cross-Site Request Forgery Vulnerability OID:1.3.6.1.4.1.25623.1.0.800400 Version used: \$Revision: 12952 \$
<b>Product Detection Result</b> Product: cpe:/a:twiki:twiki:01.Feb.2003 Method: TWiki Version Detection OID: 1.3.6.1.4.1.25623.1.0.800399)
<b>References</b> CVE: CVE-2009-1339 Other: URL:http://secunia.com/advisories/34880 URL:http://bugs.debian.org/cgi-bin/bugreport.cgi?bug=526258 URL:http://twiki.org/p/pub/Codev/SecurityAlert-CVE-2009-1339/TWiki-4.3.0-c-di ↪ff-cve-2009-1339.txt

Medium (CVSS: 5.8) NVT: HTTP Debugging Methods (TRACE/TRACK) Enabled
<b>Summary</b> Debugging functions are enabled on the remote web server. The remote web server supports the TRACE and/or TRACK methods. TRACE and TRACK are HTTP methods which are used to debug web server connections.
<b>Vulnerability Detection Result</b> The web server has the following HTTP methods enabled: TRACE
<b>Impact</b> An attacker may use this flaw to trick your legitimate web users to give him their credentials.
<b>Solution</b> <b>Solution type:</b> Mitigation Disable the TRACE and TRACK methods in your web server configuration. Please see the manual of your web server or the references for more information.
<b>Affected Software/OS</b> Web servers with enabled TRACE and/or TRACK methods.
<b>Vulnerability Insight</b> It has been shown that web servers supporting this methods are subject to cross-site-scripting attacks, dubbed XST for Cross-Site-Tracing, when used in conjunction with various weaknesses in browsers.
<b>Vulnerability Detection Method</b> Details: HTTP Debugging Methods (TRACE/TRACK) Enabled OID:1.3.6.1.4.1.25623.1.0.11213 Version used: \$Revision: 10828 \$
<b>References</b> CVE: CVE-2003-1567, CVE-2004-2320, CVE-2004-2763, CVE-2005-3398, CVE-2006-4683, ↗CVE-2007-3008, CVE-2008-7253, CVE-2009-2823, CVE-2010-0386, CVE-2012-2223, CVE ↗-2014-7883 BID:9506, 9561, 11604, 15222, 19915, 24456, 33374, 36956, 36990, 37995 Other: URL: <a href="http://www.kb.cert.org/vuls/id/288308">http://www.kb.cert.org/vuls/id/288308</a> URL: <a href="http://www.kb.cert.org/vuls/id/867593">http://www.kb.cert.org/vuls/id/867593</a> URL: <a href="http://httpd.apache.org/docs/current/de/mod/core.html#traceenable">http://httpd.apache.org/docs/current/de/mod/core.html#traceenable</a> URL: <a href="https://www.owasp.org/index.php/Cross_Site_Tracing">https://www.owasp.org/index.php/Cross_Site_Tracing</a>
Medium (CVSS: 5.0) NVT: Tiki Wiki CMS Groupware Input Sanitation Weakness Vulnerability
<b>Product detection result</b>
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cpe:/a:tiki:tikiwiki_cms/groupware:1.9.5 Detected by Tiki Wiki CMS Groupware Version Detection (OID: 1.3.6.1.4.1.25623.1.↔0.901001)
<b>Summary</b> The host is installed with Tiki Wiki CMS Groupware and is prone to input sanitation weakness vulnerability.
<b>Vulnerability Detection Result</b> Installed version: 1.9.5 Fixed version: 2.2
<b>Impact</b> Successful exploitation could allow arbitrary code execution in the context of an affected site.
<b>Solution</b> <b>Solution type:</b> VendorFix Upgrade to version 2.2 or later.
<b>Affected Software/OS</b> Tiki Wiki CMS Groupware version prior to 2.2 on all running platform
<b>Vulnerability Insight</b> The vulnerability is due to input validation error in tiki-error.php which fails to sanitise before being returned to the user.
<b>Vulnerability Detection Method</b> Details: Tiki Wiki CMS Groupware Input Sanitation Weakness Vulnerability OID:1.3.6.1.4.1.25623.1.0.800315 Version used: \$Revision: 14010 \$
<b>Product Detection Result</b> Product: cpe:/a:tiki:tikiwiki_cms/groupware:1.9.5 Method: Tiki Wiki CMS Groupware Version Detection OID: 1.3.6.1.4.1.25623.1.0.901001)
<b>References</b> CVE: CVE-2008-5318, CVE-2008-5319 Other: URL: <a href="http://secunia.com/advisories/32341">http://secunia.com/advisories/32341</a> URL: <a href="http://info.tikiwiki.org/tiki-read_article.php?articleId=41">http://info.tikiwiki.org/tiki-read_article.php?articleId=41</a>
Medium (CVSS: 5.0) NVT: Tiki Wiki CMS Groupware 'fixedURLData' Local File Inclusion Vulnerability
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<b>Product detection result</b> cpe:/a:tiki:tikiwiki_cms/groupware:1.9.5 Detected by Tiki Wiki CMS Groupware Version Detection (OID: 1.3.6.1.4.1.25623.1.↵0.901001)
<b>Summary</b> The host is installed with Tiki Wiki CMS Groupware and is prone to a local file inclusion vulnerability.
<b>Vulnerability Detection Result</b> Installed version: 1.9.5 Fixed version: 12.11
<b>Impact</b> Successful exploitation will allow an user having access to the admin backend to gain access to arbitrary files and to compromise the application.
<b>Solution</b> <b>Solution type:</b> VendorFix Upgrade to Tiki Wiki CMS Groupware version 12.11 LTS, 15.4 or later.
<b>Affected Software/OS</b> Tiki Wiki CMS Groupware versions: - below 12.11 LTS - 13.x, 14.x and 15.x below 15.4
<b>Vulnerability Insight</b> The Flaw is due to improper sanitization of input passed to the 'fixedURLData' parameter of the 'display_banner.php' script.
<b>Vulnerability Detection Method</b> Checks if a vulnerable version is present on the target host. Details: Tiki Wiki CMS Groupware 'fixedURLData' Local File Inclusion Vulnerability OID:1.3.6.1.4.1.25623.1.0.108064 Version used: \$Revision: 11863 \$
<b>Product Detection Result</b> Product: cpe:/a:tiki:tikiwiki_cms/groupware:1.9.5 Method: Tiki Wiki CMS Groupware Version Detection OID: 1.3.6.1.4.1.25623.1.0.901001)
<b>References</b> CVE: CVE-2016-10143 Other: URL: <a href="http://tiki.org/article445-Security-updates-Tiki-16-2-15-4-and-Tiki-12-11-">http://tiki.org/article445-Security-updates-Tiki-16-2-15-4-and-Tiki-12-11-</a>
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URL: <https://sourceforge.net/p/tikiwiki/code/60308/>URL: <https://tiki.org>

Medium (CVSS: 5.0)

NVT: /doc directory browsable

**Summary**

The /doc directory is browsable. /doc shows the content of the /usr/doc directory and therefore it shows which programs and - important! - the version of the installed programs.

**Vulnerability Detection Result**Vulnerable url: <http://10.0.2.4/doc/>**Solution****Solution type:** Mitigation

Use access restrictions for the /doc directory. If you use Apache you might use this in your access.conf:

```
<Directory /usr/doc> AllowOverride None order deny, allow deny from all allow from localhost
</Directory>
```

**Vulnerability Detection Method**

Details: /doc directory browsable

OID:1.3.6.1.4.1.25623.1.0.10056

Version used: \$Revision: 14336 \$

**References**

CVE: CVE-1999-0678

BID:318

Medium (CVSS: 5.0)

NVT: awiki Multiple Local File Include Vulnerabilities

**Summary**

awiki is prone to multiple local file-include vulnerabilities because it fails to properly sanitize user-supplied input.

**Vulnerability Detection Result**Vulnerable url: <http://10.0.2.4/mutillidae/index.php?page=/etc/passwd>**Impact**

An attacker can exploit this vulnerability to obtain potentially sensitive information and execute arbitrary local scripts in the context of the webserver process. This may allow the attacker to compromise the application and the host. Other attacks are also possible.

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<b>Solution</b> <b>Solution type:</b> WillNotFix No known solution was made available for at least one year since the disclosure of this vulnerability. Likely none will be provided anymore. General solution options are to upgrade to a newer release, disable respective features, remove the product or replace the product by another one.
<b>Affected Software/OS</b> awiki 20100125 is vulnerable. Other versions may also be affected.
<b>Vulnerability Detection Method</b> Details: awiki Multiple Local File Include Vulnerabilities OID:1.3.6.1.4.1.25623.1.0.103210 Version used: \$Revision: 10741 \$
<b>References</b> BID:49187 Other: URL:https://www.exploit-db.com/exploits/36047/ URL:http://www.securityfocus.com/bid/49187 URL:http://www.kobaonline.com/awiki/

Medium (CVSS: 4.8) NVT: Cleartext Transmission of Sensitive Information via HTTP
<b>Summary</b> The host / application transmits sensitive information (username, passwords) in cleartext via HTTP.
<b>Vulnerability Detection Result</b> The following input fields where identified (URL:input name): http://10.0.2.4/phpMyAdmin/:pma_password http://10.0.2.4/phpMyAdmin/?D=A:pma_password http://10.0.2.4/tikiwiki/tiki-install.php:pass http://10.0.2.4/twiki/bin/view/TWiki/TWikiUserAuthentication:oldpassword
<b>Impact</b> An attacker could use this situation to compromise or eavesdrop on the HTTP communication between the client and the server using a man-in-the-middle attack to get access to sensitive data like usernames or passwords.
<b>Solution</b> <b>Solution type:</b> Workaround Enforce the transmission of sensitive data via an encrypted SSL/TLS connection. Additionally make sure the host / application is redirecting all users to the secured SSL/TLS connection before allowing to input sensitive data into the mentioned functions.
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<b>Affected Software/OS</b> Hosts / applications which doesn't enforce the transmission of sensitive data via an encrypted SSL/TLS connection.
<b>Vulnerability Detection Method</b> Evaluate previous collected information and check if the host / application is not enforcing the transmission of sensitive data via an encrypted SSL/TLS connection. The script is currently checking the following: - HTTP Basic Authentication (Basic Auth) - HTTP Forms (e.g. Login) with input field of type 'password' Details: Cleartext Transmission of Sensitive Information via HTTP OID:1.3.6.1.4.1.25623.1.0.108440 Version used: \$Revision: 10726 \$
<b>References</b> Other: URL:https://www.owasp.org/index.php/Top_10_2013-A2-Broken_Authentication_and_Session_Management URL:https://www.owasp.org/index.php/Top_10_2013-A6-Sensitive_Data_Exposure URL:https://cwe.mitre.org/data/definitions/319.html

Medium (CVSS: 4.3) NVT: TWiki < 6.1.0 XSS Vulnerability
<b>Product detection result</b> cpe:/a:twiki:twiki:01.Feb.2003 Detected by TWiki Version Detection (OID: 1.3.6.1.4.1.25623.1.0.800399)
<b>Summary</b> bin/statistics in TWiki 6.0.2 allows XSS via the webs parameter.
<b>Vulnerability Detection Result</b> Installed version: 01.Feb.2003 Fixed version: 6.1.0
<b>Solution</b> <b>Solution type:</b> VendorFix Update to version 6.1.0 or later.
<b>Affected Software/OS</b> TWiki version 6.0.2 and probably prior.
<b>Vulnerability Detection Method</b> Checks if a vulnerable version is present on the target host. Details: TWiki < 6.1.0 XSS Vulnerability
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OID:1.3.6.1.4.1.25623.1.0.141830 Version used: 2019-03-26T08:16:24+0000
<b>Product Detection Result</b> Product: cpe:/a:twiki:twiki:01.Feb.2003 Method: TWiki Version Detection OID: 1.3.6.1.4.1.25623.1.0.800399)
<b>References</b> CVE: CVE-2018-20212 Other: URL:https://seclists.org/fulldisclosure/2019/Jan/7 URL:http://twiki.org/cgi-bin/view/Codev/DownloadTWiki

Medium (CVSS: 4.3) NVT: phpMyAdmin 'error.php' Cross Site Scripting Vulnerability
<b>Product detection result</b> cpe:/a:phpmyadmin:phpmyadmin:3.1.1 Detected by phpMyAdmin Detection (OID: 1.3.6.1.4.1.25623.1.0.900129)
<b>Summary</b> The host is running phpMyAdmin and is prone to Cross-Site Scripting Vulnerability.
<b>Vulnerability Detection Result</b> Vulnerability was detected according to the Vulnerability Detection Method.
<b>Impact</b> Successful exploitation will allow attackers to inject arbitrary HTML code within the error page and conduct phishing attacks.
<b>Solution</b> <b>Solution type:</b> WillNotFix No known solution was made available for at least one year since the disclosure of this vulnerability. Likely none will be provided anymore. General solution options are to upgrade to a newer release, disable respective features, remove the product or replace the product by another one.
<b>Affected Software/OS</b> phpMyAdmin version 3.3.8.1 and prior.
<b>Vulnerability Insight</b> The flaw is caused by input validation errors in the 'error.php' script when processing crafted BBcode tags containing '@' characters, which could allow attackers to inject arbitrary HTML code within the error page and conduct phishing attacks.
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<b>Vulnerability Detection Method</b> Details: phpMyAdmin 'error.php' Cross Site Scripting Vulnerability OID:1.3.6.1.4.1.25623.1.0.801660 Version used: \$Revision: 11553 \$
<b>Product Detection Result</b> Product: cpe:/a:phpmyadmin:phpmyadmin:3.1.1 Method: phpMyAdmin Detection OID: 1.3.6.1.4.1.25623.1.0.900129)
<b>References</b> CVE: CVE-2010-4480 Other: URL: <a href="http://www.exploit-db.com/exploits/15699/">http://www.exploit-db.com/exploits/15699/</a> URL: <a href="http://www.vupen.com/english/advisories/2010/3133">http://www.vupen.com/english/advisories/2010/3133</a>

Medium (CVSS: 4.3) NVT: Apache HTTP Server 'httpOnly' Cookie Information Disclosure Vulnerability
<b>Summary</b> This host is running Apache HTTP Server and is prone to cookie information disclosure vulnerability.
<b>Vulnerability Detection Result</b> Vulnerability was detected according to the Vulnerability Detection Method.
<b>Impact</b> Successful exploitation will allow attackers to obtain sensitive information that may aid in further attacks.
<b>Solution</b> <b>Solution type:</b> VendorFix Upgrade to Apache HTTP Server version 2.2.22 or later.
<b>Affected Software/OS</b> Apache HTTP Server versions 2.2.0 through 2.2.21
<b>Vulnerability Insight</b> The flaw is due to an error within the default error response for status code 400 when no custom ErrorDocument is configured, which can be exploited to expose 'httpOnly' cookies.
<b>Vulnerability Detection Method</b> Details: Apache HTTP Server 'httpOnly' Cookie Information Disclosure Vulnerability OID:1.3.6.1.4.1.25623.1.0.902830
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Version used: \$Revision: 11857 \$
<b>References</b> CVE: CVE-2012-0053 BID:51706 Other: URL:http://secunia.com/advisories/47779 URL:http://www.exploit-db.com/exploits/18442 URL:http://rhn.redhat.com/errata/RHSA-2012-0128.html URL:http://httpd.apache.org/security/vulnerabilities_22.html URL:http://svn.apache.org/viewvc?view=revision&revision=1235454 URL:http://lists.opensuse.org/opensuse-security-announce/2012-02/msg00026.htm ↪1

[\[ return to 10.0.2.4 \]](#)

## Medium 21/tcp

Medium (CVSS: 6.4) NVT: Anonymous FTP Login Reporting
<b>Summary</b> Reports if the remote FTP Server allows anonymous logins.
<b>Vulnerability Detection Result</b> It was possible to login to the remote FTP service with the following anonymous ↪account(s): anonymous:anonymous@example.com ftp:anonymous@example.com
<b>Impact</b> Based on the files accessible via this anonymous FTP login and the permissions of this account an attacker might be able to: - gain access to sensitive files - upload or delete files.
<b>Solution</b> <b>Solution type:</b> Mitigation If you do not want to share files, you should disable anonymous logins.
<b>Vulnerability Insight</b> A host that provides an FTP service may additionally provide Anonymous FTP access as well. Under this arrangement, users do not strictly need an account on the host. Instead the user typically enters 'anonymous' or 'ftp' when prompted for username. Although users are commonly asked to send their email address as their password, little to no verification is actually performed on the supplied data.
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**Vulnerability Detection Method**

Details: Anonymous FTP Login Reporting

OID:1.3.6.1.4.1.25623.1.0.900600

Version used: \$Revision: 12030 \$

**References**

Other:

URL:<https://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-1999-0497>

Medium (CVSS: 4.8)

NVT: FTP Unencrypted Cleartext Login

**Summary**

The remote host is running a FTP service that allows cleartext logins over unencrypted connections.

**Vulnerability Detection Result**

The remote FTP service accepts logins without a previous sent 'AUTH TLS' command ↩. Response(s):

Anonymous sessions: 331 Please specify the password.

Non-anonymous sessions: 331 Please specify the password.

**Impact**

An attacker can uncover login names and passwords by sniffing traffic to the FTP service.

**Solution****Solution type:** Mitigation

Enable FTPS or enforce the connection via the 'AUTH TLS' command. Please see the manual of the FTP service for more information.

**Vulnerability Detection Method**

Tries to login to a non FTPS enabled FTP service without sending a 'AUTH TLS' command first and checks if the service is accepting the login without enforcing the use of the 'AUTH TLS' command.

Details: FTP Unencrypted Cleartext Login

OID:1.3.6.1.4.1.25623.1.0.108528

Version used: \$Revision: 13611 \$

[\[ return to 10.0.2.4 \]](#)**Medium 25/tcp**



Medium (CVSS: 5.0) NVT: Check if Mailserver answer to VRFY and EXPN requests
<b>Summary</b> The Mailserver on this host answers to VRFY and/or EXPN requests.
<b>Vulnerability Detection Result</b> 'VRFY root' produces the following answer: 252 2.0.0 root
<b>Solution</b> <b>Solution type:</b> Workaround Disable VRFY and/or EXPN on your Mailserver. For postfix add 'disable_vrfy_command=yes' in 'main.cf'. For Sendmail add the option 'O PrivacyOptions=goaway'. It is suggested that, if you really want to publish this type of information, you use a mechanism that legitimate users actually know about, such as Finger or HTTP.
<b>Vulnerability Insight</b> VRFY and EXPN ask the server for information about an address. They are inherently unusable through firewalls, gateways, mail exchangers for part-time hosts, etc.
<b>Vulnerability Detection Method</b> Details: Check if Mailserver answer to VRFY and EXPN requests OID:1.3.6.1.4.1.25623.1.0.100072 Version used: \$Revision: 13470 \$
<b>References</b> Other: URL: <a href="http://cr.yp.to/smtp/vrfy.html">http://cr.yp.to/smtp/vrfy.html</a>

Medium (CVSS: 5.0) NVT: SSL/TLS: Certificate Expired
<b>Summary</b> The remote server's SSL/TLS certificate has already expired.
<b>Vulnerability Detection Result</b> The certificate of the remote service expired on 2010-04-16 14:07:45. Certificate details: subject ...: 1.2.840.113549.1.9.1=#726F6F74407562756E74753830342D626173652E6C6F6 ↪3616C646F6D61696E,CN=ubuntu804-base.localdomain,OU=Office for Complication of ↪Otherwise Simple Affairs,O=OCOSA,L=Everywhere,ST=There is no such thing outsid ↪e US,C=XX subject alternative names (SAN): None issued by .: 1.2.840.113549.1.9.1=#726F6F74407562756E74753830342D626173652E6C6F6 ↪3616C646F6D61696E,CN=ubuntu804-base.localdomain,OU=Office for Complication of ... continues on next page ...

<p>...continued from previous page ...</p> <pre> ↪Otherwise Simple Affairs,O=OC0SA,L=Everywhere,ST=There is no such thing outsid ↪e US,C=XX serial .....: 00FAF93A4C7FB6B9CC valid from : 2010-03-17 14:07:45 UTC valid until: 2010-04-16 14:07:45 UTC fingerprint (SHA-1): ED093088706603BFD5DC237399B498DA2D4D31C6 fingerprint (SHA-256): E7A7FA0D63E457C7C4A59B38B70849C6A70BDA6F830C7AF1E32DEE436 ↪DE813CC </pre>
<p><b>Solution</b>  <b>Solution type:</b> Mitigation  Replace the SSL/TLS certificate by a new one.</p>
<p><b>Vulnerability Insight</b>  This script checks expiry dates of certificates associated with SSL/TLS-enabled services on the target and reports whether any have already expired.</p>
<p><b>Vulnerability Detection Method</b>  Details: SSL/TLS: Certificate Expired  OID:1.3.6.1.4.1.25623.1.0.103955  Version used: \$Revision: 11103 \$</p>
<p>Medium (CVSS: 4.3)  NVT: SSL/TLS: Deprecated SSLv2 and SSLv3 Protocol Detection</p>
<p><b>Summary</b>  It was possible to detect the usage of the deprecated SSLv2 and/or SSLv3 protocol on this system.</p>
<p><b>Vulnerability Detection Result</b>  In addition to TLSv1.0+ the service is also providing the deprecated SSLv2 and S  ↪SLv3 protocols and supports one or more ciphers. Those supported ciphers can b  ↪e found in the 'SSL/TLS: Report Weak and Supported Ciphers' (OID: 1.3.6.1.4.1.  ↪25623.1.0.802067) NVT.</p>
<p><b>Impact</b>  An attacker might be able to use the known cryptographic flaws to eavesdrop the connection between clients and the service to get access to sensitive data transferred within the secured connection.</p>
<p><b>Solution</b>  <b>Solution type:</b> Mitigation  It is recommended to disable the deprecated SSLv2 and/or SSLv3 protocols in favor of the TLSv1+ protocols. Please see the references for more information.</p>
<p><b>Affected Software/OS</b>  ... continues on next page ...</p>

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All services providing an encrypted communication using the SSLv2 and/or SSLv3 protocols.
<b>Vulnerability Insight</b> The SSLv2 and SSLv3 protocols containing known cryptographic flaws like: - Padding Oracle On Downgraded Legacy Encryption (POODLE, CVE-2014-3566) - Decrypting RSA with Obsolete and Weakened eNcryption (DROWN, CVE-2016-0800)
<b>Vulnerability Detection Method</b> Check the used protocols of the services provided by this system. Details: SSL/TLS: Deprecated SSLv2 and SSLv3 Protocol Detection OID:1.3.6.1.4.1.25623.1.0.111012 Version used: \$Revision: 5547 \$
<b>References</b> CVE: CVE-2016-0800, CVE-2014-3566 Other: URL:https://www.enisa.europa.eu/activities/identity-and-trust/library/deliverables/algorithms-key-sizes-and-parameters-report URL:https://bettercrypto.org/ URL:https://mozilla.github.io/server-side-tls/ssl-config-generator/ URL:https://drownattack.com/ URL:https://www.imperialviolet.org/2014/10/14/poodle.html
Medium (CVSS: 4.3) NVT: SSL/TLS: RSA Temporary Key Handling 'RSA_EXPORT' Downgrade Issue (FREAK)
<b>Summary</b> This host is accepting 'RSA_EXPORT' cipher suites and is prone to man in the middle attack.
<b>Vulnerability Detection Result</b> 'RSA_EXPORT' cipher suites accepted by this service via the SSLv3 protocol: TLS_DHE_RSA_EXPORT_WITH_DES40_CBC_SHA TLS_RSA_EXPORT_WITH_DES40_CBC_SHA TLS_RSA_EXPORT_WITH_RC2_CBC_40_MD5 TLS_RSA_EXPORT_WITH_RC4_40_MD5 'RSA_EXPORT' cipher suites accepted by this service via the TLSv1.0 protocol: TLS_DHE_RSA_EXPORT_WITH_DES40_CBC_SHA TLS_RSA_EXPORT_WITH_DES40_CBC_SHA TLS_RSA_EXPORT_WITH_RC2_CBC_40_MD5 TLS_RSA_EXPORT_WITH_RC4_40_MD5
<b>Impact</b> Successful exploitation will allow remote attacker to downgrade the security of a session to use 'RSA_EXPORT' cipher suites, which are significantly weaker than non-export cipher suites. This may allow a man-in-the-middle attacker to more easily break the encryption and monitor or tamper with the encrypted stream.
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<b>Solution</b> <b>Solution type:</b> VendorFix - Remove support for 'RSA_EXPORT' cipher suites from the service. - If running OpenSSL update to version 0.9.8zd or 1.0.0p or 1.0.1k or later.
<b>Affected Software/OS</b> - Hosts accepting 'RSA_EXPORT' cipher suites - OpenSSL version before 0.9.8zd, 1.0.0 before 1.0.0p, and 1.0.1 before 1.0.1k.
<b>Vulnerability Insight</b> Flaw is due to improper handling RSA temporary keys in a non-export RSA key exchange cipher suite.
<b>Vulnerability Detection Method</b> Check previous collected cipher suites saved in the KB. Details: SSL/TLS: RSA Temporary Key Handling 'RSA_EXPORT' Downgrade Issue (FREAK) OID:1.3.6.1.4.1.25623.1.0.805142 Version used: \$Revision: 11872 \$
<b>References</b> CVE: CVE-2015-0204 BID:71936 Other: URL: <a href="https://freakattack.com">https://freakattack.com</a> URL: <a href="http://secpod.org/blog/?p=3818">http://secpod.org/blog/?p=3818</a> URL: <a href="http://blog.cryptographyengineering.com/2015/03/attack-of-week-freak-or-fc-acting-nsa.html">http://blog.cryptographyengineering.com/2015/03/attack-of-week-freak-or-fc-acting-nsa.html</a> URL: <a href="https://www.openssl.org">https://www.openssl.org</a>
Medium (CVSS: 4.3) NVT: SSL/TLS: SSLv3 Protocol CBC Cipher Suites Information Disclosure Vulnerability (POODLE)
<b>Summary</b> This host is prone to an information disclosure vulnerability.
<b>Vulnerability Detection Result</b> Vulnerability was detected according to the Vulnerability Detection Method.
<b>Impact</b> Successful exploitation will allow a man-in-the-middle attackers gain access to the plain text data stream.
<b>Solution</b> <b>Solution type:</b> Mitigation ... continues on next page ...

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<p>Possible Mitigations are:</p> <ul style="list-style-type: none"> <li>- Disable SSLv3</li> <li>- Disable cipher suites supporting CBC cipher modes</li> <li>- Enable TLS_FALLBACK_SCSV if the service is providing TLSv1.0+</li> </ul>
<p><b>Vulnerability Insight</b></p> <p>The flaw is due to the block cipher padding not being deterministic and not covered by the Message Authentication Code</p>
<p><b>Vulnerability Detection Method</b></p> <p>Evaluate previous collected information about this service.</p> <p>Details: SSL/TLS: SSLv3 Protocol CBC Cipher Suites Information Disclosure Vulnerability .  ↪..  OID:1.3.6.1.4.1.25623.1.0.802087  Version used: \$Revision: 11402 \$</p>
<p><b>References</b></p> <p>CVE: CVE-2014-3566  BID:70574  Other:  URL:<a href="https://www.openssl.org/~bodo/ssl-poodle.pdf">https://www.openssl.org/~bodo/ssl-poodle.pdf</a>  URL:<a href="https://www.imperialviolet.org/2014/10/14/poodle.html">https://www.imperialviolet.org/2014/10/14/poodle.html</a>  URL:<a href="https://www.dfranke.us/posts/2014-10-14-how-poodle-happened.html">https://www.dfranke.us/posts/2014-10-14-how-poodle-happened.html</a>  URL:<a href="http://googleonlinesecurity.blogspot.in/2014/10/this-poodle-bites-exploit-ing-ssl-30.html">http://googleonlinesecurity.blogspot.in/2014/10/this-poodle-bites-exploit-ing-ssl-30.html</a>  ↪ing-ssl-30.html</p>
<p>Medium (CVSS: 4.3)  NVT: SSL/TLS: 'DHE_EXPORT' Man in the Middle Security Bypass Vulnerability (LogJam)</p>
<p><b>Summary</b></p> <p>This host is accepting 'DHE_EXPORT' cipher suites and is prone to man in the middle attack.</p>
<p><b>Vulnerability Detection Result</b></p> <p>'DHE_EXPORT' cipher suites accepted by this service via the SSLv3 protocol:  TLS_DHE_RSA_EXPORT_WITH_DES40_CBC_SHA  TLS_DH_anon_EXPORT_WITH_DES40_CBC_SHA  TLS_DH_anon_EXPORT_WITH_RC4_40_MD5  'DHE_EXPORT' cipher suites accepted by this service via the TLSv1.0 protocol:  TLS_DHE_RSA_EXPORT_WITH_DES40_CBC_SHA  TLS_DH_anon_EXPORT_WITH_DES40_CBC_SHA  TLS_DH_anon_EXPORT_WITH_RC4_40_MD5</p>
<p><b>Impact</b></p> <p>Successful exploitation will allow a man-in-the-middle attacker to downgrade the security of a TLS session to 512-bit export-grade cryptography, which is significantly weaker, allowing the attacker to more easily break the encryption and monitor or tamper with the encrypted stream.</p>
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<b>Solution</b> <b>Solution type:</b> VendorFix - Remove support for 'DHE_EXPORT' cipher suites from the service - If running OpenSSL update to version 1.0.2b or 1.0.1n or later.
<b>Affected Software/OS</b> - Hosts accepting 'DHE_EXPORT' cipher suites - OpenSSL version before 1.0.2b and 1.0.1n
<b>Vulnerability Insight</b> Flaw is triggered when handling Diffie-Hellman key exchanges defined in the 'DHE_EXPORT' cipher suites.
<b>Vulnerability Detection Method</b> Check previous collected cipher suites saved in the KB. Details: SSL/TLS: 'DHE_EXPORT' Man in the Middle Security Bypass Vulnerability (LogJam) OID:1.3.6.1.4.1.25623.1.0.805188 Version used: \$Revision: 11872 \$
<b>References</b> CVE: CVE-2015-4000 BID:74733 Other: URL: <a href="https://weakdh.org">https://weakdh.org</a> URL: <a href="https://weakdh.org/imperfect-forward-secrecy.pdf">https://weakdh.org/imperfect-forward-secrecy.pdf</a> URL: <a href="http://openwall.com/lists/oss-security/2015/05/20/8">http://openwall.com/lists/oss-security/2015/05/20/8</a> URL: <a href="https://blog.cloudflare.com/logjam-the-latest-tls-vulnerability-explained">https://blog.cloudflare.com/logjam-the-latest-tls-vulnerability-explained</a> URL: <a href="https://www.openssl.org/blog/blog/2015/05/20/logjam-freak-upcoming-change">https://www.openssl.org/blog/blog/2015/05/20/logjam-freak-upcoming-change</a> ↪s

Medium (CVSS: 4.0)
NVT: SSL/TLS: Diffie-Hellman Key Exchange Insufficient DH Group Strength Vulnerability
<b>Summary</b> The SSL/TLS service uses Diffie-Hellman groups with insufficient strength (key size < 2048).
<b>Vulnerability Detection Result</b> Server Temporary Key Size: 1024 bits
<b>Impact</b> An attacker might be able to decrypt the SSL/TLS communication offline.
<b>Solution</b> <b>Solution type:</b> Workaround Deploy (Ephemeral) Elliptic-Curve Diffie-Hellman (ECDHE) or use a 2048-bit or stronger Diffie-Hellman group (see the references).
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For Apache Web Servers: Beginning with version 2.4.7, mod_ssl will use DH parameters which include primes with lengths of more than 1024 bits.
<b>Vulnerability Insight</b> The Diffie-Hellman group are some big numbers that are used as base for the DH computations. They can be, and often are, fixed. The security of the final secret depends on the size of these parameters. It was found that 512 and 768 bits to be weak, 1024 bits to be breakable by really powerful attackers like governments.
<b>Vulnerability Detection Method</b> Checks the DHE temporary public key size. Details: SSL/TLS: Diffie-Hellman Key Exchange Insufficient DH Group Strength Vulnerability. ↪.. OID:1.3.6.1.4.1.25623.1.0.106223 Version used: \$Revision: 12865 \$
<b>References</b> Other: URL:https://weakdh.org/ URL:https://weakdh.org/sysadmin.html

Medium (CVSS: 4.0) NVT: SSL/TLS: Certificate Signed Using A Weak Signature Algorithm
<b>Summary</b> The remote service is using a SSL/TLS certificate in the certificate chain that has been signed using a cryptographically weak hashing algorithm.
<b>Vulnerability Detection Result</b> The following certificates are part of the certificate chain but using insecure ↪signature algorithms: Subject: 1.2.840.113549.1.9.1=#726F6F74407562756E74753830342D626173 ↪652E6C6F63616C646F6D61696E,CN=ubuntu804-base.localdomain,OU=Office for Complic ↪ation of Otherwise Simple Affairs,O=OCOSA,L=Everywhere,ST=There is no such thi ↪ng outside US,C=XX Signature Algorithm: sha1WithRSAEncryption
<b>Solution</b> <b>Solution type:</b> Mitigation Servers that use SSL/TLS certificates signed with a weak SHA-1, MD5, MD4 or MD2 hashing algorithm will need to obtain new SHA-2 signed SSL/TLS certificates to avoid web browser SSL/TLS certificate warnings.
<b>Vulnerability Insight</b> The following hashing algorithms used for signing SSL/TLS certificates are considered cryptographically weak and not secure enough for ongoing use: - Secure Hash Algorithm 1 (SHA-1)
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<ul style="list-style-type: none"> <li>- Message Digest 5 (MD5)</li> <li>- Message Digest 4 (MD4)</li> <li>- Message Digest 2 (MD2)</li> </ul> <p>Beginning as late as January 2017 and as early as June 2016, browser developers such as Microsoft and Google will begin warning users when visiting web sites that use SHA-1 signed Secure Socket Layer (SSL) certificates.</p> <p>NOTE: The script preference allows to set one or more custom SHA-1 fingerprints of CA certificates which are trusted by this routine. The fingerprints needs to be passed comma-separated and case-insensitive:</p> <p>Fingerprint1 or fingerprint1,Fingerprint2</p>
<p><b>Vulnerability Detection Method</b></p> <p>Check which hashing algorithm was used to sign the remote SSL/TLS certificate.</p> <p>Details: SSL/TLS: Certificate Signed Using A Weak Signature Algorithm</p> <p>OID:1.3.6.1.4.1.25623.1.0.105880</p> <p>Version used: \$Revision: 11524 \$</p>
<p><b>References</b></p> <p>Other:</p> <p>URL:<a href="https://blog.mozilla.org/security/2014/09/23/phasing-out-certificates-with-sha-1-based-signature-algorithms/">https://blog.mozilla.org/security/2014/09/23/phasing-out-certificates-with-sha-1-based-signature-algorithms/</a></p>

[\[ return to 10.0.2.4 \]](#)

## Medium 5900/tcp

<p>Medium (CVSS: 4.8)</p> <p>NVT: VNC Server Unencrypted Data Transmission</p>
<p><b>Summary</b></p> <p>The remote host is running a VNC server providing one or more insecure or cryptographically weak Security Type(s) not intended for use on untrusted networks.</p>
<p><b>Vulnerability Detection Result</b></p> <p>The VNC server provides the following insecure or cryptographically weak Security Type(s):</p> <p>2 (VNC authentication)</p>
<p><b>Impact</b></p> <p>An attacker can uncover sensitive data by sniffing traffic to the VNC server.</p>
<p><b>Solution</b></p> <p><b>Solution type:</b> Mitigation</p>
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Run the session over an encrypted channel provided by IPsec [RFC4301] or SSH [RFC4254]. Some VNC server vendors are also providing more secure Security Types within their products.
<b>Vulnerability Detection Method</b> Details: VNC Server Unencrypted Data Transmission OID:1.3.6.1.4.1.25623.1.0.108529 Version used: \$Revision: 13014 \$
<b>References</b> Other: URL: <a href="https://tools.ietf.org/html/rfc6143#page-10">https://tools.ietf.org/html/rfc6143#page-10</a>

[\[ return to 10.0.2.4 \]](#)

### Medium 2121/tcp

Medium (CVSS: 4.8) NVT: FTP Unencrypted Cleartext Login
<b>Summary</b> The remote host is running a FTP service that allows cleartext logins over unencrypted connections.
<b>Vulnerability Detection Result</b> The remote FTP service accepts logins without a previous sent 'AUTH TLS' command ↩. Response(s): Anonymous sessions: 331 Password required for anonymous Non-anonymous sessions: 331 Password required for openvas-vt
<b>Impact</b> An attacker can uncover login names and passwords by sniffing traffic to the FTP service.
<b>Solution</b> <b>Solution type:</b> Mitigation Enable FTPS or enforce the connection via the 'AUTH TLS' command. Please see the manual of the FTP service for more information.
<b>Vulnerability Detection Method</b> Tries to login to a non FTPS enabled FTP service without sending a 'AUTH TLS' command first and checks if the service is accepting the login without enforcing the use of the 'AUTH TLS' command. Details: FTP Unencrypted Cleartext Login OID:1.3.6.1.4.1.25623.1.0.108528 Version used: \$Revision: 13611 \$

[\[ return to 10.0.2.4 \]](#)

**Medium 22/tcp**

Medium (CVSS: 4.3) NVT: SSH Weak Encryption Algorithms Supported
<b>Summary</b> The remote SSH server is configured to allow weak encryption algorithms.
<b>Vulnerability Detection Result</b> The following weak client-to-server encryption algorithms are supported by the remote service: 3des-cbc aes128-cbc aes192-cbc aes256-cbc arcfour arcfour128 arcfour256 blowfish-cbc cast128-cbc rijndael-cbc@lysator.liu.se The following weak server-to-client encryption algorithms are supported by the remote service: 3des-cbc aes128-cbc aes192-cbc aes256-cbc arcfour arcfour128 arcfour256 blowfish-cbc cast128-cbc rijndael-cbc@lysator.liu.se
<b>Solution</b> <b>Solution type:</b> Mitigation Disable the weak encryption algorithms.
<b>Vulnerability Insight</b> The ‘arcfour’ cipher is the Arcfour stream cipher with 128-bit keys. The Arcfour cipher is believed to be compatible with the RC4 cipher [SCHNEIER]. Arcfour (and RC4) has problems with weak keys, and should not be used anymore. The ‘none’ algorithm specifies that no encryption is to be done. Note that this method provides no confidentiality protection, and it is NOT RECOMMENDED to use it. A vulnerability exists in SSH messages that employ CBC mode that may allow an attacker to recover plaintext from a block of ciphertext.
<b>Vulnerability Detection Method</b> ... continues on next page ...

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<p>Check if remote ssh service supports Arcfour, none or CBC ciphers.  Details: SSH Weak Encryption Algorithms Supported  OID:1.3.6.1.4.1.25623.1.0.105611  Version used: \$Revision: 13581 \$</p>
<p><b>References</b>  Other:  URL:https://tools.ietf.org/html/rfc4253#section-6.3  URL:https://www.kb.cert.org/vuls/id/958563</p>

[\[ return to 10.0.2.4 \]](#)

### Medium 5432/tcp

<p>Medium (CVSS: 6.8)  NVT: SSL/TLS: OpenSSL CCS Man in the Middle Security Bypass Vulnerability</p>
<p><b>Summary</b>  OpenSSL is prone to security-bypass vulnerability.</p>
<p><b>Vulnerability Detection Result</b>  Vulnerability was detected according to the Vulnerability Detection Method.</p>
<p><b>Impact</b>  Successfully exploiting this issue may allow attackers to obtain sensitive information by conducting a man-in-the-middle attack. This may lead to other attacks.</p>
<p><b>Solution</b>  <b>Solution type:</b> VendorFix  Updates are available. Please see the references for more information.</p>
<p><b>Affected Software/OS</b>  OpenSSL before 0.9.8za, 1.0.0 before 1.0.0m and 1.0.1 before 1.0.1h.</p>
<p><b>Vulnerability Insight</b>  OpenSSL does not properly restrict processing of ChangeCipherSpec messages, which allows man-in-the-middle attackers to trigger use of a zero-length master key in certain OpenSSL-to-OpenSSL communications, and consequently hijack sessions or obtain sensitive information, via a crafted TLS handshake, aka the 'CCS Injection' vulnerability.</p>
<p><b>Vulnerability Detection Method</b>  Send two SSL ChangeCipherSpec request and check the response.  Details: SSL/TLS: OpenSSL CCS Man in the Middle Security Bypass Vulnerability  OID:1.3.6.1.4.1.25623.1.0.105042  Version used: \$Revision: 12865 \$</p>
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**References**

CVE: CVE-2014-0224

BID:67899

Other:

URL:https://www.openssl.org/news/secadv/20140605.txt

URL:http://www.securityfocus.com/bid/67899

URL:http://openssl.org/

Medium (CVSS: 5.0)

NVT: SSL/TLS: Certificate Expired

**Summary**

The remote server's SSL/TLS certificate has already expired.

**Vulnerability Detection Result**

The certificate of the remote service expired on 2010-04-16 14:07:45.

Certificate details:

subject ...: 1.2.840.113549.1.9.1=#726F6F74407562756E74753830342D626173652E6C6F6  
 ↪3616C646F6D61696E,CN=ubuntu804-base.localdomain,OU=Office for Complication of  
 ↪Otherwise Simple Affairs,O=OCOSA,L=Everywhere,ST=There is no such thing outsid  
 ↪e US,C=XX

subject alternative names (SAN):

None

issued by ..: 1.2.840.113549.1.9.1=#726F6F74407562756E74753830342D626173652E6C6F6  
 ↪3616C646F6D61696E,CN=ubuntu804-base.localdomain,OU=Office for Complication of  
 ↪Otherwise Simple Affairs,O=OCOSA,L=Everywhere,ST=There is no such thing outsid  
 ↪e US,C=XX

serial ....: 00FAF93A4C7FB6B9CC

valid from : 2010-03-17 14:07:45 UTC

valid until: 2010-04-16 14:07:45 UTC

fingerprint (SHA-1): ED093088706603BFD5DC237399B498DA2D4D31C6

fingerprint (SHA-256): E7A7FA0D63E457C7C4A59B38B70849C6A70BDA6F830C7AF1E32DEE436  
 ↪DE813CC

**Solution****Solution type:** Mitigation

Replace the SSL/TLS certificate by a new one.

**Vulnerability Insight**

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

**Vulnerability Detection Method**

Details: SSL/TLS: Certificate Expired

OID:1.3.6.1.4.1.25623.1.0.103955

Version used: \$Revision: 11103 \$

Medium (CVSS: 4.3) NVT: SSL/TLS: Report Weak Cipher Suites
<b>Summary</b> This routine reports all Weak SSL/TLS cipher suites accepted by a service. NOTE: No severity for SMTP services with 'Opportunistic TLS' and weak cipher suites on port 25/tcp is reported. If too strong cipher suites are configured for this service the alternative would be to fall back to an even more insecure cleartext communication.
<b>Vulnerability Detection Result</b> 'Weak' cipher suites accepted by this service via the SSLv3 protocol: TLS_RSA_WITH_RC4_128_SHA 'Weak' cipher suites accepted by this service via the TLSv1.0 protocol: TLS_RSA_WITH_RC4_128_SHA
<b>Solution</b> <b>Solution type:</b> Mitigation The configuration of this services should be changed so that it does not accept the listed weak cipher suites anymore. Please see the references for more resources supporting you with this task.
<b>Vulnerability Insight</b> These rules are applied for the evaluation of the cryptographic strength: - RC4 is considered to be weak (CVE-2013-2566, CVE-2015-2808). - Ciphers using 64 bit or less are considered to be vulnerable to brute force methods and therefore considered as weak (CVE-2015-4000). - 1024 bit RSA authentication is considered to be insecure and therefore as weak. - Any cipher considered to be secure for only the next 10 years is considered as medium - Any other cipher is considered as strong
<b>Vulnerability Detection Method</b> Details: SSL/TLS: Report Weak Cipher Suites OID:1.3.6.1.4.1.25623.1.0.103440 Version used: \$Revision: 11135 \$
<b>References</b> CVE: CVE-2013-2566, CVE-2015-2808, CVE-2015-4000 Other: URL: <a href="https://www.bsi.bund.de/SharedDocs/Warnmeldungen/DE/CB/warnmeldung_cb-k16-1465_update_6.html">https://www.bsi.bund.de/SharedDocs/Warnmeldungen/DE/CB/warnmeldung_cb-k16-1465_update_6.html</a> URL: <a href="https://bettercrypto.org/">https://bettercrypto.org/</a> URL: <a href="https://mozilla.github.io/server-side-tls/ssl-config-generator/">https://mozilla.github.io/server-side-tls/ssl-config-generator/</a>

Medium (CVSS: 4.3) NVT: SSL/TLS: Deprecated SSLv2 and SSLv3 Protocol Detection
<b>Summary</b> ... continues on next page ...

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It was possible to detect the usage of the deprecated SSLv2 and/or SSLv3 protocol on this system.
<b>Vulnerability Detection Result</b> In addition to TLSv1.0+ the service is also providing the deprecated SSLv3 protocol and supports one or more ciphers. Those supported ciphers can be found in the 'SSL/TLS: Report Weak and Supported Ciphers' (OID: 1.3.6.1.4.1.25623.1.0.802067) NVT.
<b>Impact</b> An attacker might be able to use the known cryptographic flaws to eavesdrop the connection between clients and the service to get access to sensitive data transferred within the secured connection.
<b>Solution</b> <b>Solution type:</b> Mitigation It is recommended to disable the deprecated SSLv2 and/or SSLv3 protocols in favor of the TLSv1+ protocols. Please see the references for more information.
<b>Affected Software/OS</b> All services providing an encrypted communication using the SSLv2 and/or SSLv3 protocols.
<b>Vulnerability Insight</b> The SSLv2 and SSLv3 protocols containing known cryptographic flaws like: - Padding Oracle On Downgraded Legacy Encryption (POODLE, CVE-2014-3566) - Decrypting RSA with Obsolete and Weakened eNcryption (DROWN, CVE-2016-0800)
<b>Vulnerability Detection Method</b> Check the used protocols of the services provided by this system. Details: SSL/TLS: Deprecated SSLv2 and SSLv3 Protocol Detection OID:1.3.6.1.4.1.25623.1.0.111012 Version used: \$Revision: 5547 \$
<b>References</b> CVE: CVE-2016-0800, CVE-2014-3566 Other: URL:https://www.enisa.europa.eu/activities/identity-and-trust/library/deliverables/algorithms-key-sizes-and-parameters-report URL:https://bettercrypto.org/ URL:https://mozilla.github.io/server-side-tls/ssl-config-generator/ URL:https://drownattack.com/ URL:https://www.imperialviolet.org/2014/10/14/poodle.html
Medium (CVSS: 4.3) NVT: SSL/TLS: SSLv3 Protocol CBC Cipher Suites Information Disclosure Vulnerability (POODLE)
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<b>Summary</b>	This host is prone to an information disclosure vulnerability.
<b>Vulnerability Detection Result</b>	Vulnerability was detected according to the Vulnerability Detection Method.
<b>Impact</b>	Successful exploitation will allow a man-in-the-middle attackers gain access to the plain text data stream.
<b>Solution</b>	<b>Solution type:</b> Mitigation Possible Mitigations are: <ul style="list-style-type: none"> <li>- Disable SSLv3</li> <li>- Disable cipher suites supporting CBC cipher modes</li> <li>- Enable TLS_FALLBACK_SCSV if the service is providing TLSv1.0+</li> </ul>
<b>Vulnerability Insight</b>	The flaw is due to the block cipher padding not being deterministic and not covered by the Message Authentication Code
<b>Vulnerability Detection Method</b>	Evaluate previous collected information about this service. Details: SSL/TLS: SSLv3 Protocol CBC Cipher Suites Information Disclosure Vulnerability . ↪.. OID:1.3.6.1.4.1.25623.1.0.802087 Version used: \$Revision: 11402 \$
<b>References</b>	CVE: CVE-2014-3566 BID:70574 Other: <ul style="list-style-type: none"> <li>URL:https://www.openssl.org/~bodo/ssl-poodle.pdf</li> <li>URL:https://www.imperialviolet.org/2014/10/14/poodle.html</li> <li>URL:https://www.dfranke.us/posts/2014-10-14-how-poodle-happened.html</li> <li>URL:http://googleonlinesecurity.blogspot.in/2014/10/this-poodle-bites-exploit-↪ing-ssl-30.html</li> </ul>
Medium (CVSS: 4.0)	
NVT: SSL/TLS: Diffie-Hellman Key Exchange Insufficient DH Group Strength Vulnerability	
<b>Summary</b>	The SSL/TLS service uses Diffie-Hellman groups with insufficient strength (key size < 2048).
<b>Vulnerability Detection Result</b>	Server Temporary Key Size: 1024 bits
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<b>Impact</b> An attacker might be able to decrypt the SSL/TLS communication offline.
<b>Solution</b> <b>Solution type:</b> Workaround Deploy (Ephemeral) Elliptic-Curve Diffie-Hellman (ECDHE) or use a 2048-bit or stronger Diffie-Hellman group (see the references). For Apache Web Servers: Beginning with version 2.4.7, mod_ssl will use DH parameters which include primes with lengths of more than 1024 bits.
<b>Vulnerability Insight</b> The Diffie-Hellman group are some big numbers that are used as base for the DH computations. They can be, and often are, fixed. The security of the final secret depends on the size of these parameters. It was found that 512 and 768 bits to be weak, 1024 bits to be breakable by really powerful attackers like governments.
<b>Vulnerability Detection Method</b> Checks the DHE temporary public key size. Details: SSL/TLS: Diffie-Hellman Key Exchange Insufficient DH Group Strength Vulnerability. ↪.. OID:1.3.6.1.4.1.25623.1.0.106223 Version used: \$Revision: 12865 \$
<b>References</b> Other: URL:https://weakdh.org/ URL:https://weakdh.org/sysadmin.html

Medium (CVSS: 4.0) NVT: SSL/TLS: Certificate Signed Using A Weak Signature Algorithm
<b>Summary</b> The remote service is using a SSL/TLS certificate in the certificate chain that has been signed using a cryptographically weak hashing algorithm.
<b>Vulnerability Detection Result</b> The following certificates are part of the certificate chain but using insecure ↪signature algorithms: Subject: 1.2.840.113549.1.9.1=#726F6F74407562756E74753830342D626173 ↪652E6C6F63616C646F6D61696E,CN=ubuntu804-base.localdomain,OU=Office for Complic ↪ation of Otherwise Simple Affairs,O=OCOSA,L=Everywhere,ST=There is no such thi ↪ng outside US,C=XX Signature Algorithm: sha1WithRSAEncryption
<b>Solution</b> <b>Solution type:</b> Mitigation
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Servers that use SSL/TLS certificates signed with a weak SHA-1, MD5, MD4 or MD2 hashing algorithm will need to obtain new SHA-2 signed SSL/TLS certificates to avoid web browser SSL/TLS certificate warnings.
<p><b>Vulnerability Insight</b></p> <p>The following hashing algorithms used for signing SSL/TLS certificates are considered cryptographically weak and not secure enough for ongoing use:</p> <ul style="list-style-type: none"> <li>- Secure Hash Algorithm 1 (SHA-1)</li> <li>- Message Digest 5 (MD5)</li> <li>- Message Digest 4 (MD4)</li> <li>- Message Digest 2 (MD2)</li> </ul> <p>Beginning as late as January 2017 and as early as June 2016, browser developers such as Microsoft and Google will begin warning users when visiting web sites that use SHA-1 signed Secure Socket Layer (SSL) certificates.</p> <p>NOTE: The script preference allows to set one or more custom SHA-1 fingerprints of CA certificates which are trusted by this routine. The fingerprints needs to be passed comma-separated and case-insensitive:</p> <p>Fingerprint1 or fingerprint1,Fingerprint2</p>
<p><b>Vulnerability Detection Method</b></p> <p>Check which hashing algorithm was used to sign the remote SSL/TLS certificate.</p> <p>Details: SSL/TLS: Certificate Signed Using A Weak Signature Algorithm</p> <p>OID:1.3.6.1.4.1.25623.1.0.105880</p> <p>Version used: \$Revision: 11524 \$</p>
<p><b>References</b></p> <p>Other:</p> <p>URL:<a href="https://blog.mozilla.org/security/2014/09/23/phasing-out-certificates-with-sha-1-based-signature-algorithms/">https://blog.mozilla.org/security/2014/09/23/phasing-out-certificates-with-sha-1-based-signature-algorithms/</a></p>

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## Low 80/tcp

Low (CVSS: 3.5)
NVT: Tiki Wiki CMS Groupware XSS Vulnerability
<p><b>Product detection result</b></p> <p>cpe:/a:tiki:tikiwiki_cms/groupware:1.9.5</p> <p>Detected by Tiki Wiki CMS Groupware Version Detection (OID: 1.3.6.1.4.1.25623.1.0.901001)</p>
<p><b>Summary</b></p> <p>... continues on next page ...</p>

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An XSS vulnerability (via an SVG image) in Tiki allows an authenticated user to gain administrator privileges if an administrator opens a wiki page with a malicious SVG image, related to lib/filegals/filegallib.php.
<b>Vulnerability Detection Result</b> Installed version: 1.9.5 Fixed version: 18.0
<b>Solution</b> <b>Solution type:</b> VendorFix Upgrade to version 18.0 or later.
<b>Affected Software/OS</b> Tiki Wiki CMS Groupware prior to version 18.0.
<b>Vulnerability Detection Method</b> Checks if a vulnerable version is present on the target host. Details: Tiki Wiki CMS Groupware XSS Vulnerability OID:1.3.6.1.4.1.25623.1.0.140797 Version used: \$Revision: 12116 \$
<b>Product Detection Result</b> Product: cpe:/a:tiki:tikiwiki_cms/groupware:1.9.5 Method: Tiki Wiki CMS Groupware Version Detection OID: 1.3.6.1.4.1.25623.1.0.901001)
<b>References</b> CVE: CVE-2018-7188 Other: URL:http://openwall.com/lists/oss-security/2018/02/16/1

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### Low general/tcp

Low (CVSS: 2.6) NVT: TCP timestamps
<b>Summary</b> The remote host implements TCP timestamps and therefore allows to compute the uptime.
<b>Vulnerability Detection Result</b> It was detected that the host implements RFC1323. The following timestamps were retrieved with a delay of 1 seconds in-between: Packet 1: 537950
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Packet 2: 538058	
<b>Impact</b> A side effect of this feature is that the uptime of the remote host can sometimes be computed.	
<b>Solution</b> <b>Solution type:</b> Mitigation To disable TCP timestamps on linux add the line 'net.ipv4.tcp_timestamps = 0' to /etc/sysctl.conf. Execute 'sysctl -p' to apply the settings at runtime. To disable TCP timestamps on Windows execute 'netsh int tcp set global timestamps=disabled' Starting with Windows Server 2008 and Vista, the timestamp can not be completely disabled. The default behavior of the TCP/IP stack on this Systems is to not use the Timestamp options when initiating TCP connections, but use them if the TCP peer that is initiating communication includes them in their synchronize (SYN) segment. See the references for more information.	
<b>Affected Software/OS</b> TCP/IPv4 implementations that implement RFC1323.	
<b>Vulnerability Insight</b> The remote host implements TCP timestamps, as defined by RFC1323.	
<b>Vulnerability Detection Method</b> Special IP packets are forged and sent with a little delay in between to the target IP. The responses are searched for a timestamps. If found, the timestamps are reported. Details: TCP timestamps OID:1.3.6.1.4.1.25623.1.0.80091 Version used: \$Revision: 14310 \$	
<b>References</b> Other: URL: <a href="http://www.ietf.org/rfc/rfc1323.txt">http://www.ietf.org/rfc/rfc1323.txt</a> URL: <a href="http://www.microsoft.com/en-us/download/details.aspx?id=9152">http://www.microsoft.com/en-us/download/details.aspx?id=9152</a>	

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## Low 22/tcp

Low (CVSS: 2.6) NVT: SSH Weak MAC Algorithms Supported	
<b>Summary</b> The remote SSH server is configured to allow weak MD5 and/or 96-bit MAC algorithms.	
<b>Vulnerability Detection Result</b> The following weak client-to-server MAC algorithms are supported by the remote s ... continues on next page ...	

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<pre>↵ervice: hmac-md5 hmac-md5-96 hmac-sha1-96 The following weak server-to-client MAC algorithms are supported by the remote s ↵ervice: hmac-md5 hmac-md5-96 hmac-sha1-96</pre>
<p><b>Solution</b> <b>Solution type:</b> Mitigation Disable the weak MAC algorithms.</p>
<p><b>Vulnerability Detection Method</b> Details: SSH Weak MAC Algorithms Supported OID:1.3.6.1.4.1.25623.1.0.105610 Version used: \$Revision: 13581 \$</p>

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