

Scan Report

November 3, 2023

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 “webserver”. The scan started at Fri Nov 3 22:49:35 2023 UTC and ended at Fri Nov 3 23:28:24 2023 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.

Contents

1	Result Overview	2
1.1	Host Authentications	2
2	Results per Host	2
2.1	10.200.0.12	2
2.1.1	High general/tcp	3
2.1.2	High 5900/tcp	4
2.1.3	High 8787/tcp	4
2.1.4	High 1524/tcp	5
2.1.5	High 21/tcp	6
2.1.6	High 3632/tcp	7
2.1.7	High 6200/tcp	8
2.1.8	High 5432/tcp	9
2.1.9	High 80/tcp	9
2.1.10	Medium 6667/tcp	13
2.1.11	Medium 5900/tcp	14
2.1.12	Medium 21/tcp	15
2.1.13	Medium 5432/tcp	16
2.1.14	Medium 80/tcp	23
2.1.15	Medium 22/tcp	31
2.1.16	Low general/tcp	33
2.1.17	Low 22/tcp	34

1 Result Overview

Host	High	Medium	Low	Log	False Positive
10.200.0.12 www.seclab.net	12	21	2	0	0
Total: 1	12	21	2	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 35 results selected by the filtering described above. Before filtering there were 337 results.

1.1 Host Authentications

Host	Protocol	Result	Port/User
10.200.0.12 - www.seclab.net	SMB	Success	Protocol SMB, Port 445, User

2 Results per Host

2.1 10.200.0.12

Host scan start Fri Nov 3 22:49:56 2023 UTC

Host scan end Fri Nov 3 23:28:24 2023 UTC

Service (Port)	Threat Level
general/tcp	High
5900/tcp	High
8787/tcp	High
1524/tcp	High
21/tcp	High
3632/tcp	High
6200/tcp	High
5432/tcp	High
80/tcp	High

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

2.1.1 High general/tcp

High (CVSS: 10.0) NVT: OS End Of Life Detection
Product detection result 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)
Summary OS End Of Life Detection The Operating System on the remote host has reached the end of life and should not be used anymore.
Vulnerability Detection Result 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
Solution Solution type: Mitigation
Vulnerability Detection Method Details: OS End Of Life Detection OID:1.3.6.1.4.1.25623.1.0.103674 Version used: \$Revision: 8927 \$
Product Detection Result 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)

[\[return to 10.200.0.12 \]](#)

2.1.2 High 5900/tcp

High (CVSS: 9.0) NVT: VNC Brute Force Login
Summary Try to log in with given passwords via VNC protocol.
Vulnerability Detection Result It was possible to connect to the VNC server with the password: password
Solution Solution type: Mitigation Change the password to something hard to guess or enable password protection at all.
Vulnerability Insight 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.
Vulnerability Detection Method Details: VNC Brute Force Login OID:1.3.6.1.4.1.25623.1.0.106056 Version used: \$Revision: 13328 \$

[\[return to 10.200.0.12 \]](#)

2.1.3 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/ ... continues on next page ...

<pre> ...continued from previous page... ↪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:errno+:mesg"Function not im ↪plemented </pre>
<p>Impact</p> <p>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.</p>
<p>Solution</p> <p>Solution type: Mitigation</p> <p>Administrators of environments that rely on Distributed Ruby should ensure that appropriate controls are in place. Code-level controls may include:</p> <ul style="list-style-type: none"> - Implementing taint on untrusted input - Setting \$SAFE levels appropriately (>=2 is recommended if untrusted hosts are allowed to submit Ruby commands, and >=3 may be appropriate) - Including drb/acl.rb to set ACLEntry to restrict access to trusted hosts
<p>Vulnerability Detection Method</p> <p>Send a crafted command to the service and check for a remote command execution via the instance_eval or syscall requests.</p> <p>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 \$</p>
<p>References</p> <p>BID:47071</p> <p>Other:</p> <ul style="list-style-type: none"> 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 10.200.0.12](#)]

2.1.4 High 1524/tcp

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

[[return to 10.200.0.12](#)]

2.1.5 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.
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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>[\[return to 10.200.0.12 \]](#)**2.1.6 High 3632/tcp**

High (CVSS: 9.3)

NVT: DistCC Remote Code Execution Vulnerability

Summary

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.

Vulnerability Detection Result

It was possible to execute the "id" command.

Result: uid=1(daemon) gid=1(daemon)

Impact

DistCC by default trusts its clients completely that in turn could allow a malicious client to execute arbitrary commands on the server.

Solution**Solution type:** VendorFix

Vendor updates are available. Please see the references for more information.

For more information about DistCC's security see the references.

Vulnerability Detection Method

Details: DistCC Remote Code Execution Vulnerability

OID:1.3.6.1.4.1.25623.1.0.103553

Version used: \$Revision: 12032 \$

References

CVE: CVE-2004-2687

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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>[\[return to 10.200.0.12 \]](#)**2.1.7 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-backdoored.html>URL: <https://security.appspot.com/vsftpd.html>[\[return to 10.200.0.12 \]](#)

2.1.8 High 5432/tcp

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

[\[return to 10.200.0.12 \]](#)

2.1.9 High 80/tcp

High (CVSS: 10.0) NVT: TWiki XSS and Command Execution Vulnerabilities
Product detection result cpe:/a:twiki:twiki:01.Feb.2003 Detected by TWiki Version Detection (OID: 1.3.6.1.4.1.25623.1.0.800399)
Summary The host is running TWiki and is prone to Cross-Site Scripting (XSS) and Command Execution Vulnerabilities. ... continues on next page ...

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Vulnerability Detection Result Installed version: 01.Feb.2003 Fixed version: 4.2.4
Impact 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.
Solution Solution type: VendorFix Upgrade to version 4.2.4 or later.
Affected Software/OS TWiki, TWiki version prior to 4.2.4.
Vulnerability Insight The flaws are due to, - %URLPARAM}% variable is not properly sanitized which lets attackers conduct cross-site scripting attack. - %SEARCH}% variable is not properly sanitised before being used in an eval() call which lets the attackers execute perl code through eval injection attack.
Vulnerability Detection Method Details: TWiki XSS and Command Execution Vulnerabilities OID:1.3.6.1.4.1.25623.1.0.800320 Version used: \$Revision: 12952 \$
Product Detection Result Product: cpe:/a:twiki:twiki:01.Feb.2003 Method: TWiki Version Detection OID: 1.3.6.1.4.1.25623.1.0.800399)
References 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
High (CVSS: 7.5) NVT: phpinfo() output Reporting
Summary ... continues on next page ...

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Many PHP installation tutorials instruct the user to create a file called <code>phpinfo.php</code> or similar containing the <code>phpinfo()</code> statement. Such a file is often left back in the webserver directory.
Vulnerability Detection Result The following files are calling the function <code>phpinfo()</code> which disclose potentially sensitive information: http://www.seclab.net/mutillidae/phpinfo.php http://www.seclab.net/phpinfo.php
Impact 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.
Solution Solution type: Workaround Delete the listed files or restrict access to them.
Vulnerability Detection Method Details: <code>phpinfo()</code> output Reporting OID:1.3.6.1.4.1.25623.1.0.11229 Version used: \$Revision: 11992 \$

High (CVSS: 7.5) NVT: PHP-CGI-based setups vulnerability when parsing query string parameters from php files.
Summary PHP is prone to an information-disclosure vulnerability.
Vulnerability Detection Result Vulnerable url: http://www.seclab.net/cgi-bin/php
Impact 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.
Solution Solution type: 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.
Vulnerability Insight ... continues on next page ...

<p>...continued from previous page ...</p> <p>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.</p> <p>An example of the -s command, allowing an attacker to view the source code of index.php is below:</p> <p>http://example.com/index.php?-s</p>
<p>Vulnerability Detection Method</p> <p>Details: PHP-CGI-based setups vulnerability when parsing query string parameters from ph. ↪...</p> <p>OID:1.3.6.1.4.1.25623.1.0.103482</p> <p>Version used: \$Revision: 13679 \$</p>
<p>References</p> <p>CVE: CVE-2012-1823, CVE-2012-2311, CVE-2012-2336, CVE-2012-2335</p> <p>BID:53388</p> <p>Other:</p> <p>URL:http://www.h-online.com/open/news/item/Critical-open-hole-in-PHP-creates-risks-Update-1567532.html ↪isks-Update-1567532.html</p> <p>URL:http://www.kb.cert.org/vuls/id/520827</p> <p>URL:http://eindbazen.net/2012/05/php-cgi-advisory-cve-2012-1823/</p> <p>URL:https://bugs.php.net/bug.php?id=61910</p> <p>URL:http://www.php.net/manual/en/security.cgi-bin.php</p> <p>URL:http://www.securityfocus.com/bid/53388</p>
<p>High (CVSS: 7.5)</p> <p>NVT: Test HTTP dangerous methods</p>
<p>Summary</p> <p>Misconfigured web servers allows remote clients to perform dangerous HTTP methods such as PUT and DELETE.</p> <p>This script checks if they are enabled and can be misused to upload or delete files.</p>
<p>Vulnerability Detection Result</p> <p>We could upload the following files via the PUT method at this web server:</p> <p>http://www.seclab.net/dav/puttest592537973.html</p> <p>We could delete the following files via the DELETE method at this web server:</p> <p>http://www.seclab.net/dav/puttest592537973.html</p>
<p>Impact</p> <ul style="list-style-type: none"> - 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>Solution</p>
<p>... continues on next page ...</p>

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Solution type: Mitigation Use access restrictions to these dangerous HTTP methods or disable them completely.
Vulnerability Detection Method Details: Test HTTP dangerous methods OID:1.3.6.1.4.1.25623.1.0.10498 Version used: 2019-04-24T07:26:10+0000
References BID:12141 Other: OWASP:OWASP-CM-001

[\[return to 10.200.0.12 \]](#)

2.1.10 Medium 6667/tcp

Medium (CVSS: 6.8) NVT: UnrealIRCd Authentication Spoofing Vulnerability
Product detection result cpe:/a:unrealircd:unrealircd:3.2.8.1 Detected by UnrealIRCd Detection (OID: 1.3.6.1.4.1.25623.1.0.809884)
Summary This host is installed with UnrealIRCd and is prone to authentication spoofing vulnerability.
Vulnerability Detection Result Installed version: 3.2.8.1 Fixed version: 3.2.10.7
Impact Successful exploitation of this vulnerability will allows remote attackers to spoof certificate fingerprints and consequently log in as another user.
Solution Solution type: VendorFix Upgrade to UnrealIRCd 3.2.10.7, or 4.0.6, or later.
Affected Software/OS UnrealIRCd before 3.2.10.7 and 4.x before 4.0.6.
Vulnerability Insight The flaw exists due to an error in the 'm_authenticate' function in 'modules/m_sasl.c' script.
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Vulnerability Detection Method

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 \$

Product Detection Result

Product: cpe:/a:unrealircd:unrealircd:3.2.8.1

Method: UnrealIRCd Detection

OID: 1.3.6.1.4.1.25623.1.0.809884)

References

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[\[return to 10.200.0.12 \]](#)**2.1.11 Medium 5900/tcp**

Medium (CVSS: 4.8)

NVT: VNC Server Unencrypted Data Transmission

Summary

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.

Vulnerability Detection Result

The VNC server provides the following insecure or cryptographically weak Security Type(s):

2 (VNC authentication)

Impact

An attacker can uncover sensitive data by sniffing traffic to the VNC server.

Solution**Solution type:** Mitigation

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.

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Vulnerability Detection Method

Details: VNC Server Unencrypted Data Transmission

OID:1.3.6.1.4.1.25623.1.0.108529

Version used: \$Revision: 13014 \$

References

Other:

URL:<https://tools.ietf.org/html/rfc6143#page-10>[\[return to 10.200.0.12 \]](#)**2.1.12 Medium 21/tcp**

Medium (CVSS: 6.4)

NVT: Anonymous FTP Login Reporting

Summary

Reports if the remote FTP Server allows anonymous logins.

Vulnerability Detection Result

It was possible to login to the remote FTP service with the following anonymous ↪account(s):

anonymous:anonymous@example.com

ftp:anonymous@example.com

Impact

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.

Solution**Solution type:** Mitigation

If you do not want to share files, you should disable anonymous logins.

Vulnerability Insight

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.

Vulnerability Detection Method

Details: Anonymous FTP Login Reporting

OID:1.3.6.1.4.1.25623.1.0.900600

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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 \$

[\[return to 10.200.0.12 \]](#)

2.1.13 Medium 5432/tcp

Medium (CVSS: 6.8) NVT: SSL/TLS: OpenSSL CCS Man in the Middle Security Bypass Vulnerability
Summary OpenSSL is prone to security-bypass vulnerability.
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Vulnerability Detection Result Vulnerability was detected according to the Vulnerability Detection Method.
Impact 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.
Solution Solution type: VendorFix Updates are available. Please see the references for more information.
Affected Software/OS OpenSSL before 0.9.8za, 1.0.0 before 1.0.0m and 1.0.1 before 1.0.1h.
Vulnerability Insight 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.
Vulnerability Detection Method 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: 2019-07-05T10:04:07+0000
References CVE: CVE-2014-0224 BID:67899 Other: URL: https://www.openssl.org/news/secadv/20140605.txt URL: http://www.securityfocus.com/bid/67899
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 ... continues on next page ...

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<pre> ↵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 </pre>
<p>Solution</p> <p>Solution type: Mitigation</p> <p>Replace the SSL/TLS certificate by a new one.</p>
<p>Vulnerability Insight</p> <p>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>Vulnerability Detection Method</p> <p>Details: SSL/TLS: Certificate Expired</p> <p>OID:1.3.6.1.4.1.25623.1.0.103955</p> <p>Version used: \$Revision: 11103 \$</p>
<p>Medium (CVSS: 4.3)</p> <p>NVT: SSL/TLS: Deprecated SSLv2 and SSLv3 Protocol Detection</p>
<p>Summary</p> <p>It was possible to detect the usage of the deprecated SSLv2 and/or SSLv3 protocol on this system.</p>
<p>Vulnerability Detection Result</p> <p>In addition to TLSv1.0+ the service is also providing the deprecated SSLv3 proto ↵col and supports one or more ciphers. Those supported ciphers can be found in ↵the 'SSL/TLS: Report Weak and Supported Ciphers' (OID: 1.3.6.1.4.1.25623.1.0.8 ↵02067) NVT.</p>
<p>Impact</p> <p>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>Solution</p> <p>Solution type: Mitigation</p>
... continues on next page ...

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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.
Affected Software/OS All services providing an encrypted communication using the SSLv2 and/or SSLv3 protocols.
Vulnerability Insight 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)
Vulnerability Detection Method 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 \$
References 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: Report Weak Cipher Suites
Summary 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.
Vulnerability Detection Result '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
Solution Solution type: Mitigation The configuration of this services should be changed so that it does not accept the listed weak cipher suites anymore.
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Please see the references for more resources supporting you with this task.
Vulnerability Insight These rules are applied for the evaluation of the cryptographic strength: <ul style="list-style-type: none"> - 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
Vulnerability Detection Method Details: SSL/TLS: Report Weak Cipher Suites OID:1.3.6.1.4.1.25623.1.0.103440 Version used: \$Revision: 11135 \$
References CVE: CVE-2013-2566, CVE-2015-2808, CVE-2015-4000 Other: <ul style="list-style-type: none"> URL: https://www.bsi.bund.de/SharedDocs/Warnmeldungen/DE/CB/warnmeldung_cb-k16-1465_update_6.html URL: https://bettercrypto.org/ URL: https://mozilla.github.io/server-side-tls/ssl-config-generator/
Medium (CVSS: 4.3) NVT: SSL/TLS: SSLv3 Protocol CBC Cipher Suites Information Disclosure Vulnerability (POODLE)
Summary This host is prone to an information disclosure vulnerability.
Vulnerability Detection Result Vulnerability was detected according to the Vulnerability Detection Method.
Impact Successful exploitation will allow a man-in-the-middle attackers gain access to the plain text data stream.
Solution Solution type: Mitigation Possible Mitigations are: <ul style="list-style-type: none"> - Disable SSLv3 - Disable cipher suites supporting CBC cipher modes - Enable TLS_FALLBACK_SCSV if the service is providing TLSv1.0+
Vulnerability Insight ... continues on next page ...

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The flaw is due to the block cipher padding not being deterministic and not covered by the Message Authentication Code
Vulnerability Detection Method 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 \$
References CVE: CVE-2014-3566 BID:70574 Other: URL:https://www.openssl.org/~bodo/ssl-poodle.pdf URL:https://www.imperialviolet.org/2014/10/14/poodle.html URL:https://www.dfranke.us/posts/2014-10-14-how-poodle-happened.html URL:http://googleonlinesecurity.blogspot.in/2014/10/this-poodle-bites-exploit ↪ing-ssl-30.html
Medium (CVSS: 4.0) NVT: SSL/TLS: Certificate Signed Using A Weak Signature Algorithm
Summary The remote service is using a SSL/TLS certificate in the certificate chain that has been signed using a cryptographically weak hashing algorithm.
Vulnerability Detection Result 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
Solution Solution type: 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.
Vulnerability Insight 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) - Message Digest 5 (MD5)
... continues on next page ...

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<p>- Message Digest 4 (MD4) - Message Digest 2 (MD2)</p> <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>Vulnerability Detection Method</p> <p>Check which hashing algorithm was used to sign the remote SSL/TLS certificate. Details: SSL/TLS: Certificate Signed Using A Weak Signature Algorithm OID:1.3.6.1.4.1.25623.1.0.105880 Version used: \$Revision: 11524 \$</p>
<p>References</p> <p>Other: URL:https://blog.mozilla.org/security/2014/09/23/phasing-out-certificates-with-sha-1-based-signature-algorithms/</p>

<p>Medium (CVSS: 4.0) NVT: SSL/TLS: Diffie-Hellman Key Exchange Insufficient DH Group Strength Vulnerability</p>
<p>Summary</p> <p>The SSL/TLS service uses Diffie-Hellman groups with insufficient strength (key size < 2048).</p>
<p>Vulnerability Detection Result</p> <p>Server Temporary Key Size: 1024 bits</p>
<p>Impact</p> <p>An attacker might be able to decrypt the SSL/TLS communication offline.</p>
<p>Solution</p> <p>Solution type: Workaround</p> <p>Deploy (Ephemeral) Elliptic-Curve Diffie-Hellman (ECDHE) or use a 2048-bit or stronger Diffie-Hellman group (see the references).</p> <p>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.</p>
<p>Vulnerability Insight</p> <p>... continues on next page ...</p>

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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.
Vulnerability Detection Method 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 \$
References Other: URL:https://weakdh.org/ URL:https://weakdh.org/sysadmin.html

[[return to 10.200.0.12](#)]

2.1.14 Medium 80/tcp

Medium (CVSS: 6.8) NVT: TWiki Cross-Site Request Forgery Vulnerability - Sep10
Product detection result cpe:/a:twiki:twiki:01.Feb.2003 Detected by TWiki Version Detection (OID: 1.3.6.1.4.1.25623.1.0.800399)
Summary The host is running TWiki and is prone to Cross-Site Request Forgery vulnerability.
Vulnerability Detection Result Installed version: 01.Feb.2003 Fixed version: 4.3.2
Impact Successful exploitation will allow attacker to gain administrative privileges on the target application and can cause CSRF attack.
Solution Solution type: VendorFix Upgrade to TWiki version 4.3.2 or later.
Affected Software/OS TWiki version prior to 4.3.2
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Vulnerability Insight 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.
Vulnerability Detection Method Details: TWiki Cross-Site Request Forgery Vulnerability - Sep10 OID:1.3.6.1.4.1.25623.1.0.801281 Version used: \$Revision: 12952 \$
Product Detection Result Product: cpe:/a:twiki:twiki:01.Feb.2003 Method: TWiki Version Detection OID: 1.3.6.1.4.1.25623.1.0.800399)
References 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: 6.0) NVT: TWiki Cross-Site Request Forgery Vulnerability
Product detection result cpe:/a:twiki:twiki:01.Feb.2003 Detected by TWiki Version Detection (OID: 1.3.6.1.4.1.25623.1.0.800399)
Summary The host is running TWiki and is prone to Cross-Site Request Forgery Vulnerability.
Vulnerability Detection Result Installed version: 01.Feb.2003 Fixed version: 4.3.1
Impact Successful exploitation will allow attacker to gain administrative privileges on the target application and can cause CSRF attack.
Solution Solution type: VendorFix
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Upgrade to version 4.3.1 or later.
Affected Software/OS TWiki version prior to 4.3.1
Vulnerability Insight 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.
Vulnerability Detection Method Details: TWiki Cross-Site Request Forgery Vulnerability OID:1.3.6.1.4.1.25623.1.0.800400 Version used: \$Revision: 12952 \$
Product Detection Result Product: cpe:/a:twiki:twiki:01.Feb.2003 Method: TWiki Version Detection OID: 1.3.6.1.4.1.25623.1.0.800399)
References 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/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
Summary 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.
Vulnerability Detection Result The web server has the following HTTP methods enabled: TRACE
Impact An attacker may use this flaw to trick your legitimate web users to give him their credentials.
Solution Solution type: Mitigation Disable the TRACE and TRACK methods in your web server configuration.
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Please see the manual of your web server or the references for more information.
Affected Software/OS Web servers with enabled TRACE and/or TRACK methods.
Vulnerability Insight 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.
Vulnerability Detection Method Details: HTTP Debugging Methods (TRACE/TRACK) Enabled OID:1.3.6.1.4.1.25623.1.0.11213 Version used: \$Revision: 10828 \$
References 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:http://www.kb.cert.org/vuls/id/288308 URL:http://www.kb.cert.org/vuls/id/867593 URL:http://httpd.apache.org/docs/current/de/mod/core.html#traceenable URL:https://www.owasp.org/index.php/Cross_Site_Tracing

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://www.seclab.net/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
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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://www.seclab.net/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.
Solution Solution type: 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.
Affected Software/OS awiki 20100125 is vulnerable. Other versions may also be affected.
Vulnerability Detection Method Details: awiki Multiple Local File Include Vulnerabilities OID:1.3.6.1.4.1.25623.1.0.103210 Version used: \$Revision: 10741 \$
References 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
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Summary The host / application transmits sensitive information (username, passwords) in cleartext via HTTP.
Vulnerability Detection Result The following input fields were identified (URL:input name): http://www.seclab.net/phpMyAdmin/:pma_password http://www.seclab.net/phpMyAdmin/?D=A:pma_password http://www.seclab.net/tikiwiki/tiki-install.php:pass
Impact 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.
Solution Solution type: 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.
Affected Software/OS Hosts / applications which doesn't enforce the transmission of sensitive data via an encrypted SSL/TLS connection.
Vulnerability Detection Method 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 \$
References 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
Product detection result cpe:/a:twiki:twiki:01.Feb.2003
...continues on next page...

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Detected by TWiki Version Detection (OID: 1.3.6.1.4.1.25623.1.0.800399)
Summary bin/statistics in TWiki 6.0.2 allows XSS via the webs parameter.
Vulnerability Detection Result Installed version: 01.Feb.2003 Fixed version: 6.1.0
Solution Solution type: VendorFix Update to version 6.1.0 or later.
Affected Software/OS TWiki version 6.0.2 and probably prior.
Vulnerability Detection Method Checks if a vulnerable version is present on the target host. Details: TWiki < 6.1.0 XSS Vulnerability OID:1.3.6.1.4.1.25623.1.0.141830 Version used: 2019-03-26T08:16:24+0000
Product Detection Result Product: cpe:/a:twiki:twiki:01.Feb.2003 Method: TWiki Version Detection OID: 1.3.6.1.4.1.25623.1.0.800399)
References 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
Product detection result cpe:/a:phpmyadmin:phpmyadmin:3.1.1 Detected by phpMyAdmin Detection (OID: 1.3.6.1.4.1.25623.1.0.900129)
Summary The host is running phpMyAdmin and is prone to Cross-Site Scripting Vulnerability.
... continues on next page ...

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Vulnerability Detection Result Vulnerability was detected according to the Vulnerability Detection Method.
Impact Successful exploitation will allow attackers to inject arbitrary HTML code within the error page and conduct phishing attacks.
Solution Solution type: 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.
Affected Software/OS phpMyAdmin version 3.3.8.1 and prior.
Vulnerability Insight 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.
Vulnerability Detection Method Details: phpMyAdmin 'error.php' Cross Site Scripting Vulnerability OID: 1.3.6.1.4.1.25623.1.0.801660 Version used: \$Revision: 11553 \$
Product Detection Result Product: cpe:/a:phpmyadmin:phpmyadmin:3.1.1 Method: phpMyAdmin Detection OID: 1.3.6.1.4.1.25623.1.0.900129)
References CVE: CVE-2010-4480 Other: URL: http://www.exploit-db.com/exploits/15699/ URL: http://www.vupen.com/english/advisories/2010/3133
Medium (CVSS: 4.3) NVT: Apache HTTP Server 'httpOnly' Cookie Information Disclosure Vulnerability
Summary This host is running Apache HTTP Server and is prone to cookie information disclosure vulnerability.
Vulnerability Detection Result ... continues on next page ...

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Vulnerability was detected according to the Vulnerability Detection Method.
Impact Successful exploitation will allow attackers to obtain sensitive information that may aid in further attacks.
Solution Solution type: VendorFix Upgrade to Apache HTTP Server version 2.2.22 or later.
Affected Software/OS Apache HTTP Server versions 2.2.0 through 2.2.21
Vulnerability Insight 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.
Vulnerability Detection Method Details: Apache HTTP Server 'httpOnly' Cookie Information Disclosure Vulnerability OID:1.3.6.1.4.1.25623.1.0.902830 Version used: \$Revision: 11857 \$
References 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 10.200.0.12](#)]

2.1.15 Medium 22/tcp

Medium (CVSS: 4.3) NVT: SSH Weak Encryption Algorithms Supported
Summary The remote SSH server is configured to allow weak encryption algorithms.
Vulnerability Detection Result The following weak client-to-server encryption algorithms are supported by the r ... continues on next page ...

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```
↵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 r

```
↵remote service:
```

```
3des-cbc
```

```
aes128-cbc
```

```
aes192-cbc
```

```
aes256-cbc
```

```
arcfour
```

```
arcfour128
```

```
arcfour256
```

```
blowfish-cbc
```

```
cast128-cbc
```

```
rijndael-cbc@lysator.liu.se
```

Solution

Solution type: Mitigation

Disable the weak encryption algorithms.

Vulnerability Insight

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.

Vulnerability Detection Method

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 \$

References

Other:

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

URL:<https://www.kb.cert.org/vuls/id/958563>

[\[return to 10.200.0.12 \]](#)

2.1.16 Low general/tcp

Low (CVSS: 2.6) NVT: TCP timestamps
Summary The remote host implements TCP timestamps and therefore allows to compute the uptime.
Vulnerability Detection Result It was detected that the host implements RFC1323. The following timestamps were retrieved with a delay of 1 seconds in-between: Packet 1: 788011 Packet 2: 788117
Impact A side effect of this feature is that the uptime of the remote host can sometimes be computed.
Solution Solution type: 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.
Affected Software/OS TCP/IPv4 implementations that implement RFC1323.
Vulnerability Insight The remote host implements TCP timestamps, as defined by RFC1323.
Vulnerability Detection Method 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 \$
References Other: URL: http://www.ietf.org/rfc/rfc1323.txt URL: http://www.microsoft.com/en-us/download/details.aspx?id=9152

[\[return to 10.200.0.12 \]](#)

2.1.17 Low 22/tcp

Low (CVSS: 2.6) NVT: SSH Weak MAC Algorithms Supported
Summary The remote SSH server is configured to allow weak MD5 and/or 96-bit MAC algorithms.
Vulnerability Detection Result The following weak client-to-server MAC algorithms are supported by the remote s↵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
Solution Solution type: Mitigation Disable the weak MAC algorithms.
Vulnerability Detection Method Details: SSH Weak MAC Algorithms Supported OID:1.3.6.1.4.1.25623.1.0.105610 Version used: \$Revision: 13581 \$

[\[return to 10.200.0.12 \]](#)