

Silverpeak VXOA 8.1 Software Vulnerabilities

Libraries and software with known vulnerabilities

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Summary

Silver Peak published information related main third-party software libraries used in VXOA 8.1. The information is available at this [link](#). This is a great example to illustrate the flavour of SD-WAN security, how SD-WAN products are being developed and how some vendors approach a patch management process.

Below you can find some basic analytics related to the number of vulnerabilities, their types, exploits, etc.

Software List

The following software is used according to the licenses:

- php 5.1.6 module for Apache (and dependent modules)
- Apache 2.2.6
- OpenSSL 1.0.1j
- Express.js 3.1.0
- Lodash.js 2.4.1
- Moment (js) 2.8.3
- Ws(websockets) 0.7.4
- Socket-io-client 1.0.0
- Node-inspector 0.7.3
- JQuery 2.1.0
- JQuery-UI 1.10.0
- Knockout.js 2.2.1
- Linux Fedora Core 6
- busybox 1.0.0
- Linux Kernel 2.6.38.6-rc1 (rc2, ...)
- NET-SNMP 5.1.2
- OpenSSH OpenSSH_5.2p1
- Sysklogd 1.4.1
- jansson 2.4-2
- libmicrohttpd 0.9.25-1.1
- open-vm-tools 8.4.2
- libevent

Vulnerabilities

PHP 5.1.6 module for Apache (and dependent modules)

Total number of vulnerabilities: 142

Types: Overflow, DoS, XSS, Code Execution, SQL + exploits

Full list of vulnerabilities:

1. https://www.cvedetails.com/vulnerability-list/vendor_id-74/product_id-128/version_id-36749/PHP-PHP-5.1.6.html

CVE with Exploits:

1. <https://www.cvedetails.com/cve/CVE-2011-4885/>
2. <https://www.cvedetails.com/cve/CVE-2011-0421/>
3. <https://www.cvedetails.com/cve/CVE-2011-0708/>
4. <https://www.cvedetails.com/cve/CVE-2011-1092/>
5. <https://www.cvedetails.com/cve/CVE-2012-2376/>

Apache 2.2.6

Total number of vulnerabilities: 41

Types: Overflow, DoS, XSS, Code Execution, CSRF

Full list of vulnerabilities:

1. https://www.cvedetails.com/vulnerability-list/vendor_id-45/product_id-66/version_id-50156/Apache-Http-Server-2.2.6.html

CVE with Exploits:

1. <https://www.cvedetails.com/cve/CVE-2011-3368/>
2. <https://www.cvedetails.com/cve/CVE-2011-3192/>

openssl 1.0.1j

Total number of vulnerabilities: 44

Types: Dos, Overflow, Memory Corruption,

Full list of vulnerabilities:

1. https://www.cvedetails.com/vulnerability-list/vendor_id-217/product_id-383/version_id-178264/Openssl-Openssl-1.0.1j.html

CVSS 10.0:

1. <https://www.cvedetails.com/cve/CVE-2016-0705/>
2. <https://www.cvedetails.com/cve/CVE-2016-0799/>
3. <https://www.cvedetails.com/cve/CVE-2016-2842/>

Express.js 3.1.0

Total number of vulnerabilities: 10 (3 high, 6 medium, 1 low)

Types: DoS, ReDoS, Prototype Pollution, XSS, Path Traversal, Disclosures

Full list of vulnerabilities:

1. <https://snyk.io/test/npm/express/3.1.0>

Lodash.js 2.4.1

Total number of vulnerabilities: 4 (2 high, 2 medium)

Types: Prototype Pollution, ReDoS

Full list of vulnerabilities:

1. <https://snyk.io/test/npm/lodash/2.4.1>

Moment (js) 2.8.3

Total number of vulnerabilities: 3 (2 medium, 1 low)

Types: ReDoS

Full list of vulnerabilities:

1. <https://snyk.io/test/npm/moment/2.8.3>

Ws(websockets) 0.7.4

Total number of vulnerabilities: 4 (2 high, 2 medium)

Types: Dos, Insecure Random, Remote Memory Exposure

Full list of vulnerabilities:

1. <https://snyk.io/test/npm/ws/0.8.0>

Socket-io-client 1.0.0

Total number of vulnerabilities: 3 (1 high, 2 low)

Types: ReDoS

Full list of vulnerabilities:

1. <https://snyk.io/test/npm/socketio>

Node-inspector 0.7.3

Total number of vulnerabilities: 20 (9 high, 9 medium, 2 low)

Types: DoS, Memory Exhaustion, Prototype Pollution, ReDoS, Code Injection, XSS, Directory Traversal, Insecure Randomness, ...

Full list of vulnerabilities:

1. <https://snyk.io/test/npm/node-inspector/0.7.3>

JQuery 2.1.0

Total number of vulnerabilities: 2 (2 medium)

Types: XSS, Prototype Pollution

Full list of vulnerabilities:

1. <https://snyk.io/test/npm/jquery/2.1.0>

JQuery-UI 1.10.0

Total number of vulnerabilities: 1 (CVSS 4.3)

Type: XSS

Link:

1. <https://www.cvedetails.com/cve/CVE-2016-7103/>

Knockout.js 2.2.1

Total number of vulnerabilities: 2 (2 medium)

Types: XSS

Full list of vulnerabilities:

1. <https://snyk.io/test/npm/knockout/2.2.1>

Linux Fedora Core 6

Total number of vulnerabilities: 1 (CVSS 9.3)

Type: Execute Arbitrary Code via Integer Overflow

Link:

1. https://www.cvedetails.com/vulnerability-list/vendor_id-25/product_id-3640/version_id-47687/Redhat-Fedora-Core-6.html

busybox 1.0.0

Total number of vulnerabilities: 5 (CVSS 5.0 - 7.8)

Types: Information Leakage, Execute Arbitrary code, DoS

Full list of vulnerabilities:

1. https://www.cvedetails.com/vulnerability-list/vendor_id-4282/product_id-7452/version_id-129329/Busybox-Busybox-1.00.html

Linux Kernel 2.6.38.6-rc1 (rc2, ...)

Total number of vulnerabilities: 1

Type: Race Condition

Link:

1. <https://www.securityfocus.com/bid/108283>

NET-SNMP 5.1.2

Total number of vulnerabilities: 7 (CVSS 4.0 - 10.0)

Types: DoS, Code Execution

Full list of vulnerabilities:

1. https://www.cvedetails.com/vulnerability-list/vendor_id-1293/product_id-2253/version_id-23403/Net-snmp-Net-snmp-5.1.2.html

OpenSSH 5.2p1

Total number of vulnerabilities: 1 (CVSS 5.0)

Type: DoS

Link:

1. https://www.cvedetails.com/vulnerability-list/vendor_id-97/product_id-585/version_id-188821/year-2018/Openbsd-Openssh-5.2.html

Syslogd 1.4.1

Total number of vulnerabilities: 2 (CVSS 5.0 - 7.5)

Types: DoS, DoS Exec Code Overflow

Full list of vulnerabilities:

1. https://www.cvedetails.com/vulnerability-list/vendor_id-14252/product_id-29360/version_id-174074/Syslogd-Project-Syslogd-1.4.1.html

jansson 2.4-2

Total number of vulnerabilities: 2 (CVSS 5.0)

Types: DoS

Full list of vulnerabilities:

1. https://www.cvedetails.com/vulnerability-list/vendor_id-13196/Jansson-Project.html

libmicrohttpd 0.9.25-1.1

Total number of vulnerabilities: 2 (CVSS 5.1 - 6.4)

Types: Dos, Overflow

Full list of vulnerabilities:

1. https://www.cvedetails.com/vulnerability-list/vendor_id-72/product_id-26645/GNU-Libmicrohttpd.html

open-vm-tools 8.4.2

Total number of vulnerabilities: 1 (CVSS 3.3)

Types: File corruption

Link:

1. https://www.cvedetails.com/vulnerability-list/vendor_id-252/product_id-20666/Vmware-Open-vm-tools.html

libevent

Total number of vulnerabilities: 3

Types: Boundary Condition Error

Full list of vulnerabilities:

1. <https://www.securityfocus.com/bid/96014>