



# CVE-2019-9513

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2019-9513
<b>State</b>	PUBLIC
<b>Assigner</b>	cert@cert.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2019-08-13 21:15:00 UTC
<b>Updated</b>	2023-11-07 03:13:00 UTC
<b>Description</b>	Some HTTP/2 implementations are vulnerable to resource loops, potentially leading to a denial of service. The attacker cre

## Risk And Classification

**Problem Types:** NVD-CWE-Other

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	<a href="#">Apache</a>	<a href="#">Traffic Server</a>	All	All	All	All
Application	<a href="#">Apache</a>	<a href="#">Traffic Server</a>	All	All	All	All
Application	<a href="#">Apache</a>	<a href="#">Traffic Server</a>	All	All	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Mac Os X</a>	All	All	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Mac Os X</a>	All	All	All	All
Application	<a href="#">Apple</a>	<a href="#">Swiftnio</a>	All	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	All	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	All	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	16.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	18.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	19.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	16.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	18.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	19.04	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	10.0	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	9.0	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	10.0	All	All	All

Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	9.0	All	All	All
Application	<a href="#">F5</a>	<a href="#">Nginx</a>	All	All	All	All
Application	<a href="#">F5</a>	<a href="#">Nginx</a>	All	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	29	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	30	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	29	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	30	All	All	All
Application	<a href="#">Mcafee</a>	<a href="#">Web Gateway</a>	All	All	All	All
Application	<a href="#">Mcafee</a>	<a href="#">Web Gateway</a>	All	All	All	All
Application	<a href="#">Nginx</a>	<a href="#">Nginx</a>	All	All	All	All
Application	<a href="#">Nginx</a>	<a href="#">Nginx</a>	All	All	All	All
Application	<a href="#">Nginx</a>	<a href="#">Nginx</a>	All	All	All	All
Application	<a href="#">Nodejs</a>	<a href="#">Node.js</a>	All	All	All	All
Application	<a href="#">Nodejs</a>	<a href="#">Node.js</a>	All	All	All	All
Application	<a href="#">Nodejs</a>	<a href="#">Node.js</a>	All	All	All	All
Application	<a href="#">Nodejs</a>	<a href="#">Node.js</a>	All	All	All	All
Operating System	<a href="#">Opensuse</a>	<a href="#">Leap</a>	15.0	All	All	All
Operating System	<a href="#">Opensuse</a>	<a href="#">Leap</a>	15.1	All	All	All
Operating System	<a href="#">Opensuse</a>	<a href="#">Leap</a>	15.0	All	All	All
Operating System	<a href="#">Opensuse</a>	<a href="#">Leap</a>	15.1	All	All	All
Application	<a href="#">Oracle</a>	<a href="#">Enterprise Communications Broker</a>	3.1.0	All	All	All
Application	<a href="#">Oracle</a>	<a href="#">Enterprise Communications Broker</a>	3.2.0	All	All	All
Application	<a href="#">Oracle</a>	<a href="#">Enterprise Communications Broker</a>	3.1.0	All	All	All
Application	<a href="#">Oracle</a>	<a href="#">Enterprise Communications Broker</a>	3.2.0	All	All	All
Application	<a href="#">Oracle</a>	<a href="#">Graalvm</a>	19.2.0	All	All	All
Application	<a href="#">Oracle</a>	<a href="#">Graalvm</a>	19.2.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	8.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	8.0	All	All	All
Application	<a href="#">Redhat</a>	<a href="#">Jboss Core Services</a>	1.0	All	All	All
Application	<a href="#">Redhat</a>	<a href="#">Jboss Core Services</a>	1.0	All	All	All
Application	<a href="#">Redhat</a>	<a href="#">Jboss Enterprise Application Platform</a>	7.2.0	All	All	All
Application	<a href="#">Redhat</a>	<a href="#">Jboss Enterprise Application Platform</a>	7.3.0	All	All	All
Application	<a href="#">Redhat</a>	<a href="#">Jboss Enterprise Application Platform</a>	7.2.0	All	All	All
Application	<a href="#">Redhat</a>	<a href="#">Jboss Enterprise Application Platform</a>	7.3.0	All	All	All
Application	<a href="#">Redhat</a>	<a href="#">Openshift Service Mesh</a>	1.0	All	All	All

Application	<a href="#">Redhat</a>	<a href="#">Openshift Service Mesh</a>	1.0	All	All	All
Application	<a href="#">Redhat</a>	<a href="#">Quay</a>	3.0.0	All	All	All
Application	<a href="#">Redhat</a>	<a href="#">Quay</a>	3.0.0	All	All	All
Application	<a href="#">Redhat</a>	<a href="#">Software Collections</a>	1.0	All	All	All
Application	<a href="#">Redhat</a>	<a href="#">Software Collections</a>	1.0	All	All	All
Application	<a href="#">Synology</a>	<a href="#">Diskstation Manager</a>	6.2	All	All	All
Application	<a href="#">Synology</a>	<a href="#">Diskstation Manager</a>	6.2	All	All	All
Application	<a href="#">Synology</a>	<a href="#">Skynas</a>	-	All	All	All
Application	<a href="#">Synology</a>	<a href="#">Skynas</a>	-	All	All	All
Hardware	<a href="#">Synology</a>	<a href="#">Vs960hd</a>	-	All	All	All
Hardware	<a href="#">Synology</a>	<a href="#">Vs960hd</a>	-	All	All	All
Operating System	<a href="#">Synology</a>	<a href="#">Vs960hd Firmware</a>	-	All	All	All
Operating System	<a href="#">Synology</a>	<a href="#">Vs960hd Firmware</a>	-	All	All	All

## References

### Reference

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[SECURITY] Fedora 29 Update: [nghttp2-1.39.2-1.fc29](#) - package-announce - Fedora Mailing-Lists

myF5

Red Hat Customer Portal

[SECURITY] Fedora 29 Update: [nodejs-10.16.3-1.fc29](#) - package-announce - Fedora Mailing-Lists

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Debian -- Security Information -- [DSA-4669-1 nodejs](#)

Red Hat Customer Portal

[support.f5.com/csp/article/K02591030](https://support.f5.com/csp/article/K02591030)

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[SECURITY] Fedora 29 Update: [nghttp2-1.39.2-1.fc29](#) - package-announce - Fedora Mailing-Lists

Oracle Critical Patch Update Advisory - October 2020

Red Hat Customer Portal

McAfee Security Bulletin - Updates and product status for HTTP/2 vulnerabilities (CVE-2019-9511, CVE-2019-9512, CVE-2019-9513, CVE-2019-9514)

USN-4099-1: [nginx vulnerabilities](#) | [Ubuntu security notices](#) | [Ubuntu](#)

Debian -- Security Information -- [DSA-4511-1 nghttp2](#)

[security-announce] [openSUSE-SU-2019:2120-1](#): important: Security update

[SECURITY] Fedora 29 Update: [nginx-1.16.1-1.fc29](#) - package-announce - Fedora Mailing-Lists

August 2019 Node.js Vulnerabilities in NetApp Products | [NetApp Product Security](#)

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Synology Inc.

[SECURITY] Fedora 30 Update: nginx-1.16.1-1.fc30 - package-announce - Fedora Mailing-Lists

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August 2019 NGINX Vulnerabilities in NetApp Products | NetApp Product Security

[security-announce] openSUSE-SU-2019:2115-1: important: Security update

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security-bulletins/2019-002.md at master · Netflix/security-bulletins · GitHub

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[SECURITY] Fedora 30 Update: nghttp2-1.39.2-1.fc30 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 30 Update: nodejs-10.16.3-1.fc30 - package-announce - Fedora Mailing-Lists

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[security-announce] openSUSE-SU-2019:2232-1: moderate: Security update f

Bugtraq: [SECURITY] [DSA 4511-1] nghttp2 security update

[security-announce] openSUSE-SU-2019:2264-1: moderate: Security update f

Debian -- Security Information -- DSA-4505-1 nginx

[security-announce] openSUSE-SU-2019:2114-1: important: Security update

support.f5.com/csp/article/K02591030

Bugtraq: [SECURITY] [DSA 4505-1] nginx security update

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[SECURITY] Fedora 30 Update: nghttp2-1.39.2-1.fc30 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 29 Update: nginx-1.16.1-1.fc29 - package-announce - Fedora Mailing-Lists

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Oracle Critical Patch Update Advisory - January 2021

VU#605641 - HTTP/2 implementations do not robustly handle abnormal traffic and resource exhaustion

[security-announce] openSUSE-SU-2019:2234-1: moderate: Security update f

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CVE Program record

NVD vulnerability detail



## Vendor Comments And Credit

Discovery Credit

**LEGACY:** Thanks to Jonathan Looney of Netflix for reporting this vulnerability.

## Legacy QID Mappings

174904 SUSE Enterprise Linux Security Update for nhttp2 (SUSE-SU-2021:0932-1)

296079 Oracle Solaris 11.4 Support Repository Update (SRU) 15.5.0 Missing (CPUOCT2019)

377103 Alibaba Cloud Linux Security Update for nginx:1.20 (ALINUX3-SA-2022:0016)

377148 Alibaba Cloud Linux Security Update for nhttp2 (ALINUX3-SA-2022:0101)

500423 Alpine Linux Security Update for nhttp2

500427 Alpine Linux Security Update for nginx

500434 Alpine Linux Security Update for nodejs

504182 Alpine Linux Security Update for nhttp2

504186 Alpine Linux Security Update for nginx

504197 Alpine Linux Security Update for nodejs

900026 CBL-Mariner Linux Security Update for nginx 1.16.1

902960 Common Base Linux Mariner (CBL-Mariner) Security Update for nginx (3595)

940051 AlmaLinux Security Update for nodejs:10 (ALSA-2019:2925)

940134 AlmaLinux Security Update for nginx:1.14 (ALSA-2019:2799)

960386 Rocky Linux Security Update for nodejs:10 (RLSA-2019:2925)

960857 Rocky Linux Security Update for nginx:1.14 (RLSA-2019:2799)

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