CVE-2015-7704

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Summary

CVE	CVE-2015-7704
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-08-07 20:29:00 UTC
Updated	2021-11-17 22:15:00 UTC
Description	The ntpd client in NTP 4.x before 4.2.8p4 and 4.3.x before 4.3.77 allows remote attackers to cause a denial of service via a

Risk And Classification

Problem Types: CWE-20

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Citrix	Xenserver	6.0.2	All	All	All
Application	Citrix	Xenserver	6.2.0	-	All	All
Application	Citrix	Xenserver	6.5	-	All	All
Application	Citrix	Xenserver	7.0	All	All	All
Application	Citrix	Xenserver	6.0.2	All	All	All
Application	Citrix	Xenserver	6.2.0	-	All	All
Application	Citrix	Xenserver	6.5	-	All	All
Application	Citrix	Xenserver	7.0	All	All	All
Operating System	Debian	Debian Linux	7.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Debian	Debian Linux	7.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Application	Mcafee	Enterprise Security Manager	All	All	All	All
Application	Mcafee	Enterprise Security Manager	All	All	All	All
Operating System	Netapp	Clustered Data Ontap	-	All	All	All

Operating System	Netapp	Clustered Data Ontap	-	All	All	All
Operating System	Netapp	Data Ontap	-	All	All	All
Operating System	Netapp	Data Ontap	-	All	All	All
Application	Netapp	Oncommand Performance Manager	-	All	All	All
Application	Netapp	Oncommand Performance Manager	-	All	All	All
Application	Netapp	Oncommand Unified Manager	-	All	All	All
Application	Netapp	Oncommand Unified Manager	-	All	All	All
Application	Ntp	Ntp	All	All	All	All
Application	Ntp	Ntp	4.2.8	-	All	All
Application	Ntp	Ntp	4.2.8	p1	All	All
Application	Ntp	Ntp	4.2.8	p1-beta1	All	All
Application	Ntp	Ntp	4.2.8	p1-beta2	All	All
Application	Ntp	Ntp	4.2.8	p1-beta3	All	All
Application	Ntp	Ntp	4.2.8	p1-beta4	All	All
Application	Ntp	Ntp	4.2.8	p1-beta5	All	All
Application	Ntp	Ntp	4.2.8	p1-rc1	All	All
Application	Ntp	Ntp	4.2.8	p1-rc2	All	All
Application	Ntp	Ntp	4.2.8	p2	All	All
Application	Ntp	Ntp	4.2.8	p2-rc1	All	All
Application	Ntp	Ntp	4.2.8	p2-rc2	All	All
Application	Ntp	Ntp	4.2.8	p2-rc3	All	All
Application	Ntp	Ntp	4.2.8	p3	All	All
Application	Ntp	Ntp	4.2.8	p3-rc1	All	All
Application	Ntp	Ntp	4.2.8	p3-rc2	All	All
Application	Ntp	Ntp	4.2.8	p3-rc3	All	All
Application	Ntp	Ntp	All	All	All	All
Application	Ntp	Ntp	4.2.8	-	All	All
Application	Ntp	Ntp	4.2.8	p1	All	All
Application	Ntp	Ntp	4.2.8	p1-beta1	All	All
Application	Ntp	Ntp	4.2.8	p1-beta2	All	All
Application	Ntp	Ntp	4.2.8	p1-beta3	All	All
Application	Ntp	Ntp	4.2.8	p1-beta4	All	All
Application	Ntp	Ntp	4.2.8	p1-beta5	All	All
Application	Ntp	Ntp	4.2.8	p1-rc1	All	All
Application	Ntp	Ntp	4.2.8	p1-rc2	All	All

Application	Ntp	Ntp	4.2.8	p2	All	All
Application	Ntp	Ntp	4.2.8	p2-rc1	All	All
Application	Ntp	Ntp	4.2.8	p2-rc2	All	All
Application	Ntp	Ntp	4.2.8	p2-rc3	All	All
Application	Ntp	Ntp	4.2.8	p3	All	All
Application	Ntp	Ntp	4.2.8	p3-rc1	All	All
Application	Ntp	Ntp	4.2.8	p3-rc2	All	All
Application	Ntp	Ntp	4.2.8	p3-rc3	All	All
Operating System	Redhat	Enterprise Linux Desktop	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	6.5	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	6.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.3	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.4	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.7	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	6.5	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	6.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.3	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.4	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.7	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	6.5	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	6.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	6.7	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.1	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.3	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.4	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.5	All	All	All

Operating System	Redhat	Enterprise Linux Server Eus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.7	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	6.5	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	6.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	6.7	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.1	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.3	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.4	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.5	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.7	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	6.5	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	6.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.3	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.7	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	6.5	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	6.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.3	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.7	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	7.0	All	All	All

References

Reference
Red Hat Customer Portal
Oracle Solaris Bulletin - April 2016
Arista - Security Advisory 0016
Network Time Protocol CVE-2015-7704 Denial of Service Vulnerability
Citrix XenServer Multiple Security Updates
NTP: Multiple vulnerabilities (GLSA 201607-15) — Gentoo Security
October 2015 Network Time Protocol Daemon (ntpd) Vulnerabilities in Multiple NetApp Products | NetApp Product Security
Debian -- Security Information -- DSA-3388-1 ntp

Red Hat Customer Portal
April 2016 Network Time Protocol Daemon (ntpd) Vulnerabilities in Multiple NetApp Products | NetApp Product Security
eprint.iacr.org/2015/1020.pdf
support.ntp.org/bin/view/Main/NtpBug2901
ntp Multiple Flaws Let Remote Users Deny Service, View Files, and Bypass Authentication to Modify the Time - SecurityTracker
1271070 – (CVE-2015-7704) CVE-2015-7704 ntp: disabling synchronization via crafted KoD packet
Vulnerability Note VU#718152 - NTP.org ntpd contains multiple vulnerabilities
Bug 2901 – Clients that receive a KoD should validate the origin timestamp field.
Attacking the Network Time Protocol
support.ntp.org/bin/view/Main/SecurityNotice
Document Display | HPE Support Center
McAfee Security Bulletin - SIEM update fixes multiple vulnerabilities (CVE-2015-7704, CVE-2016-10708, CVE-2018-10858, CVE-2018-11784,
CVE Program record
NVD vulnerability detail

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

590349 Rockwell Automation Stratix 5900 Multiple Vulnerabilities (ICSA-17-094-04)

CVE.report and Source URL Uptime Status status.cve.report