



CVE-2015-7855

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

CVE	CVE-2015-7855
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-08-07 20:29:00 UTC
Updated	2021-04-19 15:33:00 UTC
Description	The decodenetnum function in ntpd in NTP 4.2.x before 4.2.8p4, and 4.3.x before 4.3.77 allows remote attackers to cause a

Risk And Classification

Problem Types: CWE-20

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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
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 Balance	-	All	All	All
Application	Netapp	Oncommand Balance	-	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

Hardware	Siemens	Tim 4r-ie	-	All	All	All
Hardware	Siemens	Tim 4r-ie Dnp3	-	All	All	All
Operating System	Siemens	Tim 4r-ie Dnp3 Firmware	All	All	All	All
Operating System	Siemens	Tim 4r-ie Firmware	All	All	All	All

References

Reference	Source
support.ntp.org/bin/view/Main/NtpBug2922	CONFIRM
NTP: Multiple vulnerabilities (GLSA 201607-15) — Gentoo Security	GENTOO
October 2015 Network Time Protocol Daemon (ntpd) Vulnerabilities in Multiple NetApp Products NetApp Product Security	CONFIRM
Debian -- Security Information -- DSA-3388-1 ntp	DEBIAN
ntp Multiple Flaws Let Remote Users Deny Service, View Files, and Bypass Authentication to Modify the Time - SecurityTracker	SECTRAC
Document Display HPE Support Center	CONFIRM
1274264 – (CVE-2015-7855) CVE-2015-7855 ntp: ASSERT in decodenetnum() on invalid values	CONFIRM
Siemens TIM 4R-IE Devices CISA	CONFIRM
Malformed Request	BID
cert-portal.siemens.com/productcert/pdf/ssa-497656.pdf	CONFIRM
NTP 4.2.8p3 - Denial of Service - Linux dos Exploit	EXPLOIT-DB
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

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

[590721](#) Siemens TIM 4R-IE Devices Multiple Vulnerabilities (ICSA-21-103-11)

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