



CVE-2023-28756

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

Summary

CVE	CVE-2023-28756
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-03-31 04:15:00 UTC
Updated	2024-01-24 05:15:00 UTC
Description	A ReDoS issue was discovered in the Time component through 0.2.1 in Ruby through 3.2.1. The Time parser mishandles in

Risk And Classification

Problem Types: CWE-1333

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Fedoraproject	Fedora	36	All	All	All
Operating System	Fedoraproject	Fedora	37	All	All	All
Operating System	Fedoraproject	Fedora	38	All	All	All
Application	Ruby-lang	Ruby	All	All	All	All
Application	Ruby-lang	Time	0.1.0	All	All	All
Application	Ruby-lang	Time	0.2.1	All	All	All

References

Reference	Source	Link	Tags
Releases · ruby/time · GitHub	MISC	github.com	
[SECURITY] Fedora 37 Update: ruby-3.1.4-175.fc37 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org	
CVE-2023-28756 Ruby Vulnerability in NetApp Products NetApp Product Security	CONFIRM	security.netapp.com	
Ruby Releases	MISC	www.ruby-lang.org	
Ruby 3.2.0 Released	MISC	www.ruby-lang.org	
CVE-2023-28756: ReDoS vulnerability in Time	CONFIRM	www.ruby-lang.org	
[SECURITY] Fedora 36 Update: ruby-3.1.4-175.fc36 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org	

[SECURITY] Fedora 37 Update: ruby-3.1.4-175.fc37 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
Ruby: Multiple vulnerabilities (GLSA 202401-27) — Gentoo security		security.gentoo.org
[SECURITY] [DLA 3408-1] jruby security update	MLIST	lists.debian.org
[SECURITY] Fedora 36 Update: ruby-3.1.4-175.fc36 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
[SECURITY] Fedora 38 Update: ruby-3.2.2-180.fc38 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
[SECURITY] Fedora 38 Update: ruby-3.2.2-180.fc38 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

- [160771](#) Oracle Enterprise Linux Security Update for ruby:2.7 (ELSA-2023-3821)
- [161185](#) Oracle Enterprise Linux Security Update for ruby:2.5 (ELSA-2023-7025)
- [161427](#) Oracle Enterprise Linux Security Update for ruby:3.1 (ELSA-2024-1431)
- [161454](#) Oracle Enterprise Linux Security Update for ruby:3.1 (ELSA-2024-1576)
- [181757](#) Debian Security Update for jruby (DLA 3408-1)
- [181830](#) Debian Security Update for ruby2.5 (DLA 3447-1)
- [199319](#) Ubuntu Security Notification for Ruby Vulnerabilities (USN-6055-1)
- [199350](#) Ubuntu Security Notification for Ruby Vulnerabilities (USN-6087-1)
- [199434](#) Ubuntu Security Notification for Ruby Vulnerabilities (USN-6181-1)
- [241557](#) Red Hat Update for rh-ruby27-ruby security (RHSA-2023:3291)
- [241760](#) Red Hat Update for ruby:2.7 security (RHSA-2023:3821)
- [242449](#) Red Hat Update for ruby:2.5 (RHSA-2023:7025)
- [243097](#) Red Hat Update for ruby:3.1 security (RHSA-2024:1431)
- [243151](#) Red Hat Update for ruby:3.1 security (RHSA-2024:1576)
- [283908](#) Fedora Security Update for ruby (FEDORA-2023-a7be7ea1aa)
- [283913](#) Fedora Security Update for ruby (FEDORA-2023-f58d72c700)
- [284200](#) Fedora Security Update for ruby (FEDORA-2023-6b924d3b75)
- [296100](#) Oracle Solaris 11.4 Support Repository Update (SRU) 58.144.3 Missing (CPUAPR2023)
- [355241](#) Amazon Linux Security Advisory for ruby3.2 : ALAS2023-2023-158

355435 Amazon Linux Security Advisory for ruby : ALAS2-2023-2084
356299 Amazon Linux Security Advisory for ruby : ALASRUBY3.0-2023-001
378703 Alibaba Cloud Linux Security Update for ruby:2.7 (ALINUX3-SA-2023:0080)
502701 Alpine Linux Security Update for ruby
502702 Alpine Linux Security Update for ruby
502703 Alpine Linux Security Update for ruby
504380 Alpine Linux Security Update for ruby
672891 EulerOS Security Update for ruby (EulerOS-SA-2023-1828)
672912 EulerOS Security Update for ruby (EulerOS-SA-2023-1810)
673172 EulerOS Security Update for ruby (EulerOS-SA-2023-2321)
673186 EulerOS Security Update for ruby (EulerOS-SA-2023-2341)
673497 EulerOS Security Update for ruby (EulerOS-SA-2023-2708)
673836 EulerOS Security Update for ruby (EulerOS-SA-2023-2666)
691105 Free Berkeley Software Distribution (FreeBSD) Security Update for rubygem (6bd2773c-cf1a-11ed-bd44-080027f5fec9)
710844 Gentoo Linux Ruby Multiple Vulnerabilities (GLSA 202401-27)
755145 SUSE Enterprise Linux Security Update for ruby2.5 (SUSE-SU-2023:4176-1)
941165 AlmaLinux Security Update for ruby:2.7 (ALSA-2023:3821)
941437 AlmaLinux Security Update for ruby:2.5 (ALSA-2023:7025)
941625 AlmaLinux Security Update for ruby:3.1 (ALSA-2024:1431)
941633 AlmaLinux Security Update for ruby:3.1 (ALSA-2024:1576)
961138 Rocky Linux Security Update for ruby:3.1 (RLSA-2024:1431)
961149 Rocky Linux Security Update for ruby:3.1 (RLSA-2024:1576)

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