CVE-2013-4164

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

Summary

CVE	CVE-2013-4164
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2013-11-23 19:55:03 UTC
Updated	2026-04-29 01:13:23 UTC
Description	Heap-based buffer overflow in Ruby 1.8, 1.9 before 1.9.3-p484, 2.0 before 2.0.0-p353, 2.1 before 2.1.0 preview2, and trunk

Risk And Classification

Primary CVSS: v2.0 6.8 from nvd@nist.gov

AV:N/AC:M/Au:N/C:P/I:P/A:P

EPSS: 0.119580000 probability, percentile 0.937880000 (date 2026-04-29)

Problem Types: CWE-119 | n/a

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Medium

Authentication

None

Confidentiality

Partial

Integrity

Partial

Availability

Partial

AV:N/AC:M/Au:N/C:P/I:P/A:P

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language

Application	Ruby-lang	Ruby	1.8	All	All	All
Application	Ruby-lang	Ruby	1.9	All	All	All
Application	Ruby-lang	Ruby	1.9.1	All	All	All
Application	Ruby-lang	Ruby	1.9.2	All	All	All
Application	Ruby-lang	Ruby	1.9.3	All	All	All
Application	Ruby-lang	Ruby	2.0.0	All	All	All
Application	Ruby-lang	Ruby	2.1	preview1	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Na	N/a	affected n/a	Not specified

References

Reference	Source	Link
Ruby 1.9.3-p484 is released	af854a3a-2127-422b-91ae-364da2661108	www.ruby-lang.org
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.redhat.com
CVE-2013-4164 | Puppet	af854a3a-2127-422b-91ae-364da2661108	puppet.com
openSUSE-SU-2013:1835-1: moderate: update for ruby19	af854a3a-2127-422b-91ae-364da2661108	lists.opensuse.org
[security-announce] SUSE-SU-2013:1897-1: critical: Security update for r	af854a3a-2127-422b-91ae-364da2661108	lists.opensuse.org
About the security content of OS X Server v4.0 - Apple Support	af854a3a-2127-422b-91ae-364da2661108	support.apple.com
Ruby 2.0.0-p353 is released	af854a3a-2127-422b-91ae-364da2661108	www.ruby-lang.org
USN-2035-1: Ruby vulnerabilities | Ubuntu	af854a3a-2127-422b-91ae-364da2661108	www.ubuntu.com
openSUSE-SU-2013:1834-1: moderate: update for ruby20	af854a3a-2127-422b-91ae-364da2661108	lists.opensuse.org
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.redhat.com
About Secunia Research | Flexera	af854a3a-2127-422b-91ae-364da2661108	secunia.com
NEOHAPSIS - Peace of Mind Through Integrity and Insight	af854a3a-2127-422b-91ae-364da2661108	archives.neohapsis.c
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.redhat.com
osvdb.org/100113	af854a3a-2127-422b-91ae-364da2661108	osvdb.org
Debian -- Security Information -- DSA-2810-1 ruby1.9.1	af854a3a-2127-422b-91ae-364da2661108	www.debian.org
Debian -- Security Information -- DSA-2809-1 ruby1.8	af854a3a-2127-422b-91ae-364da2661108	www.debian.org
Ruby Floating Point Parsing Heap Buffer Overflow Vulnerability	af854a3a-2127-422b-91ae-364da2661108	www.securityfocus.c
NEOHAPSIS - Peace of Mind Through Integrity and Insight	af854a3a-2127-422b-91ae-364da2661108	archives.neohapsis.c
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.redhat.com
Security Advisory SA57376 - Red Hat update for cfme - Secunia	af854a3a-2127-422b-91ae-364da2661108	secunia.com
Heap Overflow in Floating Point Parsing (CVE-2013-4164)	af854a3a-2127-422b-91ae-364da2661108	www.ruby-lang.org
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.redhat.com

CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.