



CVE-2012-5371

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

Summary

CVE	CVE-2012-5371
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2012-11-28 13:03:10 UTC
Updated	2026-04-29 01:13:23 UTC
Description	Ruby (aka CRuby) 1.9 before 1.9.3-p327 and 2.0 before r37575 computes hash values without properly restricting the ability to access memory locations outside the heap, which could allow remote attackers to execute arbitrary code via a crafted Ruby script.

Risk And Classification

Primary CVSS: v2.0 5 from nvd@nist.gov

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

Problem Types: CWE-310 | n/a

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

None

Availability

Partial

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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	1.9.3	p0	All	All
Application	Ruby-lang	Ruby	1.9.3	p125	All	All
Application	Ruby-lang	Ruby	1.9.3	p194	All	All
Application	Ruby-lang	Ruby	2.0	All	All	All
Application	Ruby-lang	Ruby	All	p286	All	All

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

References	
Reference	Source
7-8 Novembre – Conférences Application Security Forum – Western Switzerland 2012	af854a3a-2127-422b-91ae-364da2661
Jean-Philippe Aumasson	af854a3a-2127-422b-91ae-364da2661
About Secunia Research Flexera	af854a3a-2127-422b-91ae-364da2661
Ruby Hash Table Collision Bug Lets Remote Users Deny Service - SecurityTracker	af854a3a-2127-422b-91ae-364da2661
Bug 875236 – CVE-2012-5371 ruby: Murmur hash-flooding DoS flaw in ruby 1.9 (oCERT-2012-001)	af854a3a-2127-422b-91ae-364da2661
WordPress.com	af854a3a-2127-422b-91ae-364da2661
www.osvdb.org/87280	af854a3a-2127-422b-91ae-364da2661
Malformed Request	af854a3a-2127-422b-91ae-364da2661
oCERT.org - oCERT Advisories	af854a3a-2127-422b-91ae-364da2661
USN-1733-1: Ruby vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da2661
IBM X-Force Exchange	af854a3a-2127-422b-91ae-364da2661
Hash-flooding DoS vulnerability for ruby 1.9 (CVE-2012-5371)	af854a3a-2127-422b-91ae-364da2661
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

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

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