



CVE-2017-16516

Published on: 11/03/2017 12:00:00 AM UTC

Last Modified on: 08/05/2023 07:15:00 PM UTC

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[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Debian Linux](#) from [Debian](#) contain the following vulnerability:

In the yajl-ruby gem 1.3.0 for Ruby, when a crafted JSON file is supplied to `Yajl::Parser.new.parse`, the whole ruby process crashes with a SIGABRT in the `yajl_string_decode` function in `yajl_encode.c`. This results in the whole ruby process terminating and potentially a denial of service.

CVE-2017-16516 has been assigned by [M](#) [cve@mitre.org](#) to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.5 - HIGH**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	NONE	NONE	HIGH

CVSS2 Score: **5 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
yajl-ruby RubyGems.org your community gem host	Third Party Advisory rubygems.org text/html	MISC rubygems.org/gems/yajl-ruby

[SECURITY] [DLA 3492-1] yajl security update	lists.debian.org text/html	📧 MLIST [debian-lts-announce] 20230711 [SECURITY] [DLA 3492-1] yajl security update
SIGABRT - process aborted · Issue #176 · brianmario/yajl-ruby · GitHub	Exploit Third Party Advisory github.com text/html	🔗 MISC github.com/brianmario/yajl-ruby/issues/176
[SECURITY] [DLA 1167-1] ruby-yajl security update	Third Party Advisory lists.debian.org text/html	📧 MLIST [debian-lts-announce] 20171108 [SECURITY] [DLA 1167-1] ruby-yajl security update
[SECURITY] [DLA 3516-1] burp security update	lists.debian.org text/html	📧 MLIST [debian-lts-announce] 20230805 [SECURITY] [DLA 3516-1] burp security update

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Related QID Numbers

199554 Ubuntu Security Notification for YAJL Vulnerabilities (USN-6233-1)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	7.0	All	All	All
Operating System	Debian	Debian Linux	7.0	All	All	All
Application	Yajl-ruby Project	Yajl-ruby	1.3.0	All	All	All
Application	Yajl-ruby Project	Yajl-ruby	1.3.0	All	All	All
cpe:2.3:o:debian:debian_linux:7.0:****:*:*:						
cpe:2.3:o:debian:debian_linux:7.0:****:*:*:						
cpe:2.3:a:yajl-ruby_project:yajl-ruby:1.3.0:****:*:*:						
cpe:2.3:a:yajl-ruby_project:yajl-ruby:1.3.0:****:*:*:						

No vendor comments have been submitted for this CVE

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