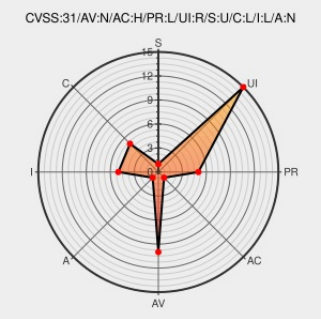
CVE-2021-41136

Published on: 10/12/2021 12:00:00 AM UTC

Last Modified on: 10/27/2021 03:21:00 PM UTC

CVE-2021-41136 - advisory for GHSA-48w2-rm65-62xx

Source: Mitre | Source: Nist | Print: PDF



Certain versions of Puma from Puma contain the following vulnerability:

Puma is a HTTP 1.1 server for Ruby/Rack applications. Prior to versions 5.5.1 and 4.3.9, using `puma` with a proxy which forwards HTTP header values which contain the LF character could allow HTTP request smugggling. A client could smuggle a request through a proxy, causing the proxy to send a response back to another unknown client. The only proxy which has this behavior, as far as the Puma team is aware of, is Apache Traffic Server. If the proxy uses persistent connections and the client adds another request in via HTTP pipelining, the proxy may mistake it as the first request's body. Puma, however, would see it as two requests, and when processing the second request, send back a response that the proxy does not expect. If the proxy has reused the persistent connection to Puma to send another request for a different client, the second response from the first client will be sent to the second client. This vulnerability was patched in Puma 5.5.1 and 4.3.9. As a workaround, do not use Apache Traffic Server with `puma`.

CVE-2021-41136 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as LOW severity.

Affected Vendor/Software: **puma** - **puma** version **>= 5.0.0, < 5.5.1**

Affected Vendor/Software: **puma** - **puma** version **< 4.3.9**

CVSS3 Score: 3.7 - LOW

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

CVSS2 Score: 3.6 - LOW

Access	Access	Authentication

Vector	Complexity	
NETWORK	HIGH	SINGLE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	PARTIAL	NONE

CVE References

Description	Tags	Link
Inconsistent Interpretation of HTTP Requests ('HTTP Request Smuggling') in puma · Advisory · puma/puma · GitHub	github.com text/html	CONFIRM github.com/puma/puma/security/advisories/GHSA-48w2-rm65-62xx
Merge pull request from GHSA-48w2-rm65-62xx · puma/puma@acdc3ae · GitHub	github.com text/html	MISC github.com/puma/puma/commit/acdc3ae571dfae0e045cf09a295280127db65c7f

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Puma	Puma	All	All	All	All
Application	Puma	Puma	All	All	All	All

cpe:2.3:a:puma:puma:*:*:*:*:*:ruby:*:*:

cpe:2.3:a:puma:puma:*:*:*:*:*:ruby:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-41136 : Puma is a HTTP 1.1 server for Ruby/Rack applications. Prior to versions 5.5.1 and 4.3.9, using `pu… twitter.com/i/web/status/1…	2021-10-12 15:34:48
@rubylandnews	RubySec ➜ CVE-2021-41136 (puma): Inconsistent Interpretation of HTTP Requests ('HTTP Request Smuggling') in puma rubysec.com/advisories/CVE…	2021-10-12 18:25:04

← Previous ID

Next ID→

CVE.report and Source URL Uptime Status status.cve.report