CVE-2020-15237

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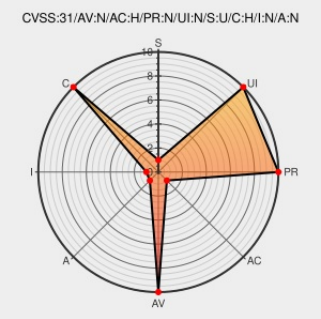
CVE-2020-15237 - advisory for GHSA-5jjv-x4fq-qjwp

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Shrine from Shrinerb contain the following vulnerability:

In Shrine before version 3.3.0, when using the `derivation_endpoint` plugin, it's possible for the attacker to use a timing attack to guess the signature of the derivation URL. The problem has been fixed by comparing sent and calculated signature in constant time, using `Rack::Utils.secure_compare`. Users using the `derivation_endpoint` plugin are urged to upgrade to Shrine 3.3.0 or greater. A possible workaround is provided in the linked advisory.

CVE-2020-15237 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **shrinerb** - **shrine** version **< 3.3.0**

CVSS3 Score: 5.9 - MEDIUM

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

CVSS2 Score: 4.3 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	NONE	NONE

CVE References

Description	Tags	Link
Securely compare signature in derivation_endpoint · shrinerb/shrine@1b27090 · GitHub	Patch Third Party Advisory github.com text/html	MISC github.com/shrinerb/shrine/commit/1b27090ce31543bf39f186c20ea47c8250fca2f0
Possible timing attack in derivation_endpoint · Advisory · shrinerb/shrine · GitHub	Third Party Advisory github.com text/html	CONFIRM github.com/shrinerb/shrine/security/advisories/GHSA-5jjv-x4fq-qjwp

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Shrinerb	Shrine	All	All	All	All
Application	Shrinerb	Shrine	All	All	All	All

cpe:2.3:a:shrinerb:shrine:*:*:*:*:*:ruby:*:*:

cpe:2.3:a:shrinerb:shrine:*:*:*:*:*:ruby:*:*:

No vendor comments have been submitted for this CVE

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