



CVE-2020-13895

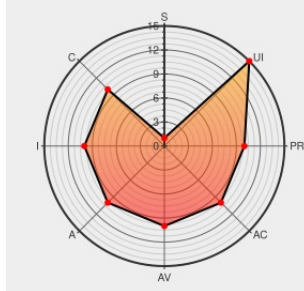
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CVE-2020-13895

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

CVSS:31/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H



Certain versions of [P5-crypt-perl](#) from [P5-crypt-perl Project](#) contain the following vulnerability:

Crypt::Perl::ECDSA in the Crypt::Perl (aka p5-Crypt-Perl) module before 0.32 for Perl fails to verify correct ECDSA signatures when r and s are small and when $s = 1$. This happens when using the curve secp256r1 (prime256v1). This could conceivably have a security-relevant impact if an attacker wishes to use public r and s values when guessing whether signature verification will fail.

CVE-2020-13895 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **8.8 - HIGH**

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

CVSS2 Score: **6.8 - MEDIUM**

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

CVE References

Description	Tags	Link
Fix ECDSA verify when r and s are small. · FGasper/p5-Crypt-Perl@f960ce7 · GitHub	Patch Third Party Advisory	MISC github.com/FGasper/p5-Crypt-Perl/commit/f960ce75502acf7404187231a706672f8369acb2

github.com
text/html

Crypt::Perl::ECDSA fails to verify ECDSA signatures
when r and s are small and when s = 1 · Issue #14 ·
FGasper/p5-Crypt-Perl · GitHub

Third Party Advisory
github.com
text/html

MISC github.com/FGasper/p5-Crypt-Perl/issues/14

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	P5-crypt-perl Project	P5-crypt-perl	All	All	All	All
Application	P5-crypt-perl Project	P5-crypt-perl	All	All	All	All
cpe:2.3:a:p5-crypt-perl_project:p5-crypt-perl:*:*:*:*:perl:*:*:						
cpe:2.3:a:p5-crypt-perl_project:p5-crypt-perl:*:*:*:*:perl:*:*:						

No vendor comments have been submitted for this CVE

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