



CVE-2019-11929

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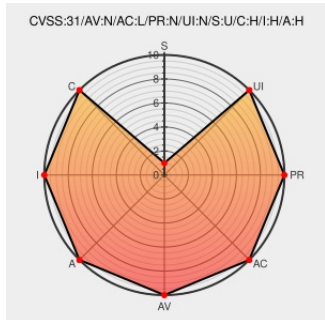
CVE-2019-11929

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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Certain versions of [Hhvm](#) from [Facebook](#) contain the following vulnerability:

Insufficient boundary checks when formatting numbers in `number_format` allows read/write access to out-of-bounds memory, potentially leading to remote code execution. This issue affects HHVM versions prior to 3.30.10, all versions between 4.0.0 and 4.8.5, all versions between 4.9.0 and 4.18.2, and versions 4.19.0, 4.19.1, 4.20.0, 4.20.1, 4.20.2, 4.21.0, 4.22.0, 4.23.0.

CVE-2019-11929 has been assigned by [cve-assign@fb.com](#) to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

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

CVSS2 Score: **7.5 - HIGH**

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

CVE References

Description	Tags	Link
Facebook	Third Party Advisory	CONFIRM www.facebook.com/security/advisories/cve-2019-11929
	www.facebook.com	

[text/html](#)

Security Update | HHVM

[Vendor Advisory](#) [CONFIRM hhvm.com/blog/2019/09/25/security-update.html](https://hhvm.com/blog/2019/09/25/security-update.html)[hhvm.com](#)[text/html](#)

string_number_format:

Correctly handles return value
of snprintf ·[facebook/hhvm@dbeb9a5](#) ·

GitHub

[Patch](#)[Third Party Advisory](#)[github.com](#)[text/html](#) [CONFIRM](#)github.com/facebook/hhvm/commit/dbeb9a56a638e3fdcef8b691c2a2967132dae692

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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	Facebook	Hhvm	All	All	All	All
Application	Facebook	Hhvm	4.19.0	All	All	All
Application	Facebook	Hhvm	4.19.1	All	All	All
Application	Facebook	Hhvm	4.20.0	All	All	All
Application	Facebook	Hhvm	4.20.1	All	All	All
Application	Facebook	Hhvm	4.20.2	All	All	All
Application	Facebook	Hhvm	4.21.0	All	All	All
Application	Facebook	Hhvm	4.22.0	All	All	All
Application	Facebook	Hhvm	4.23.0	All	All	All
Application	Facebook	Hhvm	All	All	All	All
Application	Facebook	Hhvm	4.19.0	All	All	All
Application	Facebook	Hhvm	4.19.1	All	All	All
Application	Facebook	Hhvm	4.20.0	All	All	All
Application	Facebook	Hhvm	4.20.1	All	All	All
Application	Facebook	Hhvm	4.20.2	All	All	All
Application	Facebook	Hhvm	4.21.0	All	All	All
Application	Facebook	Hhvm	4.22.0	All	All	All
Application	Facebook	Hhvm	4.23.0	All	All	All
Application	Facebook	Hhvm	All	All	All	All
Application	Facebook	Hhvm	All	All	All	All

cpe:2.3:a:facebook:hhvm:*:*:*:*:*:

cpe:2.3:a:facebook:hvm:4.19.0:*:*:*:*:*:
cpe:2.3:a:facebook:hvm:4.19.1:*:*:*:*:*:
cpe:2.3:a:facebook:hvm:4.20.0:*:*:*:*:*:
cpe:2.3:a:facebook:hvm:4.20.1:*:*:*:*:*:
cpe:2.3:a:facebook:hvm:4.20.2:*:*:*:*:*:
cpe:2.3:a:facebook:hvm:4.21.0:*:*:*:*:*:
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No vendor comments have been submitted for this CVE

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