



CVE-2019-11926

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

CVSS:30/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H



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

Insufficient boundary checks when processing M_SOFx markers from JPEG headers in the GD extension could allow access to out-of-bounds memory via a maliciously constructed invalid JPEG input. This issue affects HHVM versions prior to 3.30.9, all versions between 4.0.0 and 4.8.3, all versions between 4.9.0 and 4.15.2, and versions 4.16.0 to 4.16.3, 4.17.0 to 4.17.2, 4.18.0 to 4.18.1, 4.19.0, 4.20.0 to 4.20.1.

CVE-2019-11926 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
Security Update HHVM	Third Party Advisory hhvm.com	CONFIRM hhvm.com/blog/2019/09/03/security-update.html

[text/html](#)

Facebook

[Vendor Advisory](#)[www.facebook.com](#)[text/html](#) CONFIRM www.facebook.com/security/advisories/cve-2019-11926

exif_scan_JPEG_header:

[Patch](#) CONFIRMAdded length check to prevent
information leak ·[Third Party Advisory](#)github.com/facebook/hhvm/commit/f9680d21beaa9eb39d166e8810e29fbafa51ad15

facebook/hhvm@f9680d2 ·

[github.com](#)

GitHub

[text/html](#)

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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	4.19.0	All	All	All
Application	Facebook	Hhvm	4.19.0	All	All	All
Application	Facebook	Hhvm	All	All	All	All
Application	Facebook	Hhvm	All	All	All	All
Application	Facebook	Hhvm	All	All	All	All
Application	Facebook	Hhvm	All	All	All	All
Application	Facebook	Hhvm	All	All	All	All
Application	Facebook	Hhvm	All	All	All	All
Application	Facebook	Hhvm	All	All	All	All
cpe:2.3:a:facebook:hhvm:4.19.0:*:*:*:*:*:						
cpe:2.3:a:facebook:hhvm:4.19.0:*:*:*:*:*:						
cpe:2.3:a:facebook:hhvm:*:*:*:*:*:						
cpe:2.3:a:facebook:hhvm:*:*:*:*:*:						
cpe:2.3:a:facebook:hhvm:*:*:*:*:*:						
cpe:2.3:a:facebook:hhvm:*:*:*:*:*:						
cpe:2.3:a:facebook:hhvm:*:*:*:*:*:						
cpe:2.3:a:facebook:hhvm:*:*:*:*:*:						
cpe:2.3:a:facebook:hhvm:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

No vendor comments have been submitted for this CVE

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