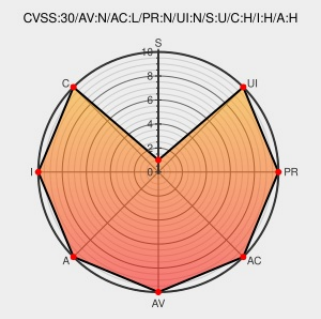
# CVE-2019-3561

Published on: 04/29/2019 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:27:43 PM UTC

## CVE-2019-3561

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




Certain versions of Hhvm from Facebook contain the following vulnerability:

Insufficient boundary checks for the strrpos and strripos functions allow access to out-of-bounds memory. This affects all supported versions of HHVM (4.0.3, 3.30.4, and 3.27.7 and below).

CVE-2019-3561 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 |
|---|---|---|
| HHVM 4.0.4, 3.30.5, and 3.27.8 \| HHVM | Vendor Advisory, hhvm.com, text/html | MISC hhvm.com/blog/2019/04/03/hhvm-4.0.4.html |
| Prevent strrpos and strripos | Third Party Advisory | MISC |

| | | |
|---|---|---|
| from visiting out-of-bounds memory. · facebook/hhvm@46003b4 · GitHub | github.com text/html | github.com/facebook/hhvm/commit/46003b4ab564b2abcd8470035fc324fe36aa8c75 |



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 | All | All | All | All |
| Application | Facebook | Hhvm | All | All | All | All |

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

← Previous ID

Next ID→