

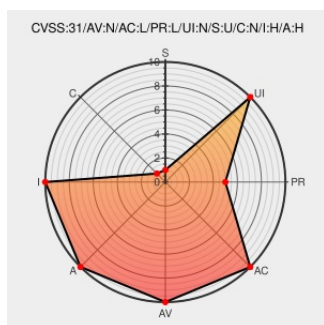


CVE-2019-3556

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CVE-2019-3556

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

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

HHVM supports the use of an "admin" server which accepts administrative requests over HTTP. One of those request handlers, dump-pcre-cache, can be used to output cached regular expressions from the current execution context into a file. The handler takes a parameter which specifies where on the filesystem to write this data.

The parameter is not validated, allowing a malicious user to overwrite arbitrary files where the user running HHVM has write access. This issue affects HHVM versions prior to 4.56.2, all versions between 4.57.0 and 4.78.0, as well as 4.79.0, 4.80.0, 4.81.0, 4.82.0, and 4.83.0.

CVE-2019-3556 has been assigned by [cve-assign@fb.com](#) to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **8.1 - HIGH**

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

CVSS2 Score: **5.5 - MEDIUM**

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

CVE References

Description	Tags	Link
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 CONFIRM
github.com/facebook/hhvm/commit/abe0b29e4d3a610f9bc920b8be4ad8403364c2d4

 [CONFIRM hhvm.com/blog/2020/11/12/security-update.html](https://hhvm.com/blog/2020/11/12/security-update.html)

 CONFIRM www.facebook.com/security/advisories/cve-2019-3556

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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	4.79.0	All	All	All
Application	Facebook	Hhvm	4.80.0	All	All	All
Application	Facebook	Hhvm	4.81.0	All	All	All
Application	Facebook	Hhvm	4.82.0	All	All	All
Application	Facebook	Hhvm	4.83.0	All	All	All
Application	Facebook	Hhvm	All	All	All	All

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

```
cpe:2.3:a:facebook:hhvm:4.79.0:*:*:*:*:*:
```

```
cpe:2.3:a:facebook:hhvm:4.80.0:*:*:*:*:*:
```

```
cpe:2.3:a:facebook:hhvm:4.81.0:*:*:*:*:*:
```

```
cpe:2.3:a:facebook:hhvm:4.82.0:*:*:*:*:*:
```

```
cpe:2.3:a:facebook:hhvm:4.83.0:*:*:*:*:*:
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cpe:2.3:a:facebook:hhvm:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2019-3556 : HHVM supports the use of an "admin" server which accepts administrative	2021-10-26

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