



# CVE-2019-3570

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## Summary

<b>CVE</b>	CVE-2019-3570
<b>State</b>	PUBLIC
<b>Assigner</b>	cve-assign@fb.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2019-07-18 16:15:00 UTC
<b>Updated</b>	2020-10-16 15:14:00 UTC
<b>Description</b>	Call to the script_enc() function in HHVM can lead to heap corruption by using specifically crafted parameters (N, r and p).

## Risk And Classification

**Problem Types:** CWE-787

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Facebook	Hiphop Virtual Machine	4.1.0	All	All	All
Application	Facebook	Hiphop Virtual Machine	4.2.0	All	All	All
Application	Facebook	Hiphop Virtual Machine	4.3.0	All	All	All
Application	Facebook	Hiphop Virtual Machine	4.4.0	All	All	All
Application	Facebook	Hiphop Virtual Machine	4.5.0	All	All	All
Application	Facebook	Hiphop Virtual Machine	4.6.0	All	All	All
Application	Facebook	Hiphop Virtual Machine	4.7.0	All	All	All
Application	Facebook	Hiphop Virtual Machine	4.8.0	All	All	All
Application	Facebook	Hiphop Virtual Machine	4.1.0	All	All	All
Application	Facebook	Hiphop Virtual Machine	4.2.0	All	All	All
Application	Facebook	Hiphop Virtual Machine	4.3.0	All	All	All
Application	Facebook	Hiphop Virtual Machine	4.4.0	All	All	All
Application	Facebook	Hiphop Virtual Machine	4.5.0	All	All	All
Application	Facebook	Hiphop Virtual Machine	4.6.0	All	All	All
Application	Facebook	Hiphop Virtual Machine	4.7.0	All	All	All
Application	Facebook	Hiphop Virtual Machine	4.8.0	All	All	All
Application	Facebook	Hiphop Virtual Machine	All	All	All	All

Application	<a href="#">Facebook</a>	<a href="#">Hiphop Virtual Machine</a>	All	All	All	All
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## References

Reference	Source	Link	Tags
HHVM 4.9.0, and security updates for 3.30, and 4.3-4.7   HHVM	CONFIRM	<a href="https://hhvm.com">hhvm.com</a>	Release Note
Replace copied script implementation with call to libsodium · facebook/hhvm@cc331e4 · GitHub	CONFIRM	<a href="https://github.com">github.com</a>	Patch, Third Party
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	canonical, and

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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