

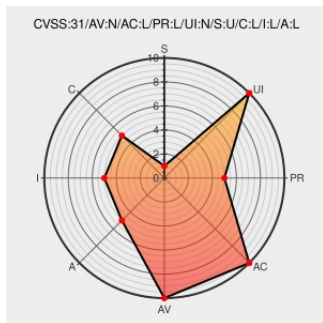


CVE-2020-4068

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CVE-2020-4068 - advisory for GHSA-qh2w-vjxg-mjcg

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

Certain versions of [ApnsSwift](#) from [ApnsSwift Project](#) contain the following vulnerability:

In APNSwift 1.0.0, calling APNSwiftSigner.sign(digest:) is likely to result in a heap buffer overflow. This has been fixed in 1.0.1.

CVE-2020-4068 has been assigned by [security-advisories@github.com](#) to track the vulnerability - currently rated as **CRITICAL** severity.

Affected Vendor/Software: [kylebrowning](#) - **APNSwift** version = 1.0.0

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
Resolves memory issue (#32) · kylebrowning/APNSwift@97fa7f6	Patch github.com	MISC github.com/kylebrowning/APNSwift/commit/97fa7f69dcd89168fff84e0ba8f999881ee3c

ky-browning/APNSwift · GitHub	github.com text/html	
Heap buffer overflow in APNSwiftSigner.sign(digest:) · Advisory · kylebrowning/APNSwift · GitHub	Vendor Advisory github.com text/html	CONFIRM github.com/kylebrowning/APNSwift/security/advisories/GHSA-qh2w-vjxg-mjcg
memory unsafety -- address sanitizer failure · Issue #31 · kylebrowning/APNSwift · GitHub	Issue Tracking github.com text/html	MISC github.com/kylebrowning/APNSwift/issues/31
Resolves memory issue by kylebrowning · Pull Request #32 · kylebrowning/APNSwift · GitHub	Issue Tracking github.com text/html	MISC github.com/kylebrowning/APNSwift/pull/32

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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	Apnswift Project	Apnswift	1.0.0	All	All	All
Application	Apnswift Project	Apnswift	1.0.0	All	All	All
cpe:2.3:a:apnswift_project:apnswift:1.0.0:****:*.~.*						
cpe:2.3:a:apnswift_project:apnswift:1.0.0:****:*.~.*						

No vendor comments have been submitted for this CVE

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