



CVE-2020-36285

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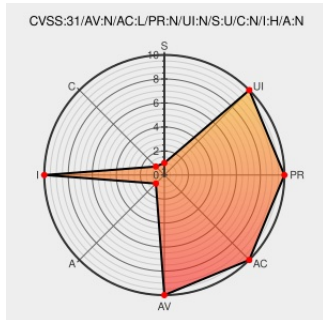
CVE-2020-36285

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



Certain versions of [Union Pay](#) from [Unionpayintl](#) contain the following vulnerability:

Union Pay up to 3.3.12, for iOS mobile apps, contains a CWE-347: Improper Verification of Cryptographic Signature vulnerability, allows attackers to shop for free in merchants' websites and mobile apps, via a crafted authentication code (MAC) which is generated based on a secret key which is NULL.

CVE-2020-36285 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.5 - HIGH**

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

CVSS2 Score: **5 - MEDIUM**

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

CVE References

Description	Tags	Link
Dropbox - poc_code.py - Simplify your life	www.dropbox.com text/html	MISC www.dropbox.com/s/6smwnbrp0kgsgrc/poc_code.py?dl=0
Dropbox -	www.dropbox.com	MISC

Dropbox

UnionPay_Vulnerability_Report.txt - Simplify your life

[www.dropbox.com](#)
text/html

[www.dropbox.com/s/czbkdr73tclq2nr/UnionPay_Vulnerability_Report.txt?dl=0](#)

Please contact mobitec@ie.cuhk.edu.hk to get access!

[mobitec.ie.cuhk.edu.hk](#)
text/html

[MISC mobitec.ie.cuhk.edu.hk/cve_2020/](#)

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Related QID Numbers

[630689](#) Union Pay For iOS Improper Verification of Cryptographic Signature Vulnerability

[630715](#) Union Pay For iOS Improper Verification of Cryptographic Signature Vulnerability

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Unionpayintl	Union Pay	All	All	All	All

cpe:2.3:a:unionpayintl:union_pay:*:*:*:*:iphone_os:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2020-36285 : Union Pay up to 3.3.12, for iOS mobile apps, contains a CWE-347: Improper Verification of Cryptogr... twitter.com/i/web/status/1...	2021-04-06 16:06:35
/r/netcve	CVE-2020-36285	2021-04-06 17:12:16

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