



CVE-2021-37587

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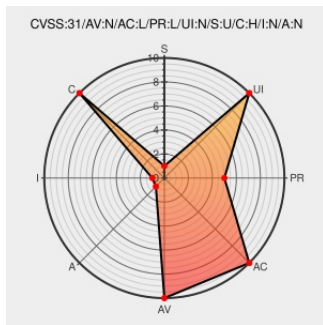
Last Modified on: 08/09/2021 02:33:00 PM UTC

CVE-2021-37587

[Source: Mitre](#)

[Source: Nist](#)

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Certain versions of [Charm](#) from [Jhu](#) contain the following vulnerability:

In Charm 0.43, any single user can decrypt DAC-MACS or MA-ABE-YJ14 data.

CVE-2021-37587 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **6.5 - MEDIUM**

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

CVSS2 Score: **4 - MEDIUM**

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

CVE References

Description	Tags	Link
	www2.hci.uni-hannover.de application/pdf	MISC www2.hci.uni-hannover.de/papers/Tan2019.pdf
abenc_maabe_yj14 — Charm-Crypto 0.50 documentation	jhuisi.github.io text/html	MISC jhuisi.github.io/charm/_modules/abenc_maabe_yj14.html

No Description Provided eprint.iacr.org [MISC eprint.iacr.org/2020/460](https://misc.eprint.iacr.org/2020/460)
[text/html](#)

Broken schemes in last release · Issue #276 · JHUISI/charm · GitHub github.com [MISC github.com/JHUISI/charm/issues/276](https://misc.github.com/JHUISI/charm/issues/276)
[text/html](#)

abenc_dacmacs_yj14 — Charm-Crypto 0.50 documentation jhuisi.github.io [MISC jhuisi.github.io/charm/charm/schemes/abenc/abenc_dacmacs_yj14.html](https://misc.jhuisi.github.io/charm/charm/schemes/abenc/abenc_dacmacs_yj14.html)
[text/html](#)

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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	Jhu	Charm	0.43	All	All	All

cpe:2.3:a:jhu:charm:0.43:*****.*.*.*

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-37587 : In Charm 0.43, any single user can decrypt DAC-MACS or MA-ABE-YJ14 data....	2021-07-27 23:42:10

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