CVE-2020-14474

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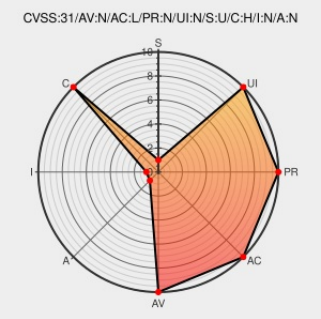

Certain versions of Ufed from Cellebrite contain the following vulnerability:

The Cellebrite UFED physical device 5.0 through 7.5.0.845 relies on key material hardcoded within both the executable code supporting the decryption process, and within the encrypted files themselves by using a key enveloping technique. The recovered key material is the same for every device running the same version of the software, and does not appear to be changed with each new build. It is possible to reconstruct the decryption process using the hardcoded key material and obtain easy access to otherwise protected data.

CVE-2020-14474 has been assigned by 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	HIGH	NONE	NONE

CVSS2 Score: 5 - MEDIUM

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

CVE References

Description	Tags	Link
Cellebrite EDP Decryption Hardcoded AES Key Material	Exploit	MISC

Cellebrite EPR Decryption Hardcoded AES Key Material ≈ Packet Storm	Exploit Third Party Advisory VDB Entry packetstormsecurity.com text/html	MISC packetstormsecurity.com/files/158254/Cellebrite-EPR-Decryption-Hardcoded-AES-Key-Material.html
	Exploit Third Party Advisory korelogic.com text/plain	MISC korelogic.com/Resources/Advisories/KL-001-2020-003.txt
Full Disclosure: KL-001-2020-003 : Cellebrite EPR Decryption Relies on Hardcoded AES Key Material	Exploit Mailing List Third Party Advisory seclists.org text/html	MISC seclists.org/fulldisclosure/2020/Jun/31

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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
Hardware	Cellebrite	Ufed	-	All	All	All
Hardware	Cellebrite	Ufed	-	All	All	All
Operating System	Cellebrite	Ufed Firmware	All	All	All	All

cpe:2.3:h:cellebrite:ufed:-:*:*:*:*:*:*:*:

cpe:2.3:h:cellebrite:ufed:-:*:*:*:*:*:*:*:

cpe:2.3:o:cellebrite:ufed_firmware:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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