



CVE-2021-40530

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

Summary

CVE	CVE-2021-40530
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-09-06 19:15:00 UTC
Updated	2023-11-07 03:38:00 UTC
Description	The ElGamal implementation in Cryptopp through 8.5 allows plaintext recovery because, during interaction between two cry

Risk And Classification

Problem Types: CWE-327

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Cryptopp	Crypto	All	All	All	All
Operating System	Fedoraproject	Fedora	33	All	All	All
Operating System	Fedoraproject	Fedora	34	All	All	All
Operating System	Fedoraproject	Fedora	35	All	All	All

References

Reference	Source	Link	Tag
Cryptology ePrint Archive: Report 2021/923 - On the (in)security of ElGamal in OpenPGP	MISC	eprint.iacr.org	
[SECURITY] Fedora 35 Update: cryptopp-8.6.0-1.fc35 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org	
[SECURITY] Fedora 35 Update: cryptopp-8.6.0-1.fc35 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org	
On the (in)security of ElGamal in OpenPGP - Part II - Syssec@IBM Research	MISC	ibm.github.io	
[SECURITY] Fedora 33 Update: cryptopp-8.6.0-1.fc33 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org	
[SECURITY] Fedora 33 Update: cryptopp-8.6.0-1.fc33 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org	
On the (in)security of ElGamal in OpenPGP - Part I - Syssec@IBM Research	MISC	ibm.github.io	
[SECURITY] Fedora 34 Update: cryptopp-8.6.0-1.fc34 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org	
[SECURITY] Fedora 34 Update: cryptopp-8.6.0-1.fc34 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org	
CVE Program record	CVE.ORG	www.cve.org	can

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[181971](#) Debian Security Update for libcrypto++ (CVE-2021-40530)

[281960](#) Fedora Security Update for cryptopp (FEDORA-2021-a381a721a9)

[281961](#) Fedora Security Update for cryptopp (FEDORA-2021-6788250ea4)

[690802](#) Free Berkeley Software Distribution (FreeBSD) Security Update for cryptopp (7695b0af-958f-11ec-9aa3-4ccc6adda413)

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