CVE-2021-21387

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CVE-2021-21387 - advisory for GHSA-5jxh-6378-rg7v

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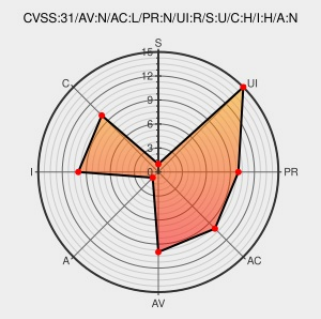

Certain versions of Wrongthink from Wrongthink contain the following vulnerability:

Wrongthink peer-to-peer, end-to-end encrypted messenger with PeerJS and Axolotl ratchet. In wrongthink from version 2.0.0 and before 2.3.0 there was a set of vulnerabilities causing inadequate encryption strength. Part of the secret identity key was disclosed by the fingerprint used for connection. Additionally, the safety number was improperly calculated. It was computed using part of one of the public identity keys instead of being derived from both public identity keys. This caused issues in computing safety numbers which would potentially be exploitable in the real world. Additionally there was inadequate encryption strength due to use of 1024-bit DSA keys. These issues are all fixed in version 2.3.0.

CVE-2021-21387 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **parabirb** - **wrongthink** version **>= 2.0.0, < 2.2.0**

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
Partial secret key disclosure, improper safety number calculation, & inadequate encryption strength · Advisory · parabirb/wrongthink · GitHub	github.com text/html	CONFIRM github.com/parabirb/wrongthink/security/advisories/GHSA-5jxh-6378-rg7v

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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	Wrongthink	Wrongthink	All	All	All	All

cpe:2.3:a:wrongthink:wrongthink:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

← Previous ID Next ID→