



CVE-2020-12856

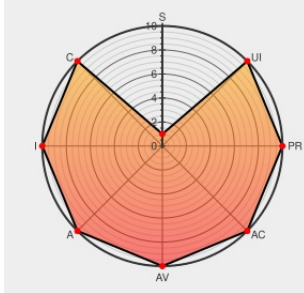
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CVE-2020-12856

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:31/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H



Certain versions of [Abtracetgether](#) from [Alberta](#) contain the following vulnerability:

OpenTrace, as used in COVIDSafe through v1.0.17, TraceTogether, ABTraceTogether, and other applications on iOS and Android, allows remote attackers to conduct long-term re-identification attacks and possibly have unspecified other impact, because of how Bluetooth is used.

CVE-2020-12856 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

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

CVSS2 Score: **7.5 - HIGH**

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

CVE References

Description	Tags	Link
COVIDSafe-CVE-2020-12856/README.md at master	Third Party Advisory github.com text/html	MISC github.com/alwentiu/COVIDSafe-CVE-2020-12856/blob/master/README.md

at master ·
alwentiu/COVIDSafe-
CVE-2020-12856 ·
GitHub

COVIDSafe.watch -
CVE-2020-12856 -
Long-term tracking
and possibly enables
other bluetooth based
attack vectors

Third Party Advisory
covid-safe.watch
text/html

MISC covid-safe.watch/issue-register/cve-2020-12856-long-term-tracking-and-possibly-enables-other-bluetooth-based-attack-vectors

COVIDSafe Android
App - BLE Privacy
Issues - Google Docs

Third Party Advisory
docs.google.com
text/html

MISC
docs.google.com/document/d/1u5a5ersKBH6eG362atALrzuXo3zuZ70qrGomWVEC27U/edit?usp=sharing

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There are currently no QIDs associated with this CVE

Exploit/POC from Github

A bluetooth-related vulnerability in some contact tracing apps

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Alberta	Abtracetogether	-	All	All	All
Application	Alberta	Abtracetogether	-	All	All	All
Application	Alberta	Abtracetogether	-	All	All	All
Application	Alberta	Abtracetogether	-	All	All	All
Application	Health	Covidsafe	-	All	All	All
Application	Health	Covidsafe	-	All	All	All
Application	Health	Covidsafe	All	All	All	All
Application	Tracetogether	Tracetogether	-	All	All	All
Application	Tracetogether	Tracetogether	-	All	All	All
Application	Tracetogether	Tracetogether	-	All	All	All
Application	Tracetogether	Tracetogether	-	All	All	All

cpe:2.3:a:alberta:abtracetogether:-:*:*:*:android:*:*:

cpe:2.3:a:alberta:abtracetogether:-:*:*:*:iphone_os:*:*:

cpe:2.3:a:alberta:abtracetogether:-:*:*:*:android:*:*:

cpe:2.3:a:alberta:abtracetogether:-:*:*:*:iphone_os:*:*:

cpe:2.3:a:health:covidsafe:-:*:*:*:iphone_os:*:*:
cpe:2.3:a:health:covidsafe:-:*:*:*:iphone_os:*:*:
cpe:2.3:a:health:covidsafe:*:*:*:*:android:*:*:
cpe:2.3:a:tracetogether:tracetogether:-:*:*:*:android:*:*:
cpe:2.3:a:tracetogether:tracetogether:-:*:*:*:iphone_os:*:*:
cpe:2.3:a:tracetogether:tracetogether:-:*:*:*:android:*:*:
cpe:2.3:a:tracetogether:tracetogether:-:*:*:*:iphone_os:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @jim_mussared	@brettbergie @mfenniak I made the team aware of CVE-2020-12856 in May last year. They fixed it and then unwittingly... twitter.com/i/web/status/1...	2021-05-28 01:41:12

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