



CVE-2019-20590

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CVE-2019-20590

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

Certain versions of [Android](#) from [Google](#) contain the following vulnerability:

An issue was discovered on Samsung mobile devices with O(8.x) (Qualcomm chipsets) software. There is an integer underflow in the Secure Storage Trustlet. The Samsung ID is SVE-2019-13952 (July 2019).

CVE-2019-20590 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
Samsung Mobile Security	Vendor Advisory security.samsungmobile.com text/html	CONFIRM security.samsungmobile.com/securityUpdate.smsb

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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
Operating System	Google	Android	8.0	All	All	All
Operating System	Google	Android	8.1	All	All	All
Operating System	Google	Android	8.0	All	All	All
Operating System	Google	Android	8.1	All	All	All
Hardware 	Qualcomm	Sdm660	-	All	All	All
Hardware 	Qualcomm	Sdm660	-	All	All	All
cpe:2.3:o:google:android:8.0:~::~~::~~::~~::~~::~~::~~:::						
cpe:2.3:o:google:android:8.1:~::~~::~~::~~::~~::~~::~~:::						
cpe:2.3:o:google:android:8.0:~::~~::~~::~~::~~::~~::~~:::						
cpe:2.3:o:google:android:8.1:~::~~::~~::~~::~~::~~::~~:::						
cpe:2.3:h:qualcomm:sdm660:~::~~::~~::~~::~~::~~::~~:::						
cpe:2.3:h:qualcomm:sdm660:~::~~::~~::~~::~~::~~::~~:::						

No vendor comments have been submitted for this CVE

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