



# CVE-2020-0408

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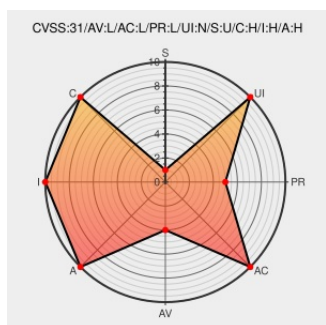
## CVE-2020-0408

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

[Print: PDF](#)



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

In remove of String16.cpp, there is a possible out of bounds write due to an integer overflow. This could lead to local escalation of privilege with no additional execution privileges needed. User interaction is not needed for exploitation. Product: Android Versions: Android-11 Android-8.0 Android-8.1 Android-9 Android-10 Android ID: A-156999009

CVE-2020-0408 has been assigned by [security@android.com](#) to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.8 - HIGH**

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

CVSS2 Score: **7.2 - HIGH**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| LOCAL                  | LOW               | NONE                |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| COMPLETE               | COMPLETE          | COMPLETE            |

## CVE References

| Description                                                          | Tags                                                                                               | Link                                                                                    |
|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Android Security Bulletin—October 2020   Android Open Source Project | <a href="#">Vendor Advisory</a><br><a href="#">source.android.com</a><br><a href="#">text/html</a> | <a href="#">MISC</a><br><a href="#">source.android.com/security/bulletin/2020-10-01</a> |

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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 | 10.0    | All    | All     | All      |
| Operating System                     | Google | Android | 11.0    | All    | All     | All      |
| Operating System                     | Google | Android | 8.0     | All    | All     | All      |
| Operating System                     | Google | Android | 8.1     | All    | All     | All      |
| Operating System                     | Google | Android | 9.0     | All    | All     | All      |
| Operating System                     | Google | Android | 10.0    | All    | All     | All      |
| Operating System                     | Google | Android | 11.0    | All    | All     | All      |
| Operating System                     | Google | Android | 8.0     | All    | All     | All      |
| Operating System                     | Google | Android | 8.1     | All    | All     | All      |
| Operating System                     | Google | Android | 9.0     | All    | All     | All      |
| cpe:2.3:o:google:android:10.0:*****: |        |         |         |        |         |          |
| cpe:2.3:o:google:android:11.0:*****: |        |         |         |        |         |          |
| cpe:2.3:o:google:android:8.0:*****:  |        |         |         |        |         |          |
| cpe:2.3:o:google:android:8.1:*****:  |        |         |         |        |         |          |
| cpe:2.3:o:google:android:9.0:*****:  |        |         |         |        |         |          |
| cpe:2.3:o:google:android:10.0:*****: |        |         |         |        |         |          |
| cpe:2.3:o:google:android:11.0:*****: |        |         |         |        |         |          |
| cpe:2.3:o:google:android:8.0:*****:  |        |         |         |        |         |          |
| cpe:2.3:o:google:android:8.1:*****:  |        |         |         |        |         |          |
| cpe:2.3:o:google:android:9.0:*****:  |        |         |         |        |         |          |

No vendor comments have been submitted for this CVE

#### Social Mentions

| Source                                                                                          | Title                                        | Posted (UTC)           |
|-------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------|
|  /r/androidroot | Nokia 6.1 Bootloader Unlock (without paying) | 2021-06-07<br>18:23:30 |

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