



# CVE-2021-22451

Published on: 10/28/2021 12:00:00 AM UTC

Last Modified on: 11/01/2021 06:56:00 PM UTC

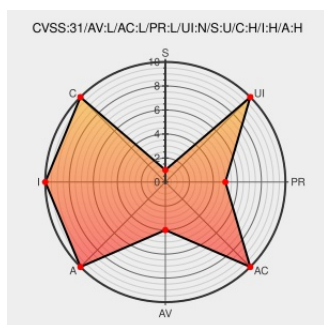
## CVE-2021-22451

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



Certain versions of [HarmonyOS](#) from [Huawei](#) contain the following vulnerability:

A component of the HarmonyOS has a Integer Overflow or Wraparound vulnerability. Local attackers may exploit this vulnerability to cause memory overwriting.

CVE-2021-22451 has been assigned by psirt@huawei.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **Huawei** - **HarmonyOS** version = 2.0

CVSS3 Score: **7.8 - HIGH**

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

CVSS2 Score: **4.6 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>LOCAL</b>           | <b>LOW</b>        | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>PARTIAL</b>         | <b>PARTIAL</b>    | <b>PARTIAL</b>      |

## CVE References

| Description | Tags                                                              | Link                                                                                                         |
|-------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| 文档中心        | <a href="#">device.harmonyos.com</a><br><a href="#">text/html</a> | MISC <a href="#">device.harmonyos.com/cn/docs/security/update/security-bulletins-202107-0000001123874808</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                          | <a href="#">Huawei</a> | <a href="#">Harmonyos</a> | 2.0     | All    | All     | All      |
| cpe:2.3:o:huawei:harmonyos:2.0:*:*:*:*:*: |                        |                           |         |        |         |          |

No vendor comments have been submitted for this CVE

Social Mentions

| Source                                                                                          | Title                                                                                                                                                                | Posted (UTC)        |
|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  @CVEreport    | CVE-2021-22451 : A component of the HarmonyOS has a Integer Overflow or Wraparound vulnerability. Local attackers m... <a href="#">twitter.com/i/web/status/1...</a> | 2021-10-28 13:14:25 |
|  @threatmeter | CVE-2021-22451 A component of the HarmonyOS has a Integer Overflow or Wraparound vulnerability. Local attackers may... <a href="#">twitter.com/i/web/status/1...</a> | 2021-10-29 07:09:54 |

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