



# CVE-2021-32281

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## CVE-2021-32281

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

Certain versions of [Gravity](#) from [Creolabs](#) contain the following vulnerability:

An issue was discovered in gravity through 0.8.1. A heap-buffer-overflow exists in the function `gnode_function_add_upvalue` located in `gravity_ast.c`. It allows an attacker to cause code Execution.

CVE-2021-32281 has been assigned by [M](#) [cve@mitre.org](mailto:cve@mitre.org) to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.8 - HIGH**

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

CVSS2 Score: **6.8 - MEDIUM**

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

## CVE References

| Description                                                                                                | Tags                                                    | Link                                                                                                                                |
|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| A heap-buffer-overflow in gravity_ast.c:90:41 can cause abort · Issue #313 · marcobambini/gravity · GitHub | <a href="#">github.com</a><br><a href="#">text/html</a> | <a href="#">MISC</a><br><a href="https://github.com/marcobambini/gravity/issues/313">github.com/marcobambini/gravity/issues/313</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 |
|-----------------------------------|----------|---------|---------|--------|---------|----------|
| Application                       | Creolabs | Gravity | All     | All    | All     | All      |
| cpe:2.3:a:creolabs:gravity:*****: |          |         |         |        |         |          |

No vendor comments have been submitted for this CVE

Social Mentions

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