



# CVE-2018-14450

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## CVE-2018-14450

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

Certain versions of [Libgig](#) from [Linuxsampler](#) contain the following vulnerability:

An issue was discovered in libgig 4.1.0. There is an out-of-bounds read in the "update dimension region's chunks" feature of the function `gig::Region::UpdateChunks` in `gig.cpp`.

CVE-2018-14450 has been assigned by [M](#) [cve@mitre.org](mailto:cve@mitre.org) to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **8.8 - HIGH**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>NETWORK</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                                                                                                                                                            |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| pocs/README.md at master · TeamSeri0us/pocs · GitHub | <a href="#">Exploit</a><br><a href="#">Third Party Advisory</a><br><a href="#">github.com</a><br><a href="#">text/html</a> | <a href="#">MISC</a><br><a href="https://github.com/TeamSeri0us/pocs/blob/master/libgig/README.md">github.com/TeamSeri0us/pocs/blob/master/libgig/README.md</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                                    | <a href="#">Linuxsampler</a> | <a href="#">Libgig</a> | 4.1.0   | All    | All     | All      |
| Application                                    | <a href="#">Linuxsampler</a> | <a href="#">Libgig</a> | 4.1.0   | All    | All     | All      |
| cpe:2.3:a:linuxsampler:libgig:4.1.0:*:*:*:*:*: |                              |                        |         |        |         |          |
| cpe:2.3:a:linuxsampler:libgig:4.1.0:*:*:*:*:*: |                              |                        |         |        |         |          |

No vendor comments have been submitted for this CVE

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