

High Ikiesow published GHSA-9gwx-9cwp-5c2m on Jun 15, 2021

opencast

Patched versions

9.6

Impact

Consider an XML file (`createMediaPackage.xml`) like this:

◀ ▶

```
curl -i -u admin:opencast https://develop.opencast.org/ingestdownload/ingestdownload \
-F 'mediapackage=createMediaPackage.xml' \
-F sourceFlavors="" \
-F sourceTags="" \
-F deleteExternal="" \
-F tagsAndFlavor='' \
-O out.xml
```

- You can likely use other endpoints accepting XML (this was just the first one I tried) and depending on how much memory you want to consume, you might want to enlarge the lorem ipsum text.
- Opencast's XML parser does limit the expansion to 100 000 times, already limiting the attack. Nevertheless, this can already harm the system.
- To exploit this, users need to have ingest privileges, limiting the group of potential attackers

The problem has been fixed in Opencast 9.6. Older versions of Opencast are not patched sue to the extent of this patch.

There is no known workaround for this issue.

- [Billion laughs attack explained](#)
- For technical details, take a look at the patch fixing the issue: <https://github.com/opencast/opencast/commit/>

If you have any questions or comments about this advisory:

- Open an issue in [our issue tracker](#)
- Email us at security@opencast.org

High

CVE-2021-32623

Weaknesses

No CWEs

Credits

 darolfes

 Rilke

 Ikiesow