

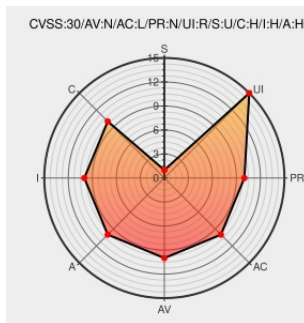


CVE-2019-8378

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CVE-2019-8378

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

Certain versions of [Bento4](#) from [Axiosys](#) contain the following vulnerability:

An issue was discovered in Bento4 1.5.1-628. A heap-based buffer over-read exists in `AP4_BitStream::ReadBytes()` in `Codecs/Ap4BitStream.cpp`, a similar issue to CVE-2017-14645. It can be triggered by sending a crafted file to the `aac2mp4` binary. It allows an attacker to cause a Denial of Service (Segmentation fault) or possibly have unspecified other impact.

CVE-2019-8378 has been assigned by [M](#) 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
NETWORK	LOW	NONE	REQUIRED
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: **6.8 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
A heap-buffer-overflow occurred in function <code>AP4_BitStream::ReadBytes()</code> · Issue #363 · axiomatic-	Exploit Third Party Advisory	MISC github.com/axiomatic-systems/Bento4/issues/363

CVE-2019-8378: A heap-buffer-overflow vulnerability in the function AP4_BitStream::ReadBytes() - Bento4-1.5.1-628 - Loginsoft Research

Exploit

Third Party Advisory

research.loginsoft.com

text/html

MISC research.loginsoft.com/bugs/a-heap-buffer-overflow-vulnerability-in-the-function-ap4_bitstreamreadbytes-bento4-1-5-1-628/

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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	Axiosys	Bento4	1.5.1-628	All	All	All
Application	Axiosys	Bento4	1.5.1-628	All	All	All
cpe:2.3:a:axiosys:bento4:1.5.1-628:*****:						
cpe:2.3:a:axiosys:bento4:1.5.1-628:*****:						

No vendor comments have been submitted for this CVE

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