

[← P...](#) 

sigd...
@si...

Security
Advisory:
CVE-2025-
60481 -
Out-of-
Bounds
Read in
GPAC/MP4
Box

Processing
a crafted
AC-4
stream
with an
invalid
`frame_rate
_index`
triggers an
out-of-
bounds
read in
`gf_odf_ac
4_cfg_dsi_v
1`, causing
MP4Box to
crash.

Summary:
The
`gf_odf_ac
4_cfg_dsi_v
1` function
in

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ptors.c`
uses a
stream-
supplied
`frame_rate
_index` to
index into
fixed-size
lookup
tables
(`AC4_SAM
PLE_DELTA
_TABLE_48
`,
`AC4_MEDI
A_TIMESCA
LE_48`).
The
function
does not
validate
that the
index is
within
bounds
before
performing
the table
lookup. A
crafted AC-
4 file
carrying an
out-of-
range index
(e.g., 15)
causes an
out-of-
bounds
read

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resulting in
a NULL
dereferenc
e and
process
crash.

CWE:
CWE-125 -
Out-of-
bounds
Read

Affected
Componen
t:

...

odf/descri
ptors.c:217
9

Function:
gf_odf_ac4
_cfg_dsi_v1
()
...

Affected
Product:
MP4Box
(GPAC
Multimedia
Open
Source
Project)

Affected
Version:
2.5-DEV-
rev1617

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2-master;
commit
`856674b2
26d6cbe28
a941ad223
be38194cb
f7d37`. Any
codebase
equivalent
to this
commit
that has
not applied
the fix
commit is
affected.

Attack
Conditions:
An attacker
supplies a
specially
crafted AC-
4 stream
file
containing
an invalid
`frame_rate
_index`
value.
Local
access is
required;
the victim
must
invoke
`MP4Box -
dash 100
<crafted fil

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DASH
segmentati
on
command
that
triggers the
AC-4
configurati
on
descriptor
parsing
path.

Impact:
The out-of-
bounds
read leads
to an
immediate
process
crash
(SEGV
READ at
address
0x00000000
00000),
resulting in
Denial of
Service. No
evidence of
arbitrary
code
execution
was
observed.

Fix /
mitigation
status:

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bounds
validation
for
`frame_rate
_index`
before the
fixed-size
table
lookups in
`gf_odf_ac
4_cfg_dsi_v
1`. Users
should
upgrade to
the release
containing
commit
`13eb5b76
560aaf781
3b865a2ad
433258478
e2695` or
apply that
patch
directly.

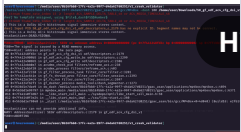
References

- Issue:
[github.com
/gpac/gpa
c/issues/3
3...](https://github.com/gpac/gpac/issues/333)
- PoC:
[github.com
/sigdevel/p
ocs/blob/...](https://github.com/sigdevel/pocs/blob/...)
- Fix:
github.com

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c/commit/
13...

Credit
@sigdevel



#fuzzing

#infosec

#security

...and 9 more

May
29,
2026, · 🌐 · We

05:58
PM

0 boosts · 0 qu

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