

[Skip to main content](#) 1

[Skip to main navigation](#) 2



sigd...
@si...

Security
Advisory:
CVE-2025-
60467 -
Use-After-
Free in
GPAC
MP4Box
PID Swap
Delete Task

Processing
a crafted
media file
with
MP4Box ` -
info` can
trigger a
heap use-
after-free in
`gf_filter_pi
d_inst_swa
p_delete_ta
sk()`,
causing a
crash and
potential
code
execution.

Summary:
The

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p_delete_task()
function in
`filter_core/
filter_pid.c`
can access
a
`GF_FilterPi
dInstance`
object after
it has
already
been freed
by
`gf_filter_pi
d_inst_swa
p_delete()`.
Crafted
input that
exercises
filter
reconfigura
tion and
deferred
teardown
paths can
cause the
scheduler
to process
a delete
task with a
stale
pointer.

AddressSanitizer
reports a
`heap-use-
after-free`

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filter_pid.c:
574`, with a
`READ of
size 4`
from a
previously
freed 336-
byte heap
region.

CWE:
CWE-416 -
Use After
Free

Affected
Component:
...

filter_core/f
ilter_pid.c:5
74
Function:
gf_filter_pi
d_inst_swa
p_delete_ta
sk()
...

Affected
Product:
MP4Box
(GPAC
Multimedia
Open
Source
Project)

Affected

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was reproduced on:
````

GPAC version: 2.5-DEV- rev1570- g6208015d f-master Commit: 6208015df f3a6735a2 6e413c484 c714666eb 3ea2  
````

The MITRE response states that GPAC Project/MP 4Box before `26.02.0` is affected. Builds before the fix commit `976dacf65 cb6986a4e 4f350fb8d 3ed0a17dc 3a77` should be considered affected if they

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deferred
PID swap
delete task
path.

Attack
Conditions:
An attacker
supplies a
crafted
media file
or filter
graph input
that is
processed
by MP4Box
through the
info/import
path and
triggers
PID
reconfigura
tion and
deferred
teardown.
The issue
can be
reproduced
locally
with:
...

```
./MP4Box -  
info  
37_gf_filter  
_pid_inst_s  
wap_delete  
_task_filter  
_core_filter  
pid c 574
```

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No elevated privileges are required. User interaction is required when the victim manually processes the malicious file, or an automated media workflow invokes MP4Box on attacker-controlled input.

The prepared CVSS vector:
...

AV:L/AC:L/
PR:N/UI:R/
S:U/C:L/I:H
/A:N
...

Impact:
The immediate observed

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Service due to process termination . Because the vulnerability is a heap use-after-free, memory corruption and potential arbitrary code execution are possible.

Fix / mitigation status:

The issue was fixed in GPAC commit: ...

976dacf65
cb6986a4e
4f350fb8d
3ed0a17dc
3a77
...

Users should update to a GPAC build containing

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later. The affected deferred task path should ensure that ``GF_FilterPidlInstance`` lifetime remains valid before a scheduled delete task accesses it.

References

:

- Issue:

github.com/gpac/gpac/issues/32...

- PoC:

github.com/sigdevel/pocs/blob/...

- Fix:

github.com/gpac/gpac/commit/97...

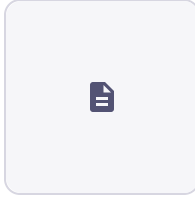
- CVE record:

cve.org/CVERecord?id=CVE-

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Credit
Alexander
A. Shvedov
(@sigdevel
)



#fuzzing

#infosec

#security

...and 11 more

Jun
20,
2026, · 🌐 · We
04:21
AM

0 boosts · 0 qu



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