



## Bug 2453169 - corosync: pre-auth OOB read in check\_memb\_commit\_token\_sanity + integer overflow in check\_memb\_join\_sanity

**Keywords:** Regression  Security

**Status:** CLOSED ERRATA

**Alias:** None

**Product:** Fedora

**Component:** corosync

**Version:** rawhide

**Hardware:** All

**OS:** Linux

**Priority:** unspecified

**Severity:** high

**Target:** ---

**Milestone:**

**Assignee:** Jan Friesse

**QA Contact:** Fedora Extras Quality Assurance

**Docs**

**Contact:**

**URL:** <https://github.com/corosync/corosync/...>

**Whiteboard:**

**Depends On:**

**Blocks:**

**TreeView+** [depends on](#) / [blocked](#)

**Reported:** 2026-03-30 20:18 UTC by Sebastian Alba

**Modified:** 2026-04-25 01:33 UTC ([History](#))

**CC List:** 3 users ([show](#))

**Fixed In Version:** corosync-3.1.10-2.fc43 corosync-3.1.9-4.fc42 corosync-3.1.10-5.fc44

**Clone Of:**

**Environment:**

**Last Closed:** 2026-04-08 00:53:39 UTC

**Type:** ---

**Embargoed:**

**Dependent Products:**

Attachments	(Terms of Use)	
<a href="#">PoC for Bug 1: ASAN heap-buffer-overflow in check_memb_commit_token_sanity</a> (2.70 KB, text/x-csrc) 2026-03-30 20:20 UTC, Sebastian Alba	<i>no flags</i>	<a href="#">Details</a>
<a href="#">Integer overflow bypass in check_memb_join_sanity</a> (4.68 KB, text/x-csrc) 2026-03-30 20:20 UTC, Sebastian Alba	<i>no flags</i>	<a href="#">Details</a>
<a href="#">ASAN output confirming OOB read</a> (2.45 KB, text/plain) 2026-03-30 20:21 UTC, Sebastian Alba	<i>no flags</i>	<a href="#">Details</a>
<a href="#">Output confirming integer overflow</a> (1.03 KB, text/plain) 2026-03-30 20:21 UTC, Sebastian Alba	<i>no flags</i>	<a href="#">Details</a>
<a href="#">View All</a>		

Sebastian Alba	2026-03-30 20:18:21 UTC	Description
<p>Two vulnerabilities in exec/totemgrp.c (current HEAD commit ee28d8f). Both pre-auth in totemudp/totemudpu mode. Different from <a href="#">CVE-2025-30472</a>.</p> <p><b>BUG 1</b> - CWE-393: check_memb_commit_token_sanity() returns 0 instead of -1 when msg_len &lt; sizeof(struct memb_commit_token). Compare with check_orf_token_sanity() which correctly returns -1. This allows message_handler_memb_commit_token() to process a truncated message causing heap-buffer-overflow READ. ASAN confirmed. Fix: change return (0) to return (-1) at ~line 3814.</p> <p><b>BUG-2</b> - CWE-190: In check_memb_join_sanity() ~line 3789, (proc_list_entries + failed_list_entries) wraps in uint32 before size_t promotion. With proc=0x80000000 + failed=0x80000000, sum=0, bypassing bounds check. Fix: cast to size_t before addition.</p> <p>ASAN harnesses will be attached after submission.</p> <p>Reproducible: Always</p> <p>Steps to Reproduce:</p> <ol style="list-style-type: none"><li>gcc -fsanitize=address,undefined -g -O0 harness_bug1_minimal.c -o harness_bug1</li><li>./harness_bug1</li><li>Observe ASAN heap-buffer-overflow READ</li></ol> <p>Actual Results: ASAN reports heap-buffer-overflow READ of size 4, 21 bytes past allocation</p> <p>Expected Results: check_memb_commit_token_sanity should return -1 and reject the short message</p> <p>Additional Information: Reporter: Sebastian Alba Vives (@Sebasteuo / 0xS4bb1) Contact: sebasjosue84 90-day disclosure deadline: June 28, 2026. Requesting separate CVE assignments for each vulnerability. Also reported to jfriesse and secalert. CVSS <b>Bug 1</b>: 8.2 (AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:H) CVSS <b>Bug-2</b>: 7.5 (AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H)</p>		

Sebastian Alba	2026-03-30 20:20:21 UTC	Comment 1
<p>Created <a href="#">attachment 2135489 [details]</a> PoC for <b>Bug 1</b>: ASAN heap-buffer-overflow in check_memb_commit_token_sanity</p>		

Sebastian Alba	2026-03-30 20:20:42 UTC	Comment 2
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Created [attachment 2135490 \[details\]](#)  
Integer overflow bypass in check\_memb\_join\_sanity

Sebastian Alba 2026-03-30 20:21:01 UTC

[Comment 3](#)

Created [attachment 2135491 \[details\]](#)  
ASAN output confirming OOB read

Sebastian Alba 2026-03-30 20:21:16 UTC

[Comment 4](#)

Created [attachment 2135493 \[details\]](#)  
Output confirming integer overflow

Fedora Update System 2026-04-02 14:54:39 UTC

[Comment 5](#)

FEDORA-2026-e34a334e81 (corosync-3.1.10-5.fc44) has been submitted as an update to Fedora 44.  
<https://bodhi.fedoraproject.org/updates/FEDORA-2026-e34a334e81>

Fedora Update System 2026-04-02 15:05:45 UTC

[Comment 6](#)

FEDORA-2026-ee4ff58256 (corosync-3.1.10-2.fc43) has been submitted as an update to Fedora 43.  
<https://bodhi.fedoraproject.org/updates/FEDORA-2026-ee4ff58256>

Fedora Update System 2026-04-02 15:14:36 UTC

[Comment 7](#)

FEDORA-2026-95ee0edcd5 (corosync-3.1.9-4.fc42) has been submitted as an update to Fedora 42.  
<https://bodhi.fedoraproject.org/updates/FEDORA-2026-95ee0edcd5>

Fedora Update System 2026-04-03 17:30:50 UTC

[Comment 8](#)

FEDORA-2026-95ee0edcd5 has been pushed to the Fedora 42 testing repository.  
Soon you'll be able to install the update with the following command:

```
`sudo dnf upgrade --enablerepo=updates-testing --refresh --
advisory=FEDORA-2026-95ee0edcd5`
You can provide feedback for this update here:
https://bodhi.fedoraproject.org/updates/FEDORA-2026-95ee0edcd5
```

See also [https://fedoraproject.org/wiki/QA:Updates\\_Testing](https://fedoraproject.org/wiki/QA:Updates_Testing) for more information on how to test updates.

Fedora Update System 2026-04-03 17:56:37 UTC

[Comment 9](#)

FEDORA-2026-ee4ff58256 has been pushed to the Fedora 43 testing repository.  
Soon you'll be able to install the update with the following command:

```
`sudo dnf upgrade --enablerepo=updates-testing --refresh --
advisory=FEDORA-2026-ee4ff58256`
You can provide feedback for this update here:
https://bodhi.fedoraproject.org/updates/FEDORA-2026-ee4ff58256
```

See also [https://fedoraproject.org/wiki/QA:Updates\\_Testing](https://fedoraproject.org/wiki/QA:Updates_Testing) for more information on how to test updates.

Fedora Update System 2026-04-03 18:04:26 UTC

[Comment 10](#)

FEDORA-2026-e34a334e81 has been pushed to the Fedora 44 testing repository.  
Soon you'll be able to install the update with the following command:

```
`sudo dnf upgrade --enablerepo=updates-testing --refresh --
advisory=FEDORA-2026-e34a334e81`
You can provide feedback for this update here:
https://bodhi.fedoraproject.org/updates/FEDORA-2026-e34a334e81
```

See also [https://fedoraproject.org/wiki/QA:Updates\\_Testing](https://fedoraproject.org/wiki/QA:Updates_Testing) for more information on how to test updates.

Fedora Update System 2026-04-08 00:53:39 UTC

[Comment 11](#)

FEDORA-2026-ee4ff58256 (corosync-3.1.10-2.fc43) has been pushed to the Fedora 43 stable repository.  
If problem still persists, please make note of it in this bug report.

Fedora Update System 2026-04-12 15:53:21 UTC

[Comment 12](#)

FEDORA-2026-95ee0edcd5 (corosync-3.1.9-4.fc42) has been pushed to the Fedora 42 stable repository.  
If problem still persists, please make note of it in this bug report.

Fedora Update System 2026-04-25 01:33:43 UTC

[Comment 13](#)

FEDORA-2026-e34a334e81 (corosync-3.1.10-5.fc44) has been pushed to the Fedora 44 stable repository.  
If problem still persists, please make note of it in this bug report.

Note

You need to [log in](#) before you can comment on or make changes to this bug.

