



# mm/huge\_memory: fix folio isn't locked in softleaf\_to\_folio()

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

## Summary

|                        |  |
|------------------------|--|
| <b>CVE</b>             | CVE-2026-31466                               |
| <b>State</b>           | PUBLISHED                                    |
| <b>Assigner</b>        | Linux  |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback |
| <b>Published</b>       | 2026-04-22 14:16:42 UTC                      |
| <b>Updated</b>         | 2026-04-22 14:16:42 UTC                      |

**Description** In the Linux kernel, the following vulnerability has been resolved: mm/huge\_memory: fix folio isn't locked in softleaf\_to\_folio

## Vendor Declared Affected Products

| Source | Vendor                | Product               | Version  |
|--------|-----------------------|-----------------------|--|
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | affected e9b61f19858a5d6c42ce2298cf138279375d0d9b 426ee10711586617da869c8bb798214965337617 g   |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | affected e9b61f19858a5d6c42ce2298cf138279375d0d9b f1acf5887c2bbaf998dc3fe32c72b7a8b84a3ddd git |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | affected e9b61f19858a5d6c42ce2298cf138279375d0d9b 722cfaf6b31d31123439e67b5deac6b1261a3dea git |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | affected e9b61f19858a5d6c42ce2298cf138279375d0d9b 7ddcf4a245c1c5a91fdd9698757e3d95179ffe41 git |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | affected e9b61f19858a5d6c42ce2298cf138279375d0d9b b8c49ad888892ad7b77062b9c102b799a3e9b4f8 gi  |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | affected e9b61f19858a5d6c42ce2298cf138279375d0d9b 7ad1997b9bc8032603df8f091761114479285769 git |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | affected e9b61f19858a5d6c42ce2298cf138279375d0d9b 8bfb8414e9f2ce6f5f2f0e3d0da52f2d132128e7 git |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | affected e9b61f19858a5d6c42ce2298cf138279375d0d9b 4c5e7f0fcd592801c9cc18f29f80fbee84eb8669 git |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | affected 4.5   |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | unaffected 4.5 semver  |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | unaffected 5.10.253 5.10.* semver  |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | unaffected 5.15.203 5.15.* semver  |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | unaffected 6.1.168 6.1.* semver  |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | unaffected 6.6.134 6.6.* semver  |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | unaffected 6.12.81 6.12.* semver   |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | unaffected 6.18.21 6.18.* semver   |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | unaffected 6.19.11 6.19.* semver   |
| CNA    | <a href="#">Linux</a> | <a href="#">Linux</a> | unaffected 7.0 * original_commit_for_fix   |

## References

| Reference   | Source                               | Link  | Tags    |
|---|--------------------------------------|---|---------|
| <a href="https://git.kernel.org/stable/c/426ee10711586617da869c8bb798214965337617">git.kernel.org/stable/c/426ee10711586617da869c8bb798214965337617</a> | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | <a href="https://git.kernel.org">git.kernel.org</a> |         |
| <a href="https://git.kernel.org/stable/c/f1acf5887c2bbaf998dc3fe32c72b7a8b84a3ddd">git.kernel.org/stable/c/f1acf5887c2bbaf998dc3fe32c72b7a8b84a3ddd</a> | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | <a href="https://git.kernel.org">git.kernel.org</a> |         |
| <a href="https://git.kernel.org/stable/c/4c5e7f0fcd592801c9cc18f29f80fbee84eb8669">git.kernel.org/stable/c/4c5e7f0fcd592801c9cc18f29f80fbee84eb8669</a> | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | <a href="https://git.kernel.org">git.kernel.org</a> |         |
| <a href="https://git.kernel.org/stable/c/b8c49ad888892ad7b77062b9c102b799a3e9b4f8">git.kernel.org/stable/c/b8c49ad888892ad7b77062b9c102b799a3e9b4f8</a> | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | <a href="https://git.kernel.org">git.kernel.org</a> |         |
| <a href="https://git.kernel.org/stable/c/722cfaf6b31d31123439e67b5deac6b1261a3dea">git.kernel.org/stable/c/722cfaf6b31d31123439e67b5deac6b1261a3dea</a> | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | <a href="https://git.kernel.org">git.kernel.org</a> |         |
| <a href="https://git.kernel.org/stable/c/7ad1997b9bc8032603df8f091761114479285769">git.kernel.org/stable/c/7ad1997b9bc8032603df8f091761114479285769</a> | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | <a href="https://git.kernel.org">git.kernel.org</a> |         |
| <a href="https://git.kernel.org/stable/c/8bfb8414e9f2ce6f5f2f0e3d0da52f2d132128e7">git.kernel.org/stable/c/8bfb8414e9f2ce6f5f2f0e3d0da52f2d132128e7</a> | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | <a href="https://git.kernel.org">git.kernel.org</a> |         |
| <a href="https://git.kernel.org/stable/c/7ddcf4a245c1c5a91fdd9698757e3d95179ffe41">git.kernel.org/stable/c/7ddcf4a245c1c5a91fdd9698757e3d95179ffe41</a> | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | <a href="https://git.kernel.org">git.kernel.org</a> |         |
| CVE Program record  | CVE.ORG                              | <a href="https://www.cve.org">www.cve.org</a>       | canonic |
| NVD vulnerability detail  | NVD                                  | <a href="https://nvd.nist.gov">nvd.nist.gov</a>     | canonic |

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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