



# HID: core: clamp report\_size in s32ton() to avoid undefined shift

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## Summary

<b>CVE</b>	CVE-2026-31624
<b>State</b>	PUBLISHED
<b>Assigner</b>	Linux
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-04-24 15:16:41 UTC
<b>Updated</b>	2026-04-24 17:51:40 UTC

**Description** In the Linux kernel, the following vulnerability has been resolved: HID: core: clamp report\_size in s32ton() to avoid undefine

## Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	affected 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2 58386f00af710922cafb0fb69211497beddfaa95 git
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	affected 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2 8a8333237f1f5caab8d4c3d2c2e7578c4263a97f git
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	affected 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2 ea363a34086ddb4231adc581a7f36c39ec154bfc git
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	affected 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2 97014719bb8fccb1ffcbbc299e84b1f11b114195 git
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	unaffected 6.12.83 6.12.* semver
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	unaffected 6.18.24 6.18.* semver
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	unaffected 6.19.14 6.19.* semver
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	unaffected 7.0.1 7.0.* semver

## References

Reference	Source	Link	Tags
<a href="https://git.kernel.org/stable/c/ea363a34086ddb4231adc581a7f36c39ec154bfc">git.kernel.org/stable/c/ea363a34086ddb4231adc581a7f36c39ec154bfc</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	
<a href="https://git.kernel.org/stable/c/8a8333237f1f5caab8d4c3d2c2e7578c4263a97f">git.kernel.org/stable/c/8a8333237f1f5caab8d4c3d2c2e7578c4263a97f</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	
<a href="https://git.kernel.org/stable/c/58386f00af710922cafb0fb69211497beddfaa95">git.kernel.org/stable/c/58386f00af710922cafb0fb69211497beddfaa95</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	
<a href="https://git.kernel.org/stable/c/97014719bb8fccb1ffcbbc299e84b1f11b114195">git.kernel.org/stable/c/97014719bb8fccb1ffcbbc299e84b1f11b114195</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>	canonical
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	canonical

No vendor comments have been submitted for this CVE

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

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