



# RDMA/irdma: Harden depth calculation functions

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## Summary

<b>CVE</b>	CVE-2026-31491
<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 14:16:46 UTC
<b>Updated</b>	2026-04-22 14:16:46 UTC
<b>Description</b>	In the Linux kernel, the following vulnerability has been resolved: RDMA/irdma: Harden depth calculation functions An issue

## Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	affected 563e1feb5f6ed579acb55850f1bbb831aecf645a 3f08351de5ca4f2f724b86ad252fbc21289467e1 git
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	affected 563e1feb5f6ed579acb55850f1bbb831aecf645a cbd852f5700eb3f64392452faf693ac45cae8281 git
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	affected 563e1feb5f6ed579acb55850f1bbb831aecf645a e37afcb56ae070477741fe2d6e61fc0c542cce2d git
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	affected 6.18
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	unaffected 6.18 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/cbd852f5700eb3f64392452faf693ac45cae8281">git.kernel.org/stable/c/cbd852f5700eb3f64392452faf693ac45cae8281</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	
<a href="https://git.kernel.org/stable/c/e37afcb56ae070477741fe2d6e61fc0c542cce2d">git.kernel.org/stable/c/e37afcb56ae070477741fe2d6e61fc0c542cce2d</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	
<a href="https://git.kernel.org/stable/c/3f08351de5ca4f2f724b86ad252fbc21289467e1">git.kernel.org/stable/c/3f08351de5ca4f2f724b86ad252fbc21289467e1</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.

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

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