net/sched: cls_fw: fix NULL pointer dereference on shared blocks

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Summary

CVE	CVE-2026-31421
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-13 14:16:11 UTC
Updated	2026-04-18 09:16:31 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: net/sched: cls_fw: fix NULL pointer dereference on sharec

Risk And Classification

EPSS: 0.000240000 probability, percentile 0.066100000 (date 2026-04-18)

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 1abf272022cf1d18469405f47b4ec49c6a3125db d6d5bd62a09650856e1e2010eb09853eba0d64e1 gi
CNA	Linux	Linux	affected 1abf272022cf1d18469405f47b4ec49c6a3125db febf64ca79a2d6540ab6e5e197fa0f4f7e84473e git
CNA	Linux	Linux	affected 1abf272022cf1d18469405f47b4ec49c6a3125db 3d41f9a314afa94b1c7c7c75405920123220e8cd git
CNA	Linux	Linux	affected 1abf272022cf1d18469405f47b4ec49c6a3125db 18328eff2f97d1a6adcdb6d4a0f42f2f83a31e28 git
CNA	Linux	Linux	affected 1abf272022cf1d18469405f47b4ec49c6a3125db 5cf41031922c154aa5ccda8bcdb0f5e6226582ec git
CNA	Linux	Linux	affected 1abf272022cf1d18469405f47b4ec49c6a3125db 3cb055df9e8625ce699a259d8178d67b37f2b160 git
CNA	Linux	Linux	affected 1abf272022cf1d18469405f47b4ec49c6a3125db 96426c348def662b06bfdc65be3002905604927a git
CNA	Linux	Linux	affected 1abf272022cf1d18469405f47b4ec49c6a3125db faeea8bbf6e958bf3c00cb08263109661975987c git
CNA	Linux	Linux	affected 4.15
CNA	Linux	Linux	unaffected 4.15 semver
CNA	Linux	Linux	unaffected 5.10.253 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.203 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.168 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.134 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.81 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.22 6.18.* semver

CNA	Linux	Linux	unaffected 6.19.12 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/d6d5bd62a09650856e1e2010eb09853eba0d64e1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/faeea8bbf6e958bf3c00cb08263109661975987c	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/3d41f9a314afa94b1c7c7c75405920123220e8cd	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/3cb055df9e8625ce699a259d8178d67b37f2b160	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/febf64ca79a2d6540ab6e5e197fa0f4f7e84473e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/5cf41031922c154aa5ccda8bcdb0f5e6226582ec	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/96426c348def662b06bfdc65be3002905604927a	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/18328eff2f97d1a6adcdb6d4a0f42f2f83a31e28	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
CVE Program record	CVE.ORG	www.cve.org	canonic
NVD vulnerability detail	NVD	nvd.nist.gov	canonic

No vendor comments have been submitted for this CVE.

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