



# Bluetooth: SMP: derive legacy responder STK authentication from MITM state

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

## Summary

<b>CVE</b>	CVE-2026-31773
<b>State</b>	PUBLISHED
<b>Assigner</b>	Linux
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-05-01 15:16:40 UTC
<b>Updated</b>	2026-05-03 07:16:20 UTC

**Description** In the Linux kernel, the following vulnerability has been resolved: Bluetooth: SMP: derive legacy responder STK authentication

## Risk And Classification

**Primary CVSS:** v3.1 8.8 HIGH from 416baaa9-dc9f-4396-8d5f-8c081fb06d67

**CVSS:** 3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

**EPSS:** 0.000460000 probability, percentile 0.139200000 (date 2026-05-02)

Version	Source	Type	Score	Severity	Vector
3.1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	Secondary	8.8	HIGH	CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
3.1	CNA	DECLARED	8.8	HIGH	CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

## CVSS v3.1 Breakdown

Attack Vector

Adjacent

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

### Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected fff3490f47810e2d34b91fb9e31103e923b11c2f 9a38659a3d06080715691bd3139f9c4b61f688e3 git
CNA	Linux	Linux	affected fff3490f47810e2d34b91fb9e31103e923b11c2f 667f44f1392df6482483756458c48670e579e9ff git
CNA	Linux	Linux	affected fff3490f47810e2d34b91fb9e31103e923b11c2f 929db734d12db41ca5f95424db4612397f1bd4a7 git
CNA	Linux	Linux	affected fff3490f47810e2d34b91fb9e31103e923b11c2f b1c6a8e554a39b222c0879a288ea98e338fc4d77 git
CNA	Linux	Linux	affected fff3490f47810e2d34b91fb9e31103e923b11c2f 0afc846bd80073ffcd2b8040f2b2fafaea3d9f72 git
CNA	Linux	Linux	affected fff3490f47810e2d34b91fb9e31103e923b11c2f 061ee71ac6b03c9f8432fe49538c3682bfcf4cf3 git
CNA	Linux	Linux	affected fff3490f47810e2d34b91fb9e31103e923b11c2f 9a6d0db176f082685e0b6149700c0baf3ce2aa8b git
CNA	Linux	Linux	affected fff3490f47810e2d34b91fb9e31103e923b11c2f 20756fec2f0108cb88e815941f1ffff88dc286fe git
CNA	Linux	Linux	affected 14ec593d6bb050cf40a4ade2f9ac9ca050e0412c git
CNA	Linux	Linux	affected 3.16
CNA	Linux	Linux	unaffected 3.16 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/9a6d0db176f082685e0b6149700c0baf3ce2aa8b	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	
git.kernel.org/stable/c/9a38659a3d06080715691bd3139f9c4b61f688e3	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	
git.kernel.org/stable/c/061ee71ac6b03c9f8432fe49538c3682bfcf4cf3	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	
git.kernel.org/stable/c/b1c6a8e554a39b222c0879a288ea98e338fc4d77	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	
git.kernel.org/stable/c/929db734d12db41ca5f95424db4612397f1bd4a7	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	
git.kernel.org/stable/c/667f44f1392df6482483756458c48670e579e9ff	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	
git.kernel.org/stable/c/20756fec2f0108cb88e815941f1ffff88dc286fe	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	

git.kernel.org/stable/c/0afc846bd80073ffcd2b8040f2b2fafa3d9f72	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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