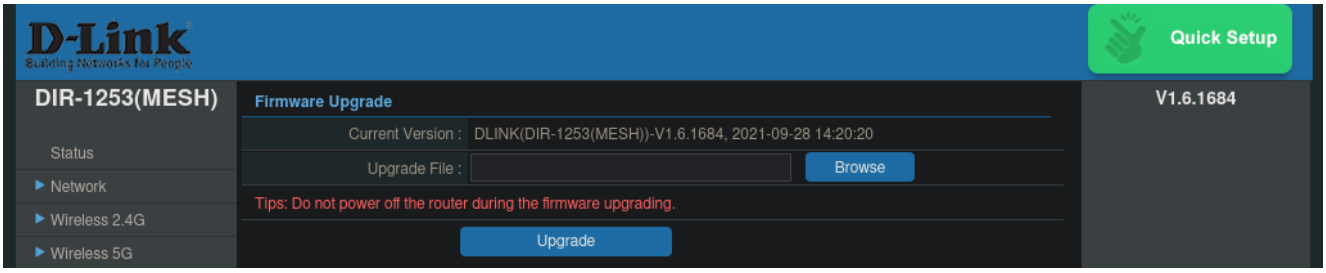
README.md

CVE-2025-29165

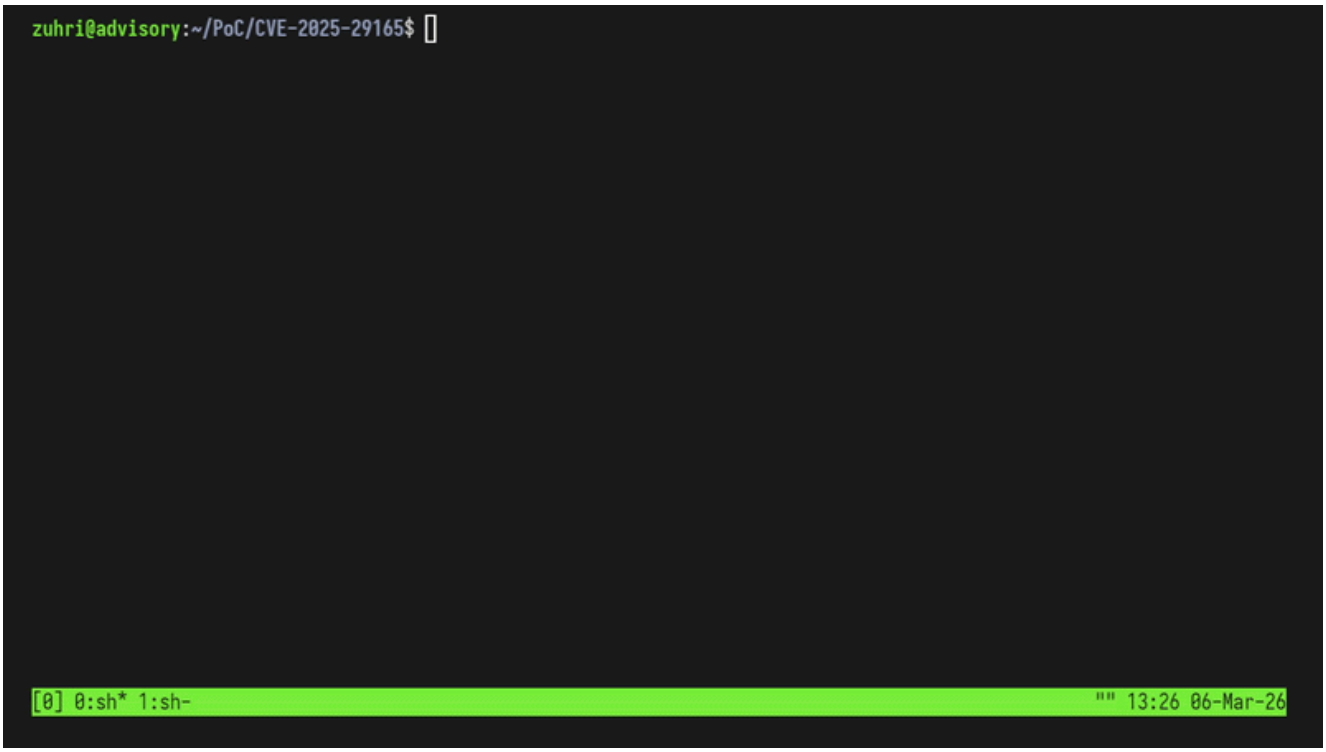


Hardcoded Credential on DLINK DIR-1253 Firmware

Prior version <= V1.6.1684 DLINK DIR-1253 vulnerable to information disclosure (Hardcoded Credential). The file affected at `/etc/shadow.sample` contained a hardcoded `root` credential. These credentials are used in `/var/shadow` by the following `/init.d/rcS_{AP,GW}` boot script, this script is being execute when booting process is start.

Proof of Concept

A fully automate PoC script.



find more vulnerability detail at https://zuh.re/cve/2025-29165.

Conclusion

This vulnerability allows an attacker to compromise root access level via tty (TTL pin) as example, which will turn into arbitrary attack vector.

References

- NIST: CVE-2024-37630
- MITRE: CWE-276
- MITRE: CWE-798

Link Firmware

- https://github.com/rhpz/DIR-1253
- https://archive.org/details/dir-1253-m-dlink-id-v-1.6.1527