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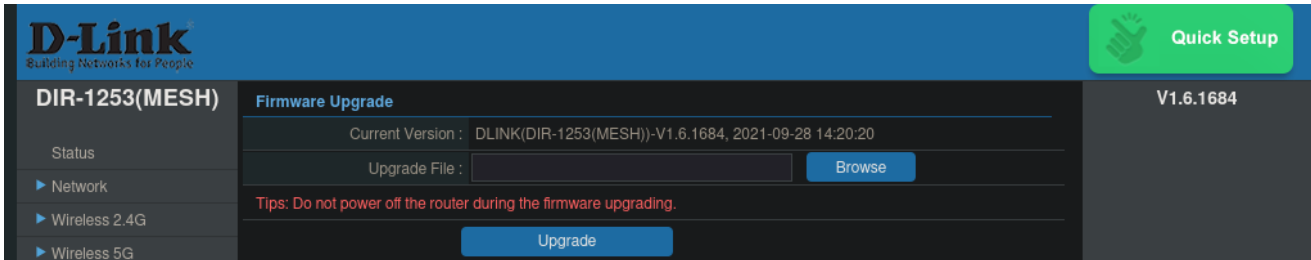
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README.md

CVE-2025-29165



The screenshot shows the D-Link DIR-1253(MESH) Firmware Upgrade interface. It includes a 'Quick Setup' button, a 'Firmware Upgrade' section with 'Current Version' (DLINK(DIR-1253(MESH))-V1.6.1684, 2021-09-28 14:20:20) and an 'Upgrade File' field with a 'Browse' button. A warning message states: 'Tips: Do not power off the router during the firmware upgrading.' An 'Upgrade' button is at the bottom.

Hardcoded Credential on DLINK DIR-1253 Firmware

Prior version \leq 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.

```
zuhri@advisory:~/PoC/CVE-2025-29165$ []  
  
[0] 0:sh* 1:sh- "" 13:26 06-Mar-26
```

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>

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