



Pakistan Telecom Authority Headquarters, Islamabad

PTA Cyber Security Advisory No. 301

10-07-2024

Name: Linux Kernel Vulnerability

Threat Classification: Vulnerability

Affected Software / Services:

- Linux Kernel 6.1
- Linux Kernel 6.7.0
- Linux Kernel 4.1

Summary:



A vulnerability, CVE-2024-27397, has been identified in the Linux Kernel that could enable a local authenticated attacker to escalate privileges on the system. This flaw in the netfilter subsystem is due to a use-after-free issue. An authenticated attacker could exploit this by sending a specifically crafted request to gain elevated privileges or potentially crash the system.

Severity	High
Attack Vector	Privilege Escalation

Recommendations:

- Refer to Linux Kernel GIT Repository for patch, upgrade or suggested workaround information.

<https://git.kernel.org/pub/scm/linux/kernel/git/stable/linux.git/commit/?id=b45176b869673417ace338b87cf9cdb66e2eeb01>

- Keep all the systems and software's up to date with the latest security patches to prevent attackers from exploiting known vulnerabilities.
- In case of any incident, please report to this office, through PTA CERT Portal and email.

