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Submit #792249: Totolink A7100RU 7.4cu.2313_b20191024 Command Injection

Title Totolink A7100RU 7.4cu.2313_b20191024 Command Injection

Description A pre-authentication OS command injection vulnerability exists in the `setDiagnosisCfg` functionality exposed via the web management interface (`/cgi-bin/cstecgi.cgi`) of the TOTOLINK A7100RU 7.4cu.2313_b20191024 router. The CGI handler retrieves user-controlled input from the HTTP parameter `ip`, embeds it directly into a shell command string using `sprintf`, and executes it via `CsteSystem()` without any sanitization or escaping. As a result, a remote attacker with network access to the web interface can inject arbitrary shell commands and execute them with root privileges on the device, without authentication. This allows full compromise of the router and, potentially, further compromise of the attached network.

Source https://github.com/Lifengzheng/vuldb_new/blob/main/A7100RU/vul_181/README.md

User LizHue2 (UID 95662)

Submission 03/29/2026 06:10 AM (14 days ago)

Moderation 04/11/2026 10:16 AM (13 days later)

Status Accepted

VulDB entry [VulDB Entry](#) [Totolink A7100RU 7.4cu.2313_b20191024 CGI /cgi-bin/cstecgi.cgi setDiagnosisCfg ip os command injection]

Points 20

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Documentation

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