COMMUNITY CONTENT

Submit #792987: 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 `UploadFirmwareFile` 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 `FileName`, 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/Litengzheng/vuldb_new/blob/main/A7100RU/vul_193/README.md
User	LizHuster (UID 95786)
Submission	03/30/2026 06:02 PM (13 days ago)
Moderation	04/12/2026 09:27 AM (13 days later)
Status	Accepted
VulDB entry	359576 [Totolink A7100RU 7.4cu.2313_b20191024 CGI /cgi-bin/cstecgi.cgi UploadFirmwareFile FileName os command injection]
Points	20

Community Content

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The corresponding VulDB entries contain the moderated, verified, and normalized information provided within the raw submission.

Documentation

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- Data Processing
- CVE Handling