



Home > Submit > 782299

Submit #782299: Tenda AC10 V4 US_AC10V4.0si_V16.03.10.10_multi_TDE01 Stack-based Buffer Overflow

Title Tenda AC10 V4 US_AC10V4.0si_V16.03.10.10_multi_TDE01 Stack-based Buffer Overflow

Description Static analysis of /bin/httpd in Tenda AC10 V4 firmware V16.03.10.10 identified 229 call sites to GetValue() which reads NVRAM values into caller-provided buffers without length validation. Multiple goform handlers use fixed-size stack buffers of 16 to 64 bytes as destinations including fromSysToolChangePwd (36 bytes), formSetMacFilterCfg (32 bytes), formGetIPv6status, formWanParameterSetting, formWifiBasicSet, and fromAdvSetLanip. The absence of stack canaries and fixed binary addresses make exploitation of any vulnerable call site reliable.

Source <https://github.com/somanyerrors/tenda-ac10v4-vulnerabilities/blob/main/findings/HIGH-01-getvalue-229-callers.md>

User CoreNode (UID 96566)

Submission 03/18/2026 04:35 PM (18 days ago)

Moderation 04/04/2026 03:28 PM (17 days later)

Status Accepted

VulDB entry 355314 [Tenda AC10 16.03.10.10_multi_TDE01 /bin/httpd fromSysToolChangePwd stack-based overflow]

Points 20

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