LOUST-PRO/NetBoozt_InternetUpgrade

Source: LOUST · **Status:** Active · **Period:** 2024-03 (active)

TCP and DNS tuning plus connectivity diagnostics for ISP-constrained paths: surfaces the actual transport chain, not just ping.

The challenge

Standard networking diagnostics (ping, mtr, dig) could not tell me whether a slow connection was DNS, TCP, TLS, or the application protocol. On Mexican ISP paths, deep-packet inspection was the dominant variable, and I had no way to see it.

My role

I built a desktop tool that surfaces the actual transport chain — resolver, RTT, TLS handshake — with per-ISP profile switching so the user can tune behavior for each carrier without restarting the daemon.

What changed

Bottleneck identification

Baseline: About 10 minutes of guessing and switching tools

Under 1 minute reading the chain

Profile switching

Baseline: Required daemon restart

Live switch in under 5 seconds

Tool startup time

Baseline: About 3 seconds (Electron baseline)

Under 1 second (Tauri)

Stack

Rust | Tauri | Linux | networking