LinkEye

WAN Link Performance & Sizing Report

Location: Noida-Lenslab-branch, Noida
Vendor: TCL
Link Type: ILL (Internet Leased Line)
Business Hours: 00:00–18:00
Provisioned Speed: 10.0 Mbps

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1. Usage Pattern Analysis

The 10 Mbps link is significantly underutilized, with an average usage of just 1.2% of its capacity. For over 99% of the time, traffic is minimal and stable. However, the link experiences infrequent but extremely high-demand bursts. These short spikes represent anomalous usage behavior compared to the otherwise low and flat traffic profile.

2. Capacity Planning Recommendations

The link is heavily over-provisioned for its routine workload. Based on sustained usage patterns, we recommend right-sizing the circuit to better align cost with actual demand.
* **Conservative:** 5 Mbps
* **Balanced:** 2 Mbps
* **Aggressive:** 1 Mbps

The **Balanced recommendation of 2 Mbps** is suggested, as it comfortably covers 99% of all usage while offering significant cost savings.

3. Performance Risks & Bottlenecks

The primary performance risk is service degradation during peak bursts. Data shows peak demand has reached 17.85 Mbps, far exceeding the current 10 Mbps provisioned speed. These congestion events, though brief (totaling 37 minutes), create a clear bottleneck that can impact application performance for end-users.

Conclusion

The link should be downgraded to a **2 Mbps** circuit to reduce operational costs while still adequately supporting the vast majority of traffic needs.

Visual Insights