WAN Link Performance & Sizing Report

Location: BGR-Tanishq Store, Bengaluru
Vendor: ACT
Link Type: DBB
Provisioned Speed: 500.0 Mbps

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1. Usage Pattern Analysis

The 500 Mbps link is significantly underutilized. Average usage is only 2.61 Mbps (0.5% of capacity), with predictable, higher usage during business hours (3.49 Mbps). Data shows that for 95% of the time, bandwidth demand remains below 9 Mbps. While a single peak reached 348 Mbps, this was an isolated event, with no sustained high usage or signs of recurring congestion. The overall usage trend is stable with no projected growth.

2. Capacity Planning Recommendations

This link is severely over-provisioned. We recommend rightsizing the circuit to align with actual demand and achieve cost savings. Based on sustained usage patterns, we suggest the following provisioning options:

* **Conservative:** 10.5 Mbps
* **Balanced (Recommended): 13 Mbps**
* **Aggressive:** 383 Mbps

A balanced provisioning of 15 Mbps (including a 15% buffer for future growth) is a safe and cost-effective target.

3. Performance Risks & Bottlenecks

There are currently no performance risks. The link operates within excellent SLA parameters 100% of the time, with zero instances of congestion or capacity alerts. The current provisioning far exceeds even the most extreme, momentary peak usage, eliminating any network bottleneck concerns at this location.

Conclusion

This link should be downgraded to better match operational needs; we recommend a new provisioning target of **15 Mbps**.

Visual Insights

2 Hour Average Bandwidth Usage

Bandwidth Usage Distribution