



WAN Link Performance & Strategy Report

****Location:**** Pune Teal, Pune
****Vendor:**** GTPL
****Link Type:**** ILL
****Business Hours:**** 09:00–18:00
****Provisioned Speed:**** 100.0 Mbps

1. Usage Pattern Analysis

The 100 Mbps link is significantly underutilized, with average usage at only 2.8% of its capacity. Traffic is concentrated during business hours, but even sustained peak usage remains low. However, the data reveals irregular, high-intensity bursts, indicating that specific applications or processes occasionally demand extreme bandwidth for very short periods. The overall usage trend is stable with no projected growth.

2. Capacity Planning Recommendations

The link is heavily over-provisioned. Based on a 95th percentile usage of 13 Mbps, we recommend right-sizing the circuit to better match actual demand and optimize costs.

- ****Conservative:**** 15.6 Mbps
- ****Balanced (Recommended):**** 19 Mbps
- ****Aggressive:**** 204 Mbps

We suggest adopting the balanced strategy by provisioning a link closer to 25 Mbps.

3. Performance Risks & Bottlenecks

Despite low average utilization, the link faces a performance risk from extreme traffic spikes. Peak usage has been recorded at 185.14 Mbps, far exceeding the 100 Mbps provisioned speed. These infrequent but severe bursts can cause packet loss, high latency, and temporary service degradation for all users during those moments.

Conclusion

The link should be downgraded to optimize costs, with a recommended new provisioning speed of 25 Mbps to align with sustained peak usage while providing a buffer for growth.

Visual Insights

