



WAN Link Performance & Sizing Report

****Location:**** HIM-Tanishq Store, Hyderabad
****Vendor:**** ACT
****Link Type:**** DBB
****Business Hours:**** 09:00–18:00
****Provisioned Speed:**** 500.0 Mbps

1. Usage Pattern Analysis

The link is severely underutilized, with average usage at less than 1% of its 500 Mbps capacity. Bandwidth demand is stable and predictable, with slightly higher traffic during business hours. While a single, brief spike reached nearly 430 Mbps, this is a rare anomaly. Sustained daily peak usage averages only 8.26 Mbps, and 95% of the time, usage remains below 8 Mbps. The connection is consistently underutilized across all hours.

2. Capacity Planning Recommendations

The current 500 Mbps link is significantly over-provisioned. Based on sustained usage patterns, rightsizing the circuit will yield substantial cost savings without impacting performance.

- ****Conservative:**** 9.3 Mbps
- ****Balanced:**** 12 Mbps
- ****Aggressive:**** 473 Mbps

We recommend adopting a balanced approach, provisioning the link to accommodate typical peaks plus a buffer for future growth.

3. Performance Risks & Bottlenecks

There is no risk of network congestion. The link has never exceeded 90% of its capacity, and performance remains excellent 100% of the time. The isolated high-usage burst did not cause a sustained bottleneck and does not represent typical operational demand.

Conclusion

The link should be downgraded to a ****15 Mbps**** plan to align capacity with actual business needs and optimize costs.

Visual Insights

