WAN Link Performance & Capacity Report

Location: COIMBATORE-FACTORY-branch, COIMBATORE
Vendor: SKYLINK NETWORKS
Link Type: ILL
Business Hours: 09:00–18:00
Provisioned Speed: 100.0 Mbps

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1. Usage Pattern Analysis

The 100 Mbps link is significantly underutilized. Average business-hour usage is only 13.31 Mbps, with traffic primarily concentrated during this period. While overall utilization is low, the link experiences brief, intense bursts. The recorded peak of 1682.87 Mbps is a significant data anomaly that does not reflect typical performance but highlights a potential for unpredictable, high-demand traffic events.

2. Capacity Planning Recommendations

The link is heavily over-provisioned for current sustained demand. Right-sizing should be based on the 95th percentile usage of 25.17 Mbps. A balanced provisioning strategy suggests a 38 Mbps circuit, while a future-proof plan accounting for growth recommends 43.7 Mbps. This indicates a significant opportunity for cost optimization without impacting performance.

3. Performance Risks & Bottlenecks

Despite low average usage, the link experienced congestion (exceeding 90% capacity) for 354 minutes during the analysis period. These short, intense traffic bursts create a risk of temporary service degradation for latency-sensitive applications. While the circuit is oversized, it is not immune to momentary performance bottlenecks during peak demand.

Conclusion

The link should be downgraded to a 50 Mbps plan to align capacity with actual demand, providing significant cost savings while ensuring ample headroom for peak usage and future growth.

Visual Insights