Network Performance & Capacity Report

Location: Chennai-CFA, Chennai
Vendor: ACT FIBERNET
Link Type: DBB
Provisioned Speed: 200.0 Mbps

1. Usage Pattern Analysis

The 200 Mbps link is significantly underutilized, with average usage at only 1.07 Mbps. While there was one isolated peak of 181.73 Mbps, 95% of all usage remains below 4.01 Mbps, indicating that high-traffic events are extremely rare and brief. Traffic is distributed evenly across business hours and off-hours, suggesting automated processes like backups may be a key driver.

2. Capacity Planning Recommendations

This circuit is heavily over-provisioned. Based on a 95th percentile usage of 4.01 Mbps and sustained peak demand, a much smaller circuit is sufficient.
* **Conservative:** 4.8 Mbps
* **Balanced:** 6 Mbps
* **Aggressive:** 200 Mbps
We recommend rightsizing the link to a **10 Mbps** plan. This aligns with a balanced strategy, provides ample headroom for the 3.95% monthly growth, and generates significant cost savings.

3. Performance Risks & Bottlenecks

The risk of performance degradation or congestion is negligible. The single peak usage event did not cause sustained bottlenecks, and overall utilization is consistently low. The primary business risk is financial inefficiency from maintaining an oversized circuit.

Conclusion

The link should be downgraded to a 10 Mbps plan to align with actual usage and reduce operational costs without impacting performance.

Visual Insights