



Network Performance & Capacity Report

****Location:**** Jaipur-CFA, Jaipur
****Vendor:**** AIRTEL
****Link Type:**** DBB
****Business Hours:**** 09:00–18:00
****Provisioned Speed:**** 400.0 Mbps

1. Usage Pattern Analysis

The 400 Mbps circuit is extremely underutilized. Average usage is negligible at 0.10 Mbps, with 95% of all usage falling below 0.31 Mbps. The link's highest recorded peak was a brief 55.61 Mbps, which represents a rare spike rather than sustained traffic. Usage during business hours is slightly higher but remains minimal. The overall usage trend is stable with no signs of growth, indicating consistent and predictable low demand.

2. Capacity Planning Recommendations

This link is severely over-provisioned, presenting a significant opportunity for cost optimization. Based on sustained usage (95th percentile of 0.31 Mbps), we recommend a drastic reduction in capacity.

* ****Conservative:**** 1 Mbps
* ****Balanced:**** 10 Mbps
* ****Aggressive:**** 50 Mbps

Our suggested provisioning target is a ****10 Mbps plan****, which safely accommodates all typical usage and provides ample headroom for infrequent peaks.

3. Performance Risks & Bottlenecks

There are currently zero performance risks. The link operates with 100% SLA compliance and has never experienced congestion or approached its capacity limits. Peak usage remains far below the provisioned threshold, ensuring excellent performance and reliability with no bottlenecks.

Conclusion

The link is severely over-provisioned and should be downgraded to a ****10 Mbps**** plan to align operational costs with actual network demand.

Visual Insights

