LinkEye

Network Performance & Capacity Report

Location: AVM-HSR-JEW-VENDOR, hosur
Vendor: AIRFIBER NETWORKS PVT LTD
Link Type: DBB
Business Hours: 09:00–18:00
Provisioned Speed: 100.0 Mbps

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1. Usage Pattern Analysis

The link is significantly underutilized, with average usage at only 0.6% of its 100 Mbps capacity. For 95% of the time, usage remains below 2.28 Mbps. However, the connection experiences brief, extremely intense bursts of traffic, with a peak recorded at 140.24 Mbps, well over the provisioned limit. Usage remains low during both business and off-hours.

2. Capacity Planning Recommendations

This link is severely over-provisioned. Based on sustained 95th percentile usage, a much lower capacity is sufficient. We recommend right-sizing the link to better match actual demand.
- **Conservative:** 2.7 Mbps
- **Balanced (Recommended):** 3 Mbps
- **Aggressive:** 154 Mbps
A **3 Mbps** plan is the most balanced and cost-effective option.

3. Performance Risks & Bottlenecks

The primary risk is service degradation caused by infrequent traffic bursts that exceed 100 Mbps. These moments of congestion (totaling 7 minutes in the analysis period) will cause packet loss and impact application performance. While these spikes are a concern, they do not justify the current 100 Mbps provisioning.

Conclusion

We recommend downgrading this link to a **3 Mbps** plan to eliminate significant over-provisioning and reduce operational costs, while still adequately serving typical demand.

Visual Insights

2 Hour Average Bandwidth Usage

Bandwidth Usage Distribution