

HIGH-SPEED PTP WIRELESS BACKHAUL SOLUTION

Internet Service Use Case by WilloWeb



OVERVIEW

An enterprise client developing a high-speed data product required a dedicated, high-capacity internet connection. Their office location demanded a 10 Gbps Point-to-Point (PTP) wireless backhaul solution to ensure sufficient bandwidth and low latency for their product validation.

BUSINESS CHALLENGES

The primary challenge was delivering a stable, dedicated 10 Gbps PTP link across a considerable distance. The client's office was located 11 miles away from the nearest point of presence (POP), with limited infrastructure along the route to support traditional high capacity fiber connectivity

SOLUTION IMPLEMENTED

To overcome these constraints, we engineered a dual-link PTP wireless solution:

Link 1 connected from one of our major POPs and terminated at a strategically placed midway point

Link 2 extended from this midway point directly to the client's office

By combining these two links, we created a seamless 10 Gbps transport circuit, delivering high-speed connectivity to the client's data center without compromising reliability.

RESULTS

The deployment delivered a dedicated, symmetrical 10 Gbps PTP link with consistent performance. Covering approximately 11 miles over the air, the solution achieved a latency of under 10ms, meeting the client's requirements for low-latency, high-bandwidth internet transport and enabling effective validation of their product.



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