A Nigerian Government Agency uses FatPipe with SmartDNS and Site Load Balancing to Provide Reliability and Redundancy for Critical Internet-Facing Services

A Nigerian government agency is responsible for providing legal frameworks and professional capacity for public services. The World Bank estimated this agency lost $10 billion annually from network downtime. The agency initially deployed a static service link failover solution, but this still disrupted services during a failure leading to an incalculable loss in reputational damage.

SOLUTION OVERVIEW

SITUATION
The government agency saw network downtime across their active / backup lines cause excessive financial losses. They needed redundancy and load balancing for their datacenter in the HQ.

SOLUTION
The agency installed FatPipe at its HQ location. The SmartDNS and Load Balancing features automatically distributed traffic to both bidirectional links, utilizing all paths available and ensuring business continuity in the case of an ISP failure.

BENEFITS
The agency now has uninterrupted connectivity and higher customer satisfaction. Since installing FatPipe, the Agency has seen no downtime or financial losses from network failure.

Application services were deployed in an active/backup connection setup, such that all traffic destined for the Agency's critical internet facing servers was routed to the agency's HQ via one of the two service provider links. In the event of a failure of that link, connectivity to hosted services become unreachable by customers across the country resulting in avoidable downtime.

With the aggregation and SmartDNS feature, FatPipe's WARP provided distributed availability for critical internet-facing server infrastructure at the HQ. WARP has the capability to distribute traffic between multiple sites as well as multiple data centers including a DRC location, utilizing all lines available at any designated site(s). By using FatPipe's Load Balancing and SmartDNS, the agency now has complete redundancy across all service provider links.

"With the FatPipe solution, the agency now automatically and seamlessly manages the two Internet Service Providers", said the head of the agency. "In addition to effective DNS management. This has resulted in overall efficient management of the Agency's critical applications services and improvement in our engagement with external stakeholders."

The deployment of the FatPipe solution enables the Agency to eliminate expensive and inconvenient downtime by introducing automatic failover and also saves bandwidth costs by fully utilizing all of the subscribed bandwidth on their multiple service provider links with the guarantee that the Agency's services will remain up at all times. This allows them to achieve a reliable service and ensure government entities across all 36 states have constant access to critical applications hosted at the Agency.