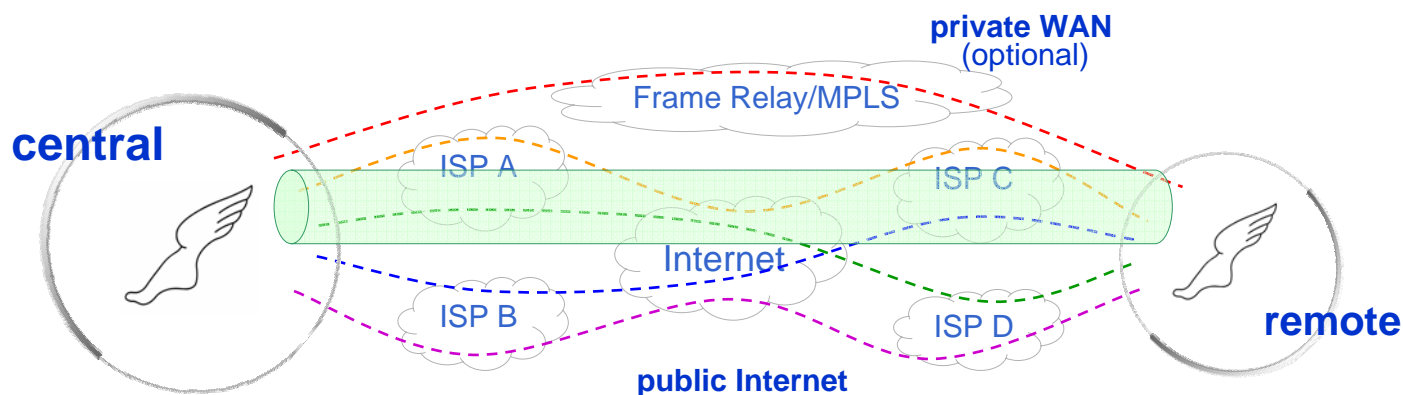


Disruptive technology to enable *highly reliable, high-bandwidth, low-cost* Enterprise WANs



Next-Generation WANs Without Compromise

Talari Networks Adaptive Private Networking (APN™) technology combines diverse, abundant, affordable IP bandwidth sources, applying a RAID-like approach to WAN connections to solve the reliability and predictability issues associated with shared-IP networks. The result? Next-generation Enterprise WANs without compromise:

- Significantly higher bandwidth
- Business quality, self healing
- Radically lower cost

The WAN Service Price-Quality Disconnect

The Enterprise WAN service market has been static for years. The introduction of Frame Relay in the early 1990s brought lower cost, higher bandwidth, solid reliability and easier manageability to building Enterprise WANs over the then-prevalent X.25 and point-to-point leased-line alternatives. Frame Relay, together with similarly priced, single-source ATM and MPLS services, still dominates the Enterprise WAN market for corporate Intranet traffic. What these services all have in common is that a customer buys reliable (“3½ nines”, i.e., 99.95%, or better) service and bandwidth end-to-end from a single carrier, at a price (on a cost-per-Mbps basis) almost as high as what they paid back in 1998!

The cost of operating carrier networks, however, has fallen along with Moore’s Law, as have the prices of alternate-Internet and broadband-based WAN solutions. Where Frame Relay, ATM or MPLS bandwidth for branch connectivity costs anywhere from \$800 to \$2000 per Mbps per month, broadband connectivity is widely available at a monthly cost of only \$10 to \$15 per Mbps. At the same time, the bandwidth of these broadband and Internet networks has improved, as has their reliability, even if they are not yet “business quality.”

The Talari Networks Solution

That’s where Talari Networks comes in. By solving the reliability and predictability issues associated with shared-IP networks, in general, and the public Internet in particular, our Adaptive Private Networking technology enables Enterprises to gain a step-function improvement in their WAN operations.

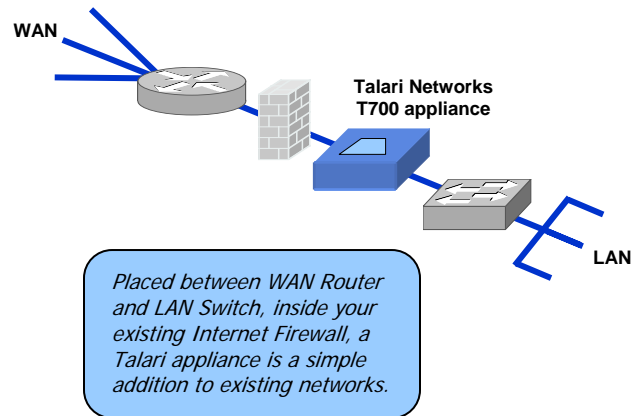
In the same way that RAID (Redundant Array of Inexpensive Disks) revolutionized high-end data storage, APN is revolutionizing corporate WANs. Talari applies to WAN data connections a unique combination of RAID-like methods and overlay networking techniques, like those used by services such as Skype or Vonage in delivering voice over the public Internet. By leveraging network bandwidth from multiple sources – including both high-speed Internet connections at central locations and broadband connections (DSL, cable where available) at branch locations – APN allows businesses for the first time to take advantage of the economics of broadband and the public Internet without sacrificing business-quality reliability and availability.

No one today builds monolithic, proprietary, single-disk storage solutions; they use RAID technology to get greater capacity and performance, lower cost, **and** higher reliability. With Talari Networks Adaptive Private Networking, Enterprise managers can take the same approach to building corporate WANs. No longer must businesses purchase overpriced, “over-engineered” network services from a single telecom provider. APN delivers more bandwidth, lower monthly WAN costs and greater network reliability than the best single Frame Relay, ATM or MPLS network can provide.



Adaptive Private Networking enables ...

- 30 – 100x bits/\$ for all applications
- Up to 80% savings on monthly WAN expense
- More high-bandwidth applications
- Reliability for next-generation applications
 - IP telephony, video conferencing
 - Web services and user interfaces
- Reduced troubleshooting
- High **application** availability
- Predictable, consistent, **protected** application performance
- Server centralization, consolidation
- Network convergence
- Service-provider independence
 - Carrier risk eliminated
 - Fast service deployment, anywhere
 - Leverage over a huge budget item



Resilient Bandwidth Spectrometry™ ... Delivering APN

Spectrometry

Measurement

- Advanced, continuous, intelligent monitoring at the packet, link, and path level
- Dynamic, end-to-end algorithms track loss, latency, and jitter per network connection
- Per-packet encapsulation, timestamping, and sequencing
- Monitoring and flow reordering at receiver

Enabled by state-of-the-art hardware and software

- Advanced multi-processor SOC system architecture

Resilient Bandwidth

End-to-End Reliability

- Stateful traffic steering via Talari-proprietary path-selection algorithms – best path for each traffic type
- Dynamic path learning – considers all available paths for traffic flow
- Real-time adaptive path selection – intelligent RAID-like technology
- Plus traditional buffering, retransmission, reordering, duplicate suppression, encryption, etc.

Protected Application Performance

- VoIP-like overlay for application protection
- Latency control, selective redundant transmission and retransmission for zero packet loss

Talari Networks T700 Internet Communications Controller

Ethernet Ports	3 (LAN, WAN, MGT) Auto-sensing 10/100 Fail-to-wire
Management	Serial console port MGT Ethernet port In-band
Power	100/240 volts 50-60 Hz 250 Watts
Physical Dimensions	EIA RS-310 standards 1U 426mm (W) x 419.1mm (D) x 43.5mm (H) (16.8" x 16.5" x 1.72")
Mounting	Rack mount recessed flanges
System LEDs	Power HDD Activity
Link LEDs	Link Activity Link Speed
LCD	2x16
Certifications	FCC Class A CE



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