

BROCADE IP TECHNOLOGY LEADERSHIP



SERVICE PROVIDER

Brocade Solutions for the Regional Service Provider

HIGHLIGHTS

- Brocade offers comprehensive solutions to regional service providers to lower networks costs through consolidation, investment protection, and simplification of operations while generating new revenue streams through value-added services that can scale rapidly.
- Key capabilities include an industry-standard interface, support for robust routing protocols, QoS, MPLS VPNs, advanced Layer 2 protocols, a broad range of OAM protocols, advanced security, and simplified management.
- Brocade also offers next-generation wireless backhaul solutions in networks that are seeing exponential growths in mobile internet traffic

The way individuals and organizations communicate and conduct business has changed dramatically in the past decade. Services such as high-definition video streaming, cloud services, and anytime/anywhere connectivity not only consume an enormous amount of network capacity, but also create a greater degree of complexity for network operations. In this always-on business environment, the Brocade® portfolio of high-performance, scalable, carrier-class solutions give service providers the confidence to innovate on-demand. Figure 1 illustrates the versatility of Brocade service provider offerings across the entire network.

Brocade products are proven in thousands of IP/MPLS deployments around the globe and in some of the largest and most demanding service provider networks. No matter what new technology comes down the pike, Brocade's open standards approach means flexible solutions that maximize Return on Investment (ROI).

BENEFITS OF A BROCADE SOLUTION

The benefits of a Brocade solution for a regional service provider are listed below:

- Ability to offer business-class broadband Internet access and Virtual Private Network (VPN) services
- Ability to offer flexible Layer 2 or Layer 3 solutions using a common network
- Advanced network resiliency features enabling non-stop operations
- Future-proof investment that enables seamless capacity expansion
- Common software running on all Brocade devices to simplify operations
- Compelling economics driven by lowest Total Cost of Ownership (TCO) and maximum investment protection

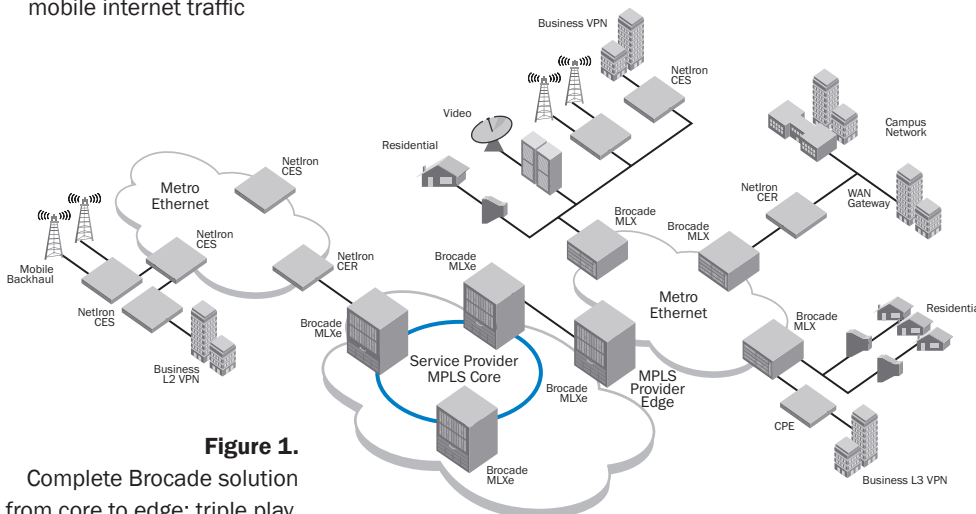


Figure 1.

Complete Brocade solution from core to edge: triple play, VPN, and wireless backhaul.

BROCADE

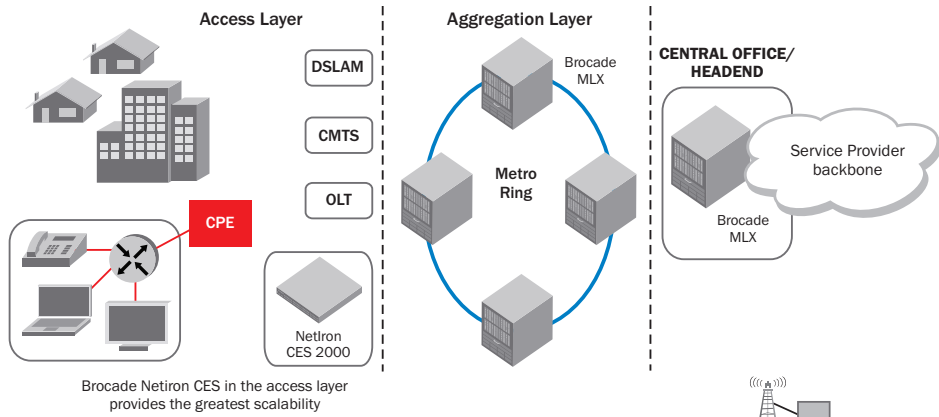


Figure 2. Brocade routers and switches fit in any access layer solution to provide business and residential services.

BROCADE FITS ANY ACCESS SOLUTION

In order to meet customer expectations and compete with national providers, regional service providers must increase their network capacity and expand the range of their service offerings. Delivering new services, such as IPTV and business VPNs, means reliably and cost effectively extending intelligence and high-touch processing capabilities to the network edge.

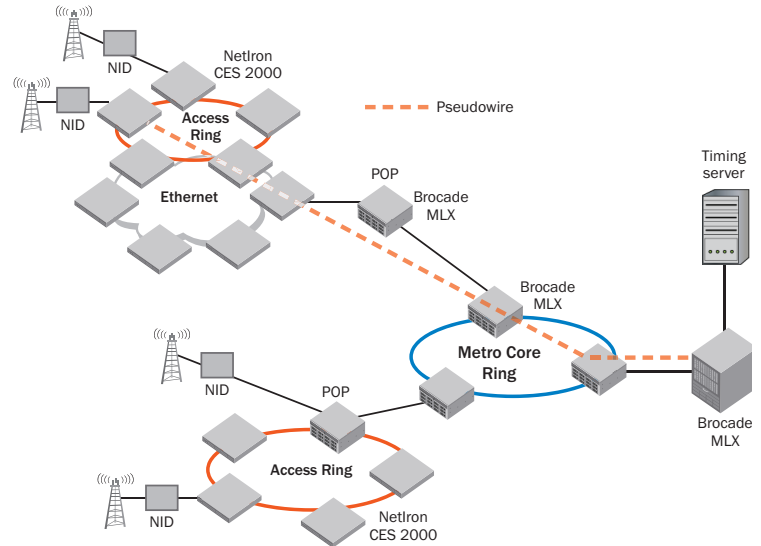
Brocade offers a solution that fits any access environment, whether it is a passive optical network, active optical network, DSL, or Multiple System Operator (MSO) network helping to deliver the most advanced and reliable services to the end customer. The Brocade Netron CES in the access layer of an active optical Ethernet network provides higher bandwidth, longer reach, lower operational expense than other access solutions—along with a future-ready infrastructure.

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Figure 3. The Brocade mobile backhaul solution.



MOBILE BACKHAUL

Skyrocketing demand for mobile Internet is straining current network infrastructure and breaking existing business models. This is a critical point in time when providers must deploy the right solution to meet their customer’s demands today, or they will most certainly fall behind the competition and below desirable profit margins. Brocade offers a broad range of high-performance routing and switching products for next-

generation wireless backhaul and core networks to enable regional service providers to compete in this service area. Brocade products are offered in multiple form factors to suit the needs of most network infrastructures. Figure 3 depicts Brocade products in a mobile backhaul solution.

For more about Brocade IP products, visit www.brocade.com.

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