

Verizon Private IP Service Differentiators



VERIZON GLOBAL WHOLESALE

Verizon Private IP Overview:

Verizon's Private IP (PIP) solution is a private network-based VPN service based on MPLS (Multi-Protocol Label Switching) technology (RFC 4364, formerly 2547). It allows sites to share information across a completely Private Internet Protocol (PIP) backbone in a secured environment. Verizon's PIP service provides highly scalable any-to-any, hub-&-spoke, and/or regional connectivity for voice, video, and data network convergence. Verizon's Private IP service streamlines a customer's network costs and simplifies the overall network topology, while at the same time providing Layer 2 security and stability and Layer 3 flexibility and scalability.

Verizon Private IP Key Service Differentiators:

- Verizon has extensive MPLS experience and capabilities
 - Private IP has been available since 2000 and Verizon has been there since the beginning
- Verizon's network has a global footprint spanning 6 continents and including participation on more than 80 submarine cables
 - Verizon's PIP network touches more than 130 countries with a commitment to looking for ways to extend the network to meet current and future needs of our customers
 - Verizon partners with numerous access partners to reach remote locations
- Verizon's product relies on a dedicated private MPLS core on a completely autonomous network
 - Verizon's PIP product has the highest levels of network quality and reliability due to this private, resilient network

- The Verizon PIP network is a standards-based, Cisco Powered Network (CPN)
 - The Cisco-designated CPN is compliant with Internet Engineering Task Force RFC 4364 standards, giving customers the benefits of a simplified end-to-end network that streamlines network management
- Unlike most of Verizon's competitors, Verizon's PIP network provides end-to-end Quality of Service (QoS), including Verizon's core network
 - QoS is enforced per hop, end-to-end, not just "edge" QoS
 - Verizon supports 6 classes of service (EF, AF4x, AF3x, AF2x, AF1x, Default/Best Effort)
- We offer a full suite of Layer 2 encapsulations and access methods
 - Verizon supports PPP, ML-PPP, HDLC, Ethernet, POS, Frame Relay, and ATM
- Verizon has strong, industry-leading Service Level Metrics (SLMs)
 - Verizon's SLMs are measured per Provider Edge (PE) site pair, i.e., we do not use network averages; that is how confident we are that our service is second to none
- Verizon has a strong emphasis on business continuance with global strategic plans aimed at maintaining network integrity, including proactive measures to assure dependable service for all customers
- Verizon offers state-of-the-art reporting and monitoring tools and portals, also offering the ability to dynamically manage and scale the virtual private network to meet the most demanding end-user needs

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