IP-VPN for companies

telenet
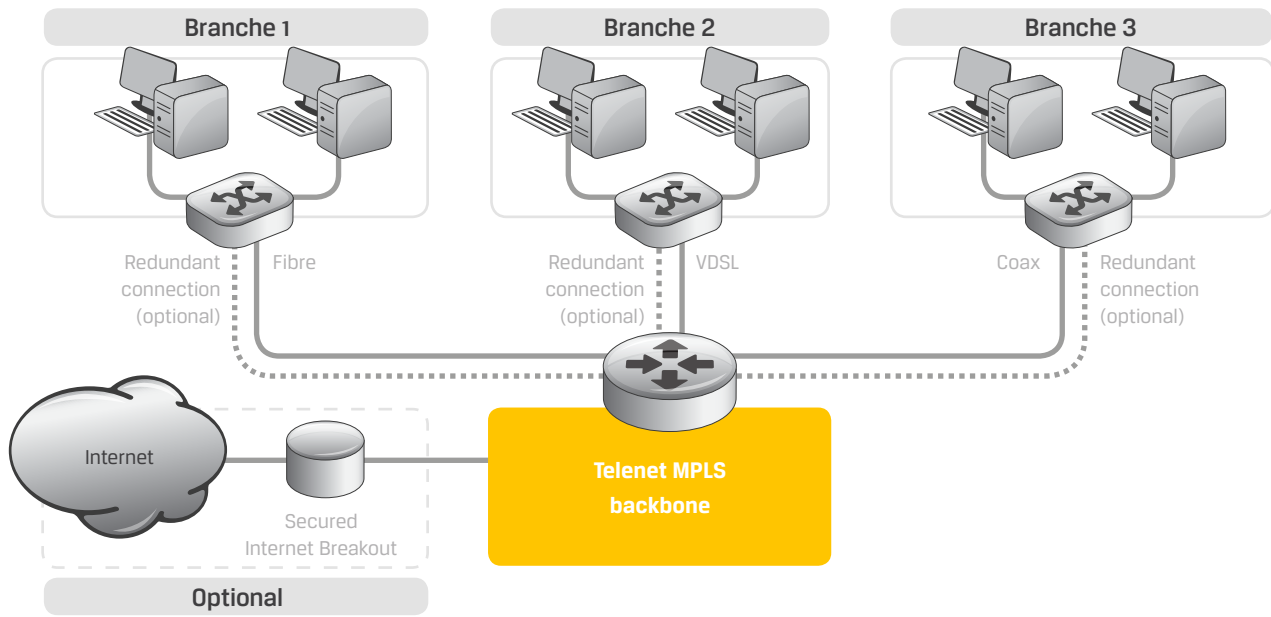
Secure IP connections for all your branches

With IP-VPN you accommodate all your company branches in a single Virtual Private Network (VPN). By choosing Telenet IP-VPN, you have three wins: cost-effective, operational security and flexibility.

Advantages

Operationally secure technology	› We use only our own IP-VPN infrastructure › Fully managed and constantly monitored
Cost-effective and flexible	› Worthwhile if you have at least 3 branches (but scalable to hundreds) › Suitable for both light and heavy applications (128 kbps up to 1Gbps)
Simplify your communication	› Makes communication between your various sites simpler and cheaper › Also suitable for SMEs with only a few branches
The alternative for leased lines	› You no longer need leased lines › All your branches are interconnected via the Internet Protocol (IP)
Coax, fiber-optics and VDSL	› Telenet is the only provider in the Belgian market that can connect all your locations via coax, fiber-optics and VDSL to a single IP-VPN

Options

Secured Internet Breakout	› Total solution for an utmost secure Internet access › Without the need for hardware and know-how › Managed by our certified security experts

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IP-VPN

Branche 1 — Redundant connection (optional) — Fibre
Branche 2 — Redundant connection (optional) — VDSL
Branche 3 — Coax — Redundant connection (optional)

Internet — Secured Internet Breakout — Optional

Telenet MPLS backbone

Specifications

IP-VPN backbone

Network standard	MPLS-based L3 VPN implemented on the Telenet IP backbone network according to RFC 2547-bis (BGP/MPLS VPN)
Supported protocols	IP only
Connection to LAN	Via a router (whether managed or not by Telenet)
Routing protocols	Telenet participates in the routing via PE-CE protocol inter-working
	› Redundancy required CE-PE routing protocols (RIP of BGP)
	› IP multicast is not supported
QoS	L3 QoS (DiffServe model)
	Three CoS levels (Real Time, Business Critical, Best Effort)
Data integrity	Based on MPLS labels

IP-VPN access

Via fiber-optics	Available bandwidths:
	› 2 Mbps/4 Mbps/6 Mbps/8 Mbps
	› 10 Mbps tot 100 Mbps (per 10 Mbps)
	› 100 Mbps tot 1 Gbps (per 100 Mbps)
Via coax	Available bandwidths:
	› Up to 120 Mbps downstream
	› Up to 10 Mbps upstream
Via VDSL	Available bandwidths:
	› Up to 30 Mbps downstream
	› Up to 6 Mbps upstream
Via Leased Line	Available bandwidths:
	› 64 kbps to 2 Mbps

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