SitePathMTPX

SITE-TO-SITE APPLICATION ACCELERATION

Internet access is the commonly preferred communication vector employed by organizations for its affordability and availability. Public ISP links are expected to suffer failure on a regular basis, and contingency planning is key to continual and normal operations. When point to point applications are operating on these links and suffer either significant congestion or downtime, key applications such as ERP and CRM systems, voice, VPN, email clients or internal web services are unavailable for the entire duration of the issue. In some cases, the impact can be mild when the issue is resolved promptly, but the longer the outage, the heavier the financial losses will be. The reason for such issues is that a single ISP link is utilized to serve the bandwidth for point to point applications, and in this context the potential points of failure are summed because they have to be accounted for at each end point. So when an ISP link fails at one end, both ends stop communicating, and should one endpoint suffer from saturation, the other end suffers the same result. In the context of many to one environments, where multiple sites connect to a central site, the risk is even greater as the satellite sites become dependant on the connectivity of the central site.

ELFIQ NETWORKS SITEPATHMTPX

SitePathMTPX is an innovative approach to resolving both performance and downtime issues experienced by organizations relying on point-to-point applications. At its core, Martello's Elfiq Networks' Layer-2 implementation allows seamless, transparent installation within a customer environment without reconfiguring existing network devices residing on the carrier side of the network (WAN), namely firewalls, VPN gateways and routers.

Once both sites have the Elfiq unit in place, without any modifications the VPN tunnel between the firewalls can resume as it was before through each site's primary link.

Each connection between each ISP connected to each Elfiq Link Balancer is called a SitePath, and a SitePath Group is the sum of SitePaths connected to another site. Elfiq Link Balancers can be used to their full potential to strengthen the VPN tunnel by exchanging SitePath information about real-time traffic handled through each router at both ends. Once this exchange is configured and set into action, multiple routers can be used to transmit data from one end to another, providing performance enhancement and added resilience.
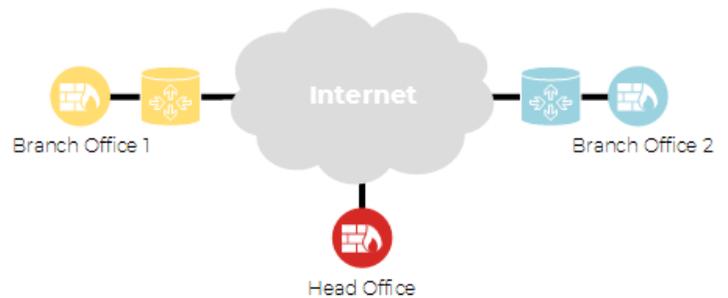
DID YOU KNOW?

Martello's Elfiq Networks' SitePathMTPX technology seamlessly readjusts traffic to provide the best overall performance for your organization's site-to-site applications. Any latency sensitive traffic such as VoIP, SIP trunks, video and VPN persistence will be greatly enhanced.

Branch Office 1 — Internet — Branch Office 2 — Head Office

Unlike other technologies, this is transparent for any type of point-to-point traffic, where no VPN tunnel is created between each router, thus simplifying network design and consuming less resources. SitePathMTPX tunnels can further be encrypted in AES128, should the point-to-point application require a higher level of security. On any Elfiq Link Balancer, SitePathMTPX enables at least two SitePath Groups to connect to multiple sites. Should more sites (e.g.: disaster recovery sites) be interconnected in a centralized environment, SitePathMTPX can be used to "mesh" point to point applications in mission-critical environments.

BENEFITS OF USING SITEPATHMTPX

1. Identifies the fastest available link to improve overall application performance
2. Readjusts the traffic in case of an ISP outage to improve network resilience with persistence
3. Enables bandwidth virtualization by aggregating multiple paths into one virtual path for increased throughput

Point to point applications such as VPNs and VoIP have become critical to normal business operations. To alleviate the two core issues of downtime and saturation in such deployments, as well as the associated loss of revenue and productivity, Martello's Elfiq Networks' SitePathMTPX provides a creative, robust and non-intrusive answer that brings performance and resilience to any organization in a very cost-effective manner.
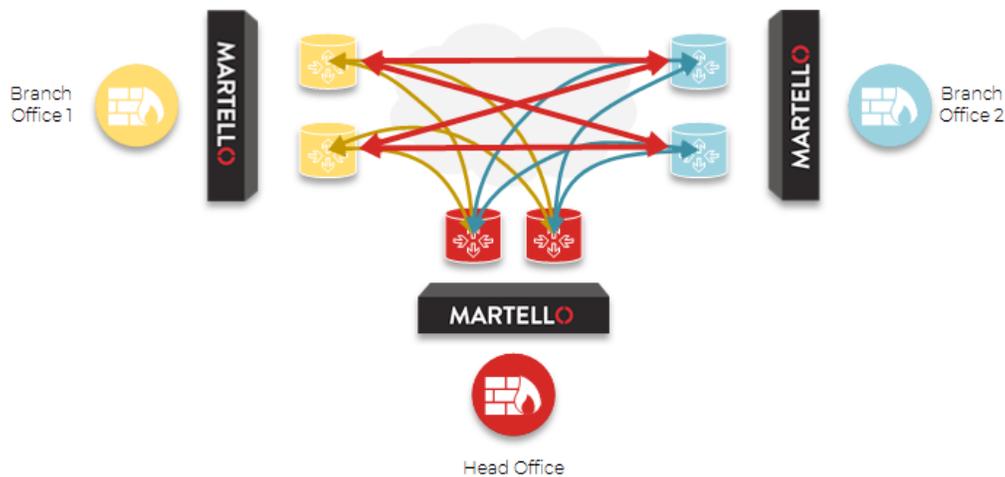
About Martello

MARTELLO | *Elfiq Networks* is a subsidiary of Martello Technologies

martellotech.com
elfiq.com

info@martellotech.com
+1 (613) 271-5989