



Smart IP-VPN

Connect your global offices with a flexible and secure private network solution

Smart IP-VPN is a Virtual Private Network (VPN) service based on MPLS technology and is designed to cater for businesses requiring a secure and dedicated network to connect their global offices.

Smart global connectivity with Smart IP-VPN

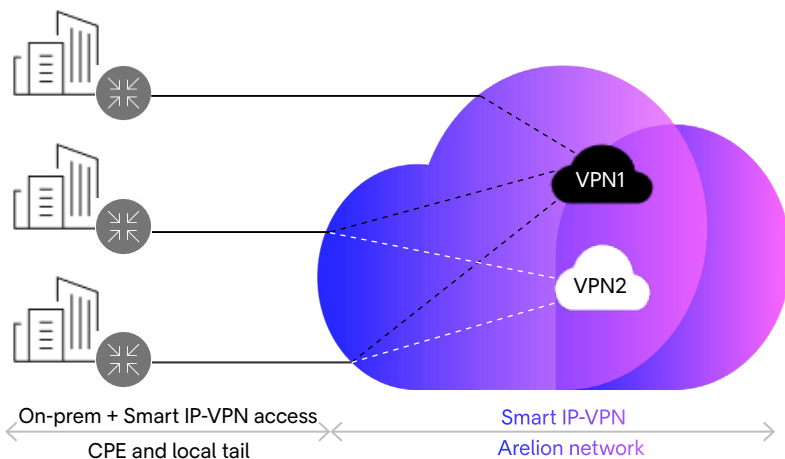
Smart IP-VPN is a user-friendly VPN solution with a wealth of service options - especially tailored for enterprises looking to meet global business challenges.

Smart IP-VPN not only provides a dedicated intranet, but also direct access to Arelion's high-quality IP services. With an MPLS network connection, customers benefit from more bandwidth flexibility than they would with a direct connection between sites. Flexible capacity options allow for easy bandwidth scalability, e.g.

to expand capacity for enhanced cloud functionality and new applications.

Additionally, with IP-VPN, customers can prioritize specific traffic types - enhancing performance and traffic management capabilities. Smart IP-VPN is just one of several services included in Arelion's on-prem concept (IP, DIA & Smart IP-VPN).

The diagram below illustrates a typical implementation of the service, where access to two separate networks is enabled across an existing Arelion on-premises solution.



Benefits in brief

All-in-one

The main advantage of Smart IP-VPN is the provision of a dedicated intranet which ensures fully secure and private communication within the network. Furthermore, it enables full access to Arelion's IP service suite, expanding the connectivity options and flexibility for all users.

Guaranteed quality

As with all VPN services, Quality of Service (QoS) is baked into our network, ensuring that VPN traffic is prioritized over Internet traffic. It also provides the flexibility to prioritize business-critical traffic according to specific customer needs (voice, video, etc.).

Fully meshed or hub-and-spoke

Customers can opt for either fully meshed or hub-and-spoke topologies for each individual VPN. A fully meshed network topology is the default option.

Multiple VPNs

Since the VPN service operates within a single VPN, multiple VPNs can be established by adding additional VPN services, each with its own individual configuration.

Did you know?

We support the world's largest network operators, cloud and content providers, as well as enterprises that rely on business-critical connectivity.



Smart IP-VPN

Technical highlights

Routing protocols

To maintain a consistent routing topology within a customer VPN, routing information needs to be distributed throughout the whole network. BGP is the default option from the CPE to Arelion's network. Static routing can also be supported as an option.

Features	Smart IP-VPN services
Network coverage	Global coverage with > 350 PoPs
Service bandwidths	1 Mb/s - 10 Gb/s
CoS	5 classes of service for application prioritization, including 1 real-time class and 4 business classes
PA IP addresses	IPv4 & IPv6
SLA	Several different SLA options for site availability (on-prem). Network Performance SLA includes RTD/latency and packet loss
End-to-end CoS	Optionally, measurements can be performed end-to-end
Customer support	24x7x365
Billing model	Flat rate
Reports and information	Secured customer portal

CPE - Customer Premises Equipment
 BGP - Border Gateway Protocol

Use cases

Global private connection

Using Smart IP-VPN to connect multiple offices to one or many private networks (Virtual Private Network).

Dedicated connection

Deploying a central component to create and define private network segments, and on-prem to connect local offices to a central location.

A better end-user experience

Arelion's connectivity platform supports multiple services to the same location, for your own tailor-made intranet/Internet solutions. For example, VPN and Internet can share the same CPE and local tail.