Arelion

IP Transit

Lightning-fast Internet transit on the world's #1 Internet backbone

Tier-1 Internet connectivity for organizations with an Autonomous System (AS) number

AI-ready Internet connection
Arelion's global Autonomous System, AS1299, is a carrier-class network designed to meet high-reliability and bandwidth-intense capacity (interfaces from 1GE to 400GE) needs. We offer the largest number of direct connections to key Internet routes with interconnections to our tier-1 Internet partners worldwide.

Our customers include the world's leading Internet service providers, hyperscalers, cloud providers, mobile and fixed operators, and large enterprises with their own Autonomous System (AS) numbers. Arelion's mission is to connect eyeball networks and content providers by offering a complete global routing table with minimal hops - providing the direct connections that modern cloud and AI applications require.

For best Internet connectivity
For over 30 years, we have organically grown our backbone and customer base across our own fiber network, ensuring abundant capacity and avoiding network congestion. Additionally, we are industry pioneers with decades of experience, having consistently delivered award-winning customer support.

Carrier-grade IP Transit
As a tier-1 provider with our own network, we are not dependent on third party upstream traffic. Arelion implements best practices and enhanced security measures for routing and exchanging traffic with other public networks. Our BGP expertise and formidable backbone capacity ensure cost-effective connectivity in the volatile Internet traffic environment. On top of that, our Service Level Agreement (SLA) combines the well-defined attributes of carrier-grade services with the flexibility of Internet connectivity.

We leverage our extensive, high-capacity tier-1 network to provide guaranteed bandwidth with Multiple Services over One Port (MSOP) flexibility. This approach offers greater cost efficiency and design benefits for large enterprises, allowing the combination of multiple products such as Ethernet, IP, and Cloud Connect on the same 1GE, 10GE, or 100GE interfaces. By utilizing existing infrastructure, significant cross-connect savings can be made.

Benefits in brief

70% of global routes are directly connected, ensuring minimal hops to destination

95% of North American and European end-users are connected within one hop

9 out of 10 top global IP backbones use our capacity services

Did you know?

In 2020, we announced the industry's first full-scale, 400GE-ready network, using advanced cloud-scale routing technology. We operate a global fiber backbone – spanning 75,000 km and connecting more than 350+ Points of Presence (PoPs) in over 125 cities throughout Europe, North America, and Asia.

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Technical highlights

IP Transit customers must operate and administer their own Autonomous System and be capable of enabling BGP4 routing updates at network exit points/ boundaries.

Bandwidth options: 1Gbps, 10Gbps, 100Gbps, 400Gbps

Our standard offer includes a carrier grade SLA defining:

- Installation
- Availability
- Round-trip delay
- Packet loss

- A secure customer portal
- Usage reporting
- Order management

We offer three route options:

- Global Connect (global routes)
- Euro Connect (European customers and peers)
- Content Connect (global customer routes)

All connectivity options are available in the IPv4 and IPv6 domains.

Network Operations and Infrastructure
From the fiber up, our highly skilled engineers manage our network infrastructure 24/7 and, our fully owned fiber and network assets allow us to operate a fully scalable, reliable, and diverse network environment with an award-winning customer experience

Use cases

Scalable operation
IP Transit provides economies of scale for organizations with content delivery at the core of their business model – with operations dependent on the availability of bandwidth, direct connections, and a high-performance network.

Emerging high-tech industries
Organizations with their own Autonomous System use IP Transit services to improve their end-user services with low latency, greater speed, and superior performance worldwide.

Investing in the future of BGP and IP routing

BGP Communities
Arelion's position as the world's #1 Internet backbone carries with it the responsibility of securing a stable routing environment, not only for the networks that directly connect with AS1299, but the Internet as a whole. Our BGP communities can be used by customers and peers alike, to manage upstream connections and optimize traffic towards different network destinations.

RPKI & MANRS
Arelion takes the responsibility of securing Internet routing very seriously. Through a mix of industry best practice, cutting-edge systems and well-crafted policies, we minimize the risk of common routing threats, including BGP hijacks and route leaks.