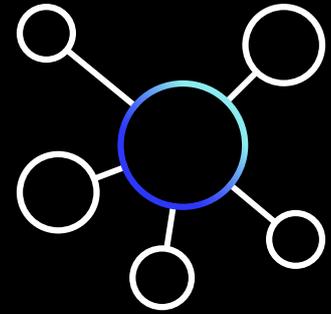


# SD-WAN



## Networking needs radical evolution

For networking team leaders, it's an exciting time to rethink the WAN strategy. The networking vendor industry has opened up to a new wave of innovation, developing powerful tools using the principles of cloud and software-defined networking technologies, and combining them with network automation and Artificial Intelligence (AI). In essence, we package all of these functionalities and more into our advanced SD-WAN service.

### The need for more control

Until recently, enterprises felt like they could wrap their hands around their network with a well-defined network perimeter, ending at the data center. However, productivity needs are leading to the increasing usage of applications and cloud platforms that sit outside the traditional network perimeter.

### The need for extended network visibility

With more business applications outside the on-premises network perimeter, old networking monitoring tools, techniques, and processes have created many blind-spots.

### The need for more network protection

The provision of sufficient network protection that covers the workforce, workplace, and workloads is becoming increasingly complicated. The risk of security breaches increases as the control environment becomes weaker with a growing number of SaaS and cloud applications, and unpredictable traffic patterns.

### The need for faster provisioning

Making changes to the WAN, for example - deploying, modifying, or disconnecting network services, is slower in comparison to cloud provisioning experiences. Users notice this and become frustrated that their networks cannot adapt at the same pace.

### The need for digital transformation

SD-WAN enables enterprises to reshape their networking model by enhancing critical functions. Our clean-slate approach provides a modular and configurable service to support a stepwise transformation. With dynamic connectivity intelligence, networking costs are more controllable, allowing for a balanced dependency between MPLS links and Internet transport.

## Benefits in brief

**A resilient overlay, a stable underlay and everything in between**

### WAN overlay platform

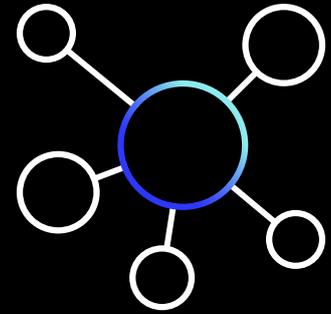
- Branch security with firewall and IPS
- Voice optimization
- Multi-domain end2end policy and segmentation
- Analytics for performance and troubleshooting
- Application optimization
- Malware protection and URL filtering
- Rich services – Integrated voice and WAN optimization
- Application-based SLA

### Underlay platform

**65%**

- World's best-connected Internet backbone (65% of Internet routes directly connected)
- Tier-1 dedicated Internet access
- Carrier-grade transport
- Bandwidth-on-demand
- 400GE cloud-scale Internet backbone
- Cloud on-ramps
- 320+ PoPs
- On-site service gateway

# SD-WAN



## #1 ACHIEVE RESILIENT CLOUDIFICATION OF YOUR NETWORK OVERLAY

### Centralized and unified control of the extended WAN

SD-WAN provides a cloud-based centralized controller that will cover the entire WAN and extended perimeter in the Internet and cloud to harmonize user experience.

### Intelligent cloud and Internet application visibility

SD-WAN provides application-oriented intelligence in greater detail with more in-depth and broader visibility of the connectivity performance to SaaS applications and cloud platforms.

### Customizable network security controls

SD-WAN allows you to enforce policy-based controls in a centralized way using the principles of “zero-trust” security. Users’ identities are verified, establishing device trust before granting access to applications and workloads.

### Faster Delivery

Arelion will provision the SD-WAN service remotely and will authenticate and configure routers with near zero-touch deployment to make the service as convenient as possible.

## #2 BUILD A STABLE UNDERLAY ON THE NUMBER ONE INTERNET BACKBONE

### Enrich the enterprise backbone

At the foundation of a digital transformation journey is the power to scale. Enterprises need a unified Internet underlay that provides ample bandwidth, broad service reach, and better management of Quality of Service (QoS) management.

### Cloud-scale Internet architecture

Arelion operates the world’s best-connected Internet backbone that directly connects 65% of global Internet routes. It is the industry’s first full-scale, 400GE-ready network, using advanced cloud-scale routing technology. Enterprises can attach an underlay that will more effectively route network traffic with better pathways and minimal hops to business-critical applications.

## #3 FREEDOM SIMPLICITY TO DO MORE

### Simple and elegant solution

Arelion is bringing to global Enterprises a more accessible way to modernize networking. What could otherwise be solved with expensive and time-consuming alternatives, our SD-WAN service enables Enterprises to manage and adapt network connectivity efficiently and consistently.

### Graceful transformation

We provide a staged migration that lets SD-WAN coexist with existing network infrastructure and gradually merge to the new architecture during the migration journey.

### Close to the technology

We keep our customers close to the technology of SD-WAN. We prevent unnecessary layering in between the network and the essential SD-WAN functions. Our customers define their levels of control.

## Technical highlights

- Granular application visibility with a dashboard user interface
- Application traffic prioritization
- Centralized management of WAN edge routers
- Dynamically choose the optimal connectivity paths
- Cloud application performance management
- Customizable security
- Single sign-on to overlay platform via customer portal (MyCarrier)