Secure SD-WAN
Accelerating Digital Transformation with Direct-to-Cloud Connectivity and Security

Challenge

▸ Digital transformation and the adoption of cloud apps often break traditional centralized networks and security in distributed environments.

▸ Slower, backhauled network technologies such as MPLS can't keep up with modern cloud app traffic.

▸ Connecting sites to the internet with SD-WAN still requires network, user, and data security for each site.

▸ Patching together products from multiple vendors increases operational costs and risks.

Solution

▸ Forcepoint's cloud and network security solutions work together to keep sites, users, and data safe.

▸ **Forcepoint NGFW with SD-WAN** integrates direct-to-cloud connectivity with strong network security at enterprise scale.

▸ **Forcepoint Web Security** protects users anywhere against advanced threats and risky apps on the web.

▸ **Forcepoint CASB** secures cloud apps and data against misuse or attack.

Outcomes

▸ **Greater productivity:** Faster cloud and internal apps with less downtime.

▸ **Lower costs:** Fewer boxes to deploy and manage, more efficient broadband usage, and simpler operations.

▸ **Reduced risk:** Stronger security without gaps or redundancies, both on-premises and in the cloud.

▸ **Streamlined compliance:** Unified control and greater visibility for faster incident response.

Digital transformation initiatives often begin by replacing internally hosted applications with cloud-based software-as-a-service (SaaS) that can be used from anywhere. However, many traditional "backhauled" networks (especially ones built on MPLS) often can't keep up. Sending high volumes of traffic from remote locations through central offices can limit the productivity of users at those sites and overwhelm older networking and security infrastructure. Upgrading those networks can be prohibitively expensive or require disparate technologies that add complexity and limit visibility. Fortunately, there is a better way.

Transforming networks with SD-WAN

Software-defined wide area networking (SD-WAN) has become a game changer for many organizations. Using faster, lower-cost local internet connections at remote locations, SD-WAN can:

▸ **Reduce network costs.** Expensive MPLS lines can be augmented or replaced with commodity internet links like DSL, cable, or fiber, along with virtual private network (VPN) software.

▸ **Improve productivity.** Direct-to-cloud connectivity makes it much easier to give users at remote sites the performance they need to get the most out of new cloud-based applications.

▸ **Reduce operations costs.** Centrally managed SD-WAN solutions offer network operations teams greater visibility and control without having to go on-site or maintain a patchwork of different consoles.

Transforming security on top of SD-WAN

Most SD-WAN solutions include encryption for protecting the privacy of data. However, that's only half the picture. Going direct-to-cloud from remote locations requires that security for networks, users, and data that was previously provided via centralized on-premises gateways be enforced at each site or in the cloud instead:

▸ **Network security.** Access control and intrusion prevention, usually in the form of next generation firewalls (NGFW), keep attackers out.

▸ **Web security.** Real-time protection against advanced threats that lurk in web pages or content downloaded from the web is critical; it is most commonly delivered as a service with hybrid enforcement where needed.

▸ **Cloud app data security.** Apps being used in the cloud, and the data stored there, must be monitored to prevent abuse.

New "Secure SD-WAN" solutions bring all these pieces together so that organizations can more seamlessly connect and protect their networks, users, and data to accelerate their digital transformation.

> Branch-office firewalls need to…
> offer the same levels of security efficacy as the primary gateway does.
>
> —2017 Gartner Magic Quadrant for Enterprise Network Firewalls

Forcepoint Secure SD-WAN brings connectivity and security together at enterprise scale

Forcepoint is depended upon by distributed enterprises and government agencies around the world to connect and protect their highly distributed offices, stores, and branches. We pioneered the centralized management of multiple network connections (internet links as well as MPLS lines) combined with strong security.

We were also the first in the industry to identify and defend against advanced evasion techniques that attackers use to sneak malicious code such as ransomware through most network defenses. As a result, Forcepoint NGFW received the top security rating in NSS Labs' 2018 NGFW, NGIPS, and SD-WAN tests.

But that's just the beginning. Our security solutions also safeguard what people do most when they're on the internet: use web content and manipulate data in cloud applications. Forcepoint Web Security provides strong protection against advanced threats, going beyond simple URL blocking to dynamically scan webpages and content to find and stop hidden malware and zero-day attacks. Deployed in the cloud or as an on-premises hybrid IT appliance, it also identifies possible dangers associated with more than 6,000 web apps, providing an immediate way to prioritize "shadow IT" risks. Then, to protect data as it moves into cloud applications, Forcepoint CASB automatically monitors critical apps to watch for signs of fraudulent use and enforce enterprise data policies stored in those apps.

Connecting and protecting at enterprise scale: that's what makes Forcepoint Secure SD-WAN different.
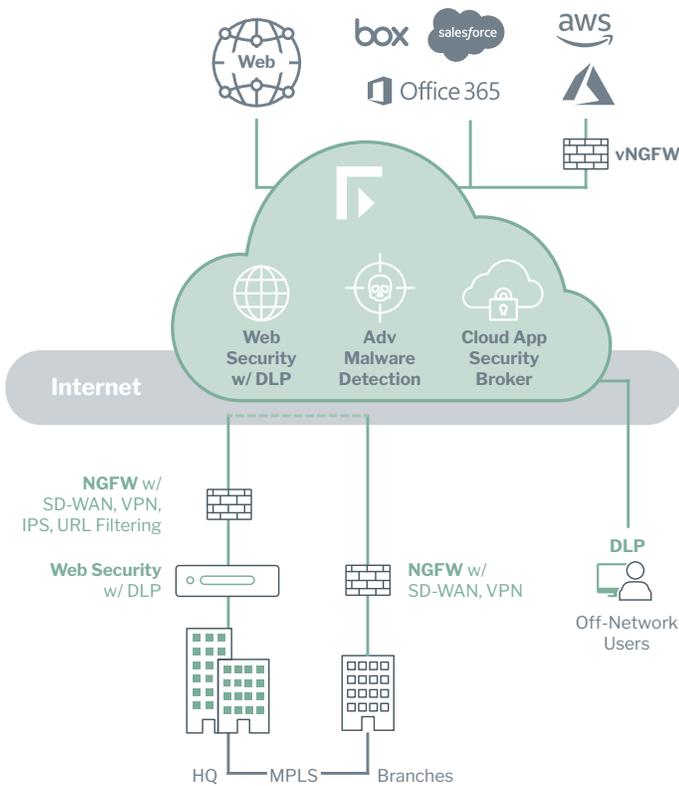
Why organizations around the world choose Forcepoint for transforming to the cloud

Enterprises and government agencies around the world choose Forcepoint because we help them achieve better operational outcomes:

Greater Productivity
(more sales or service)

▸ **Richer connectivity**
(multi-link cloud & site-to-site)

▸ **Faster app performance**

▸ **Higher availability**

Lower Costs
(infrastructure/operations)

▸ **Fewer boxes and consoles**

▸ **Lower operations costs**

▸ **Single-vendor efficiency**

Reduced Risk
(fewer breaches)

▸ **Stronger security**

▸ **Fewer gaps/redundancies**

▸ **More flexible deployment**
(hybrid & cloud)

Streamlined Compliance
(happier auditors)

▸ **Unified control**

▸ **Greater visibility**

▸ **Faster incident response**

forcepoint.com/contact

See for yourself

Find webcasts and other resources showing how to accelerate your digital transformation with direct-to-cloud connectivity and security:

▸ forcepoint.com/solutions/remote-offices-branches