Network Modernization

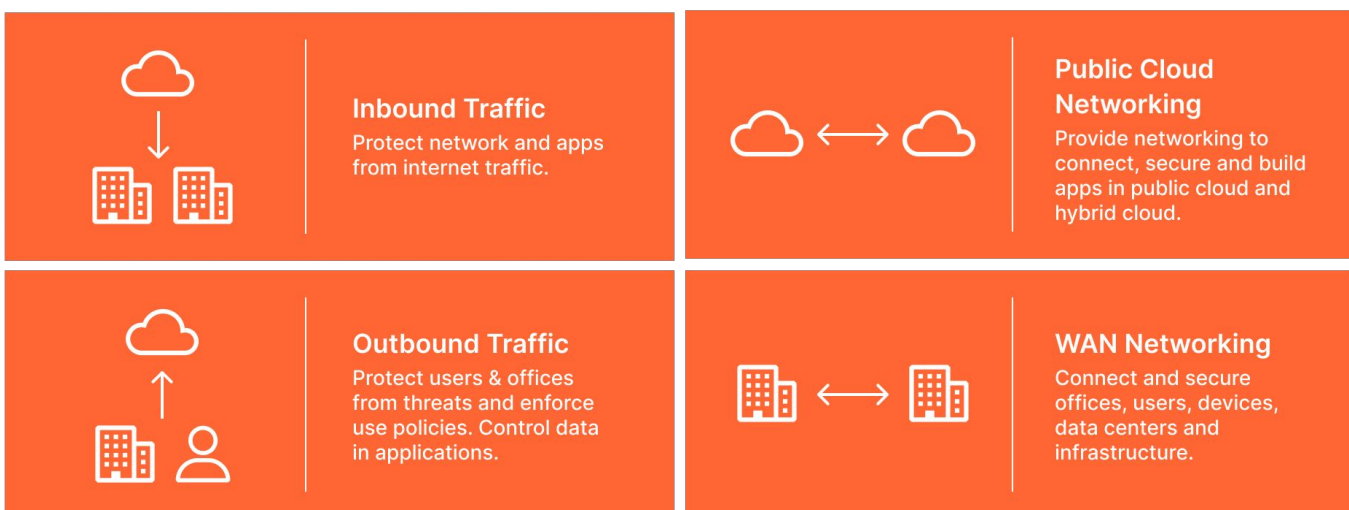Simplify your networking with Cloudflare

The Opportunity for Change

Over the years, rarely has there been an opportunity to simplify the enterprise network. As time passes, organizations added layers and layers of technology into the network by inserting appliances into the traffic path. As a result, networks are overcomplicated, difficult to manage, and resistant to adapt to new requirements.

We're now in an era where change is now possible. By leveraging cloud delivered services as an extension of their network, organizations can start to undo the complexity. Network modernization opens up new possibilities, such as making the network more performant by streamlining the architecture, and more secure by eliminating trust.

However, not every cloud-delivered networking technology is the same. Many are designed to address a small part of the modernization effort, without the capability to tackle others. In order maximize the benefits from modernization, organizations must evaluate their goals are in order to avoid making an architectural mistake that limits, rather than unlocks, the benefits.

Traffic Flows in Enterprise Networks

Inbound Traffic
Protect network and apps from internet traffic.

Public Cloud Networking
Provide networking to connect, secure and build apps in public cloud and hybrid cloud.

Outbound Traffic
Protect users & offices from threats and enforce use policies. Control data in applications.

WAN Networking
Connect and secure offices, users, devices, data centers and infrastructure.

Traffic flows in different directions, and some of these paths cross common infrastructure. These network paths often have different types of on-prem or cloud products used to support functions such as security, networking and monitoring. Your modernization journey should evaluate how to support your networking paths without introducing new complexities. Because the end state of a networking modernization project should not be as complex (or even more complicated) than the environment it is replacing.

Network modernization with the Cloudflare connectivity cloud

Consider the Cloudflare connectivity cloud for your network modernization. It is built upon a philosophy of using a composable, programmable architecture to provide networking and security services to your users and across your cloud-enabled business infrastructure and applications. As a result, it addresses both current and future needs in your modernization journey.

With Cloudflare, you can add functionality and support new use cases by enabling services rather than inserting appliances.. The connection to a Cloudflare Anycast PoP remains the same, while you configure and deploy services from the unified management interface to process traffic. You can address current needs while putting the platform in place to support your future use cases and support your entire network modernization journey.

Instead of building out global infrastructure, use ours. Your organization benefits from the lightning fast speed delivered through the Cloudflare global network. With direct connections to nearly every service provider and cloud provider, the Cloudflare network can reach 95% of the world's population within approximately 50 ms.
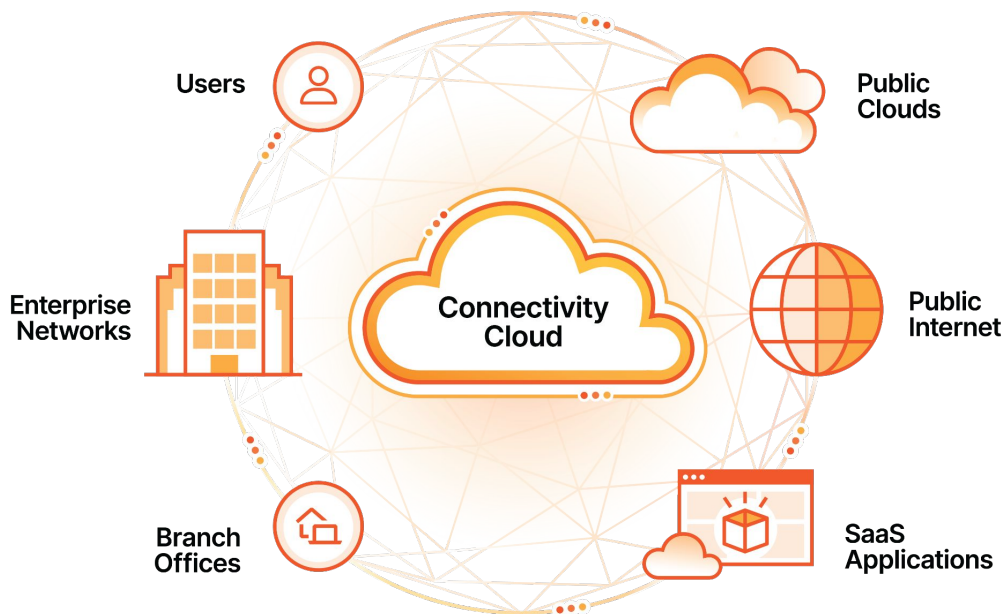
Key network modernization use cases

Branch Connectivity	**Protect your public facing infrastructure**	**Simplify your corporate network**	**Connect and secure your clouds**
Transition from MPLS and SD-WAN to the Cloudflare connectivity cloud.	Reduce load on network firewalls and shift DMZ security to the Cloudflare connectivity cloud.	Reduce or eliminate the DMZ, replace the VPN, and eliminate elevated trust on the LAN. Accelerate connectivity for M&A.	Build and secure apps, and leverage developer services to centralize core functions.