

Static IP Addresses with SD-WAN Use Case

Challenge

Many of today's businesses—consulting firms, manufacturers, retail stores, healthcare providers and more—need the ability to provide the right degree of access to information and applications over their WANs to external partners, customers, patients and others. Consulting firms need to allow employees of partnering businesses the access that enables them to collaborate on shared client projects. Retail stores need to allow customers access to shop online, view inventory and complete sales transactions, without compromising business-sensitive information moving on their networks. Healthcare providers are delivering patient results and scheduling appointments online, sharing information with other providers, insurers and government agencies, while relentlessly protecting highly sensitive medical and business information.

Establishing and maintaining networks that meet the tremendous bandwidth demands of these modern scenarios while providing the essential separation of public and private access has been a challenge and escalating expense with traditional network approaches.

Solution

Software-defined wide area networking (SD-WAN) provides a flexible, simple and cost-effective alternative—or complement—to traditional hardware-based infrastructures. It makes it possible for corporate networks to realize the business benefits of today's widely available and affordable gigabit broadband speeds.

Static IP

Publicly routable static IP configurations using network address translation (NAT) and port address translation (PAT) make it simple and affordable to securely allow external access without compromising sensitive traffic. This "extended provisioning only" configuration applies to all types of broadband internet underlays, including Business Internet (BI), Ethernet Dedicated Internet (EDI), off-net broadband and bring your own internet. With recent NAT/PAT enhancements,

- Servers and applications on the customer's network that require public access are accessible through public IP space
- Existing Comcast Business BI and EDI customers with static IPs have the ability to use SD-WAN over their current service

Use Case: SD-WAN with Static IP

SD-WAN from Comcast Business makes networks smarter, paving new paths to reach customers, employees and partners more quickly and cost-effectively. SD-WAN with static IP configurations provide the simple, affordable solution for businesses that need to provide some degree of network access to outside customers and partners, while keeping sensitive information separated and private, accessible only to those within the organization.

Built on the Comcast Business ActiveCoreSM platform, SD-WAN delivers a first-of-its-kind digital experience that delivers actionable insights across the entire enterprise. SD-WAN is the first ActiveCore offering, with other applications scheduled to be introduced soon.