

# Delivering edge-to-edge capabilities



**Software-Defined Wide Area Networking (SD-WAN) allows companies to build high-performance WANs using relatively low-cost and commercially available broadband Internet links. The AT&T SD-WAN – Over the Top (OTT) service makes the most of these links by providing customers with end-to-end application performance and availability.**

AT&T SD-WAN – Over the Top service uses the network simply for the transport of traffic. By creating an overlay network on top of any public or private network and encrypting all application traffic with an IPSec tunnel, your connections to applications, services, and resources are highly secure.

## Edge Options: AT&T FlexWare<sup>SM</sup> with VeloCloud Devices

A truly international solution available in 150+ countries and territories, subject to conditions, AT&T SD-WAN – Over the Top enables you to establish connections providing highly secure access to resources at branch offices, central datacenters, and the cloud — even over broadband internet connections.

## Features

- Simple deployment, reducing the time and expense associated with connecting remote sites
- Intelligent traffic routing based on link performance and centrally-managed business rules
- Capable of aggregating MPLS and internet connections to achieve higher WAN utilization
- Perfect solution to easily combine on-premise, datacenter-based, and cloud resources
- Built-in deep packet inspection for Application Visibility
- Global solution available in more than 150 countries, subject to conditions

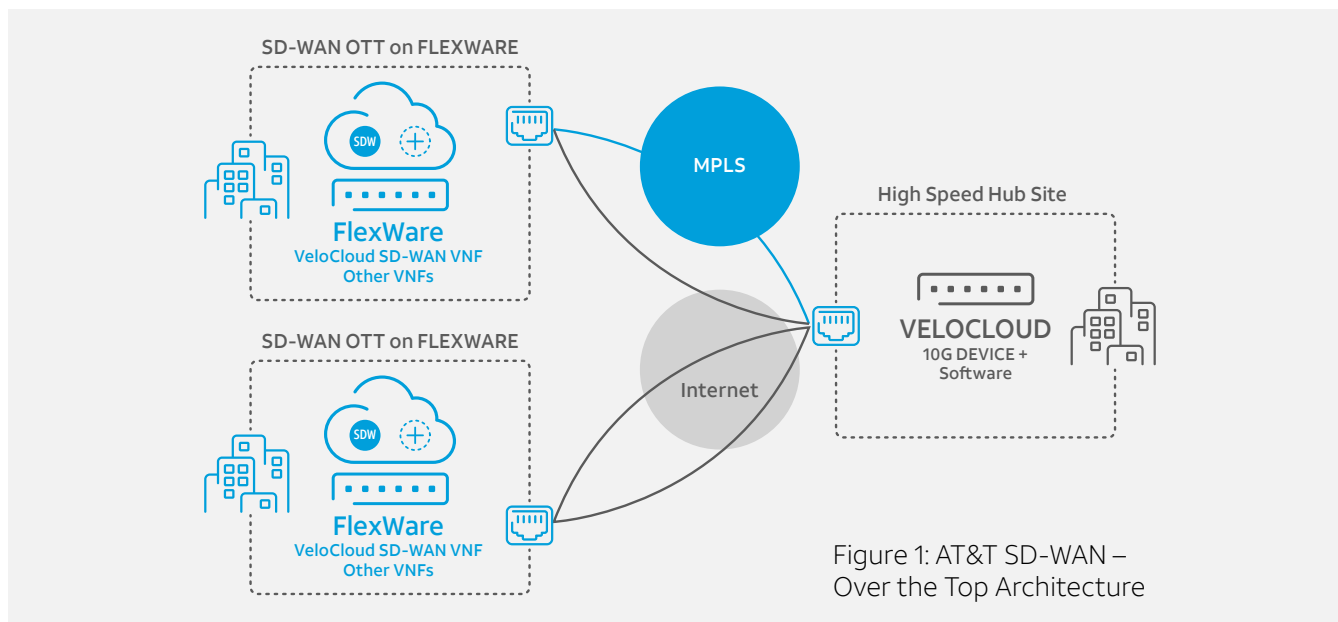


Figure 1: AT&T SD-WAN – Over the Top Architecture

Using Network Function Virtualization (NFV) solutions can eliminate the need to buy, manage, and maintain a stack of specialized networking hardware. Instead, you can achieve the same results using virtual network functions (VNFs) — small software applications running on industry-standard equipment like the AT&T FlexWare® device. A single AT&T FlexWareSM device can host multiple VNFs, replacing racks of dedicated equipment and simplifying and streamlining the deployment and management of your network. In addition to VNFs allowing an AT&T FlexWare® device to function as a router or firewall, AT&T FlexWare® also supports a SD-WAN VNF from VeloCloud. This new option is ideal for businesses ready to join all their locations at once in a single SD-WAN and prefer an AT&T FlexWare® device-based service that creates an overlay SD-WAN network over public or private transport.

AT&T SD-WAN – Over the Top with AT&T FlexWare® devices are managed using a central Cloud-based orchestrator, with changes to business policies and rules pushed to each edge to control the operation of your SD-WAN. The AT&T SD-WAN – Over the Top solution also includes tools to aggregate internet bandwidth to achieve higher WAN utilization, resulting in increased performance without sacrificing application security.

Alternatively, the AT&T SD-WAN – Over the Top solution can be deployed using purpose-built VeloCloud SD-WAN appliances. Installation of these appliances is quick and easy, with ports for your existing MPLS and Internet WAN connection, reducing the time and expense associated with connecting remote sites. This not only simplifies and streamlines deployment and management of your network, but lowers capital expenses and increases operational efficiency.

You can even combine AT&T FlexWare and high-throughput VeloCloud devices into a single integrated solution that is deployed and managed via a single cloud-based orchestrator.

### AT&T Managed Implementations

More than simply providing the tools to take advantage of emerging SD-WAN technologies, AT&T is ready to assist you in managing policies, configuring network and performance management parameters, and defining business rules. On either the AT&T FlexWare® devices or VeloCloud edge devices, AT&T is available to manage your hardware and SD-WAN software and offer configuration recommendations based on orchestrator-provided data.

For more information about AT&T SD-WAN – Over the Top, contact your AT&T sales representative today. Or visit: <https://www.business.att.com/solutions/Family/network-services/sd-wan/>.

Share this with your peers 