

Simplify your network.

Virtual Network Services



Network needs are constantly evolving, but it can be complex and costly to deploy and manage traditional network services. You often need different devices from different vendors to cover individual functions. With Virtual Network Services from Verizon, you address the problems of disparate devices, applications and configuration models in your ecosystem, while controlling costs and responding quickly to changing needs.

Meet the new enterprise network.

Virtual Network Services lets you leave behind the old labor-intensive, slow-to-deploy and complex mix of devices, technologies and configuration models. Instead, you can move toward an agile, resilient and fluid service delivery model that quickly and easily changes to help you capitalize on new opportunities in automation, analytics and customer engagement. Our solution provides a scalable, fully managed platform that integrates with a portfolio of technologies from industry-leading providers.

Create a competitive edge with an application-driven network.

As part of our Software Defined Networking product suite, Virtual Network Services turns your physical network into an on-demand virtual network. That helps simplify management and control capital expense while increasing business agility, scalability and responsiveness. That means you can:

- Deploy services and updates in days, hours or even minutes.
- React automatically to spikes in demand, and quickly scale to meet evolving service deployments with rules-based management.
- Easily budget and manage costs through an operational expense model.

- Maintain agility and innovation by eliminating vendor lock-in.
- Decrease risk as you test, innovate and evolve new services.
- Create a more intelligent network, with enhanced routing, easier management and greater flexibility.

Get the flexibility your business needs.

Virtual Network Services is all about flexibility and scalability, with size options to fit your specific service requirements—whether it's a retail kiosk or a data center deployment.

For even more flexibility, up to three feature set options (Essential, Core, Complete) are available for each network service package.

Essential

Security

Includes standard firewall protection and Virtual Private Network

SD WAN

Delivers secure overlay across any transport using IPsec, basic quality of service (QoS) and split tunnel; offers static IP routing, automatic secure tunnel setup at scale

Routing

Provides basic routing features



Core

Essential services, plus:

Security

Provides a selected set of popular additional features, such as intrusion detection and intrusion prevention services

SD WAN

Supports a greater number of VPNs and allows advanced policy setting and management

WAN Optimization

Covers a predefined set of essential services required for any network environment, including TCP acceleration/transport streamlining, deep packet inspection (DPI), QoS, and DPI- and host table-authenticated application path selection

Routing

Includes standard features provided by router vendor, plus full service management and transport services

Complete

Essential and Core services, plus all available features from your selected security, SD WAN, WAN optimization and routing vendors. Access the services you want and control costs.

A move from traditional to virtual networks allows you to control spending.

Service package	Sizing unit	X-Small	Small	Medium	Large	X-Large	XX-Large
Routing	Bandwidth (Mbps)	Up to 10	Up to 20	Up to 50	Up to 100	Up to 1,000	Up to 2,000
Security	Bandwidth (Mbps)	Up to 10	Up to 20	Up to 50	Up to 100	Up to 1,000	Up to 2,000
WAN Optimization	Max connections	650	1,300	2,300	6,000	14,000	100,000
SD WAN	Bandwidth (Mbps)	Up to 10	Up to 20	Up to 50	Up to 100	Up to 1,000	

Virtualized network function packages

Network as a service

1 uCPE	2 vRouting	3 vSD WAN	4 vSecurity	5 vSecurity	6 vProbes
Deploy on premises. <ul style="list-style-type: none"> • Vendor-specific x86 server • OpenStack x86 server with Verizon hypervisor* 	Define the path. <ul style="list-style-type: none"> • Routing 	Select the path. <ul style="list-style-type: none"> • Application Aware Routing • WAN Segmentation • VPN 	Secure and protect. <ul style="list-style-type: none"> • Firewall • IDS/IPS • URL filtering • Antivirus/antispam • Content filtering 	Accelerate. <ul style="list-style-type: none"> • WAN Acceleration • WAN Optimization • Caching • CDN* 	Insight <ul style="list-style-type: none"> • Application • DPI Network*

*Future availability scheduled for later in 2017

Since the solution is vendor neutral, you have the freedom to shop from a rich ecosystem of Verizon-approved, industry-leading vendors, mixing and matching the services that best suit your organization. Flexible pricing models with cost-effective fixed monthly billing options and a low upfront investment help balance your capital and operational spending.

Free up more resources.

To make it even easier to benefit from your virtual network, we give you world-class, end-to-end, fully managed services. We take care of everything from your initial deployment to your life-cycle management needs. All backed by our global team of more than 1,000 professional services experts and competitive service level agreements.

We take care of your network, so you can focus on growing your business.

Mix and match world-class network services from a rich ecosystem of leading vendors.

The Verizon advantage

As your one-stop shop for managed Virtual Network Services, we make it easy to get the agility, flexibility and performance you need from your network. Verizon is globally recognized as a leader in providing networking, security and cloud solutions and we deliver game-changing virtualization for the modern, hyper-connected world. With our experience managing

more than 400,000 security, network and hosting devices, and over 4,000 customer networks in 150+ countries, you can be confident in our ability to deliver the end-to-end managed services you need.

Learn more.

Find out how you can deploy and manage a more efficient, intelligent network with Virtual Network Services. Visit or contact your account representative today.

[VerizonEnterprise.com/products/networking/sdn-nfv/virtual-network-services](https://www.verizon.com/products/networking/sdn-nfv/virtual-network-services)