Securely extending your WAN across your organization means your business is ready.

Fact Sheet

Software defined secure branch (SDSB)

As the demand for cloud and mobile technologies continues to rise, application performance has become a top priority. Not only are organizations expected to reach more people in more places, they must do so faster and more reliably than ever before. And they're turning to the public internet to help make it happen. But can organizations rely on public IP services without sacrificing performance and security? With Verizon Software Defined Secure Branch (SDSB), they can.

Like a pilot navigating bad weather, a good WAN manager has to make constant adjustments to deliver applications quickly and efficiently. If there's a network slowdown, application preference must adjust to maintain the pace. If a preferred path degrades, the application takes an alternate path. Today's modern networks demand the necessary bandwidth and agility to address changes and congestion as they occur.

Enter Software Defined Networking (SDN) architectures, like Software Defined Secure Branch from Verizon. Leveraging secure dynamic connectivity on top of a transport-agnostic fabric creates a secure flexible network hybrid all fully managed by Verizon. Combining networking technologies such as Private IP (MPLS-based VPN), Internet Dedicated, Internet Broadband and 4G LTE into a hybrid Software Defined Network (SDN) allows organizations to specify multiple transit paths depending on application needs and network quality. That allows organizations to easily scale to meet the growing demand for cloud-based services and mobile access.

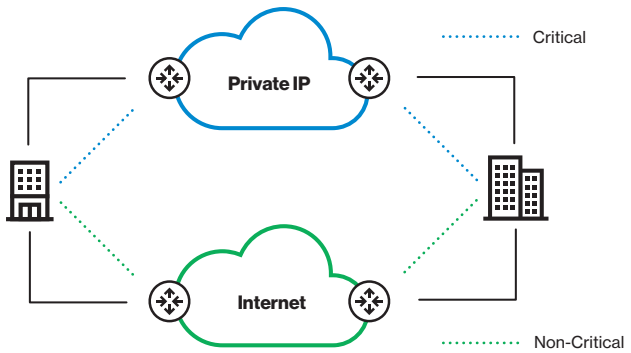

Fig. 1

Benefits

Reduce complexity

Centralized policy orchestration allows for a unified global standard to exist for QoS and security throughout the network. The single-box solution replaces the networking and security functions that may currently take multiple boxes to achieve.

Increase efficiency

Data is routed based on each application's needs and current network conditions.

Maintain availability

Make near real-time decisions to redirect traffic to the service that is most suitable at that time. Secondary and Tertiary network connectivity using 4G LTE and inexpensive broadband allows for a cost-effective way to keep your network up and running.

Strengthen security

Multiple security options allow you to take advantage of a variety of additional Virtual Network functions, tailored to your sites' specific needs.

Control cost

Allows enterprise customers to use premium connections when needed, and lower-cost routes when possible, which can help you better manage the total cost of ownership. Low-cost internet connectivity can be a viable option for noncritical applications, as well as provide excess and redundant bandwidth when needed.

Increase visibility

SDSB reporting provides detailed visibility of network performance, via advanced network monitoring solutions.

Technical Info

Software defined networking options.

Advanced Routing or Application Aware Routing (SD-WAN)

Transport options.

Verizon Private IP (MPLS-based VPN), Internet Dedicated, Internet Broadband, 4G LTE, or most third-party network transport providers

Routing protocols.

OSPF, BGP, VRRP, Static

Application controls.

Traffic Management & Shaping, Traffic Engineering, Service Level Adjustments, Policy Forwarding, QoS Traffic Shaping, Visibility, Multiple Active Links, Dynamic IPSEC Overlay Tunneling, Inline Performance Measurement, Packet Cloning, Traffic Load Balancing

Security

Stateful Firewall, Next-generation Firewall, IPSEC Tunneling, IP, DNS and URL Reputation Filtering, Application Access Control, User/Group Control, Distributed Denial of Service Protection, SSL Decryption, AntiVirus, Carrier Grade NAT (CGNAT), Intrusion Detection and Prevention

Interface options.

10/100/1000 GbE LAN (RJ45) Ethernet, Built-in 4G LTE (optional)

Management options.

Full Verizon Management, Verizon SOC Security Management (optional)

Why Verizon?

Our Software Defined Secure Branch solution gives you the tools, monitoring, oversight, and life-cycle support you need to maintain application visibility and control—and help improve network use while keeping up with application performance. By leveraging our tested practices and processes, portals and platforms, as well as our people, you can absorb the new technology into your organization without making drastic changes. Verizon's life-cycle management approach helps you develop a migration plan that suits your readiness now and in the future.

This includes:

- Fault/configuration/change management of the underlying hybrid platform and transport services
- Instrumentation of path quality and management of associated thresholds and alarms
- Customer-accessible reporting on path quality, application prioritization, utilization, trending and changes in application path selection
- Proactive traffic management—refreshing application rules and path selection
- Troubleshooting performance degradation

Learn more:

Discover how Verizon Software Defined Secure Branch can help you focus on your business with a secure, reliable and flexible network. Contact your account representative or visit: verizon.com/business/products/software-defined-secure-branch/

verizon business ready