Secure Hybrid Network

Solution brief

Secure Hybrid Network can deliver secure and high performing apps – even for broadband.

What if you could cost-effectively transform your network without sacrificing performance and security?

While digital transformation remains a priority for many enterprises, managing and securing increasingly distributed and complex IT environments poses real challenges. IT departments now must manage:

Multicloud environments

The majority of enterprises now use cloud platforms to host a significant proportion of their workloads.

Dispersed users and applications

More users are remote, and applications are becoming more dynamic, requiring lower latency and more distributed processing and throughput.

Ever-expanding security threats

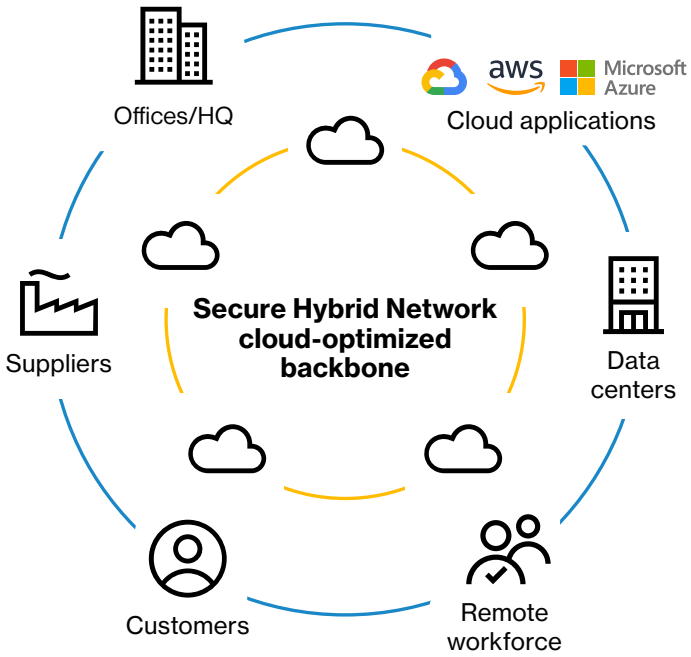
Distributed applications and users increase the number of potential attack surfaces and security vulnerabilities across the network. Perimeter-based network security policies that admit users and devices to the network and its resources are a good first line of defense but aren't sufficient to stem the tide.

Multiple vendors and solutions

Managing multiple vendors can be difficult and time consuming, and experienced in-house support may be hard to find and retain.

Secure Hybrid Network: Simpler, more consistent and more cost-effective digital transformation

Verizon has a solution to these challenges. Secure Hybrid Network provides reliable and secure end-to-end hybrid connectivity (public/private) through a single internet connection, so you can use whatever solution you need based on your performance requirements. With this solution, you have the consistency of experience and security of a private WAN along with the cost benefits and widespread availability of public internet with the added value of optimized routing.



- Dedicated (not shared) bandwidth
- Comprehensive SLA
- Prioritization of critical traffic
- Integrated security

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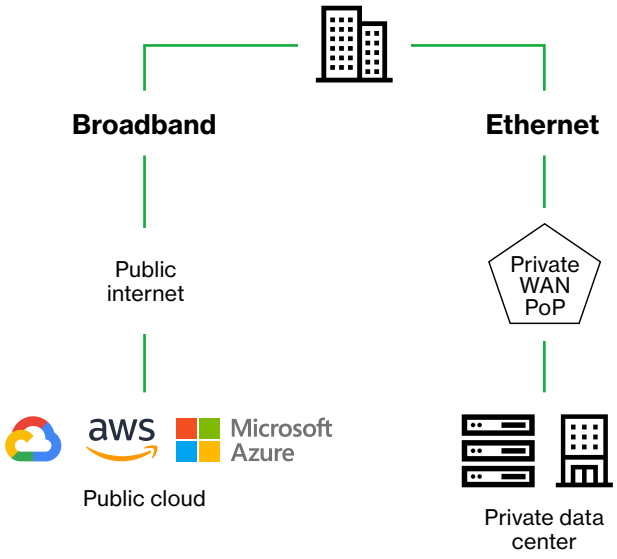
How it works

Traditional hybrid WAN can be expensive and complex to deploy. It's composed of two networks: public internet for less critical applications and a private WAN for mission-critical applications. Each network has different attributes.

With Secure Hybrid Network, you gain the cost benefits and widespread availability of public internet, with the consistency of experience and security of a private WAN.

Traditional hybrid network

Two networks: one for general connectivity and the other for mission-critical applications.



Public internet

- Lower cost
- Shared, asymmetrical bandwidth
- No built-in quality-of-service (QoS) features
- Multiple points of potential vulnerability

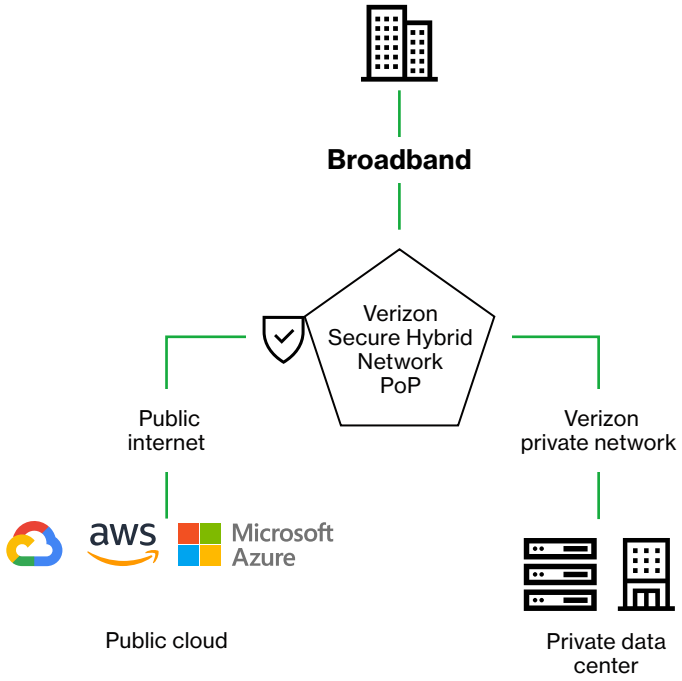
Private WAN

- Reliable SLA
- Dedicated, symmetrical bandwidth
- Built-in QoS features
- "Hidden" from online threats

One hybrid network for all applications

With Secure Hybrid Network, organizations can:

- Keep public and private traffic separated
- Optimize bandwidth and lower networking costs
- Ensure optimization of critical traffic
- Simplify deployment and operations



Secure Hybrid Network: The best of public internet and private WAN

- The cost benefits and widespread availability of public internet
- The consistency and security of a private WAN

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The advantages of Secure Hybrid Network

Secure Hybrid Network can help you achieve many of your strategic goals, including:

Cost-effective networking

Lower networking expenses by using broadband without sacrificing performance and security. You get:

- Bundling of multiple networking and security features into one service
- Per-site, linear pricing. No need for complex network designs or a "hub and spoke" architecture
- Reduced costs of access loops as only one access connection is required at each location.

Enhancing security

Secure Hybrid Network has built-in security for public internet traffic.

- Unified Threat Management (UTM) via a cloud-based firewall for all internet-bound traffic
- Secure internet breakout, packet filtering, application-level content filtering and policy enforcement

Improving performance

Application performance is optimized with Secure Hybrid Network.

- Competitve SLAs guaranteeing predictable and reliable performance for all traffic
- Reduced latency, enabling near real-time applications such as artificial intelligence (AI), machine learning (ML) and robotics
- Consistent performance of private network and public broadband applications achieved with programmable, cloud-optimized routing, Deterministic Routing and Dynamic Path Selection*
  - With Deterministic Routing, traffic over the Secure Hybrid Network PoP will have predetermined routing schemes even over broadband access. This will result in improved performance of applications
  - Congestion management and application offloading will be achieved with Dynamic Path Selection.* The Secure Hybrid Network PoP will direct designated critical traffic over a separate path
  - QoS enables the prioritization of applications

Improving operations and network management capabilities

Secure Hybrid Network simplifies and improves network operations.

- Scalable platform; design stays consistent as the network grows
- Consolidation and centralization of network services, including firewalls
- Easy to use and deploy hybrid networking capabilities without the need to manage licensing or complex policies

Building a streamlined path to innovation

With Secure Hybrid Network, you can create an innovative roadmap with dynamic support for next-gen technologies like 5G, edge computing, AI and ML. You can:

- Adopt new technologies with near real-time business performance
- Facilitate cloud migrations by removing the need to manually increase/decrease the bandwidth for private and public access

Secure Hybrid Network can help you achieve your strategic goals.

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* Release pending

Key takeaways for Secure Hybrid Network

Optimize application performance, including when using best-effort services like broadband

- Cloud-optimized backbone with Deterministic Routing and Dynamic Path Selection* improves performance
- QoS allows for the prioritization of applications
- Experience a more private network-like service over broadband

Cost-effective

Lower network costs by using broadband without sacrificing performance and security.

Simplifies management

Easily use and deploy hybrid networking capabilities without the need to manage licensing or complex policies.

Secures traffic

Built-in security for all public internet traffic.

Facilitates transformation

Allows a gradual and phased approach to more modern infrastructures, enabling hybrid and cloud workloads.

99% of the Fortune 500 companies use our services.

Why Verizon

Verizon offers a consistent global service delivery and experience. No matter where your business is or where you are in your life cycle, you'll have a consistent, repeatable experience.

Here are some key differentiators that set Verizon's network apart from the competition:

- We own and run one of the world's largest seamlessly connected global IP networks, with network coverage in 185+ countries and territories
- We have more than 30 years of experience managing some of the most complex networks in the world
- We can meet our global customer demand through 10 Network Operations Center (NOC) and nine Security Operations Center (SOC) locations for worldwide consistent delivery and management
- Ninety-nine percent of the Fortune 500 companies use our services

Learn more:

For details on Secure Hybrid Network, contact your Verizon Business Account Manager.

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