

Deutsche Telekom Premium Internet for Fortinet SD-WAN and SASE



Fast setup, global coverage, unbounded bandwidth and horizontal scale

Enterprises are rapidly moving to SaaS consumption models for business-critical applications, shifting their compute workloads to the cloud, and augmenting or replacing their legacy MPLS-based WANs with SD-WAN. The ultimate success of each of these initiatives depends on the ability of the public Internet to provide performant and reliable transport. The challenge faced by enterprises is that the Internet is not designed for high performance.

A fundamental problem with Internet routing: its inability to make routing decisions based on performance. The thousands of providers in this “network of networks” route through peering arrangements based on cost, not performance. Routing based on the Border Gateway Protocol (BGP), while resilient and autonomous, cannot reroute traffic to avoid congestion. Performance problems get worse instead of better.

That's where Deutsche Telekom Premium Internet comes into play, delivering superior end-to-end WAN performance and accelerated cloud and SaaS access, backed by a carrier-grade service level agreement (SLA) – making it the solution of choice for Fortinet SD-WAN deployments.

Fortinet's Fortigate appliances effectively enhance the performance of the network edge through advanced routing and edge WAN optimization capabilities. They deliver solid WAN edge and SD-WAN performance, but enterprises that demand assured high performance must either augment their Internet-based WAN with or exclusively retain high cost carrier circuits like MPLS, while SaaS applications and cloud workloads remain at risk of degraded performance.

Deutsche Telekom Premium Internet is an enterprise WAN service built on the public cloud, with fast setup, global coverage, unbounded bandwidth and horizontal scale. Deutsche Telekom's single-source global infrastructure Premium Internet Underlay is built on dedicated Deutsche Telekom IP infrastructure, our directly

interconnected premium partners, and our extended virtual backbone of global cloud-agnostic connectivity partners. It provides over 500 PoPs around the world and uses the infrastructure of more than 25 cloud vendors. Direct Internet Access (DIA) takes care of the last mile. For hardware, we offer Customer Premise Equipment (CPE) as part of this premium service. Our Premium Internet Underlay makes high-performance internet access available anywhere in the world

The Premium Internet network is powered by curated routing, which fuses proven WAN acceleration techniques with real-time metric driven route optimization to eliminate the fundamental performance problems associated with Internet routing. Deutsche Telekom makes Internet performance carrier-grade.

Our orchestrator ingests real time WAN performance data along with measured throughput, loss, and latency from across the backbone networks of over 25 public cloud providers. Using deep learning to process the data, Deutsche Telekom identifies the best performing routes possible given the number of sites and the location and applications used at each site

Premium Internet Underlay is a comprehensive solution for networking all your company sites and connecting them to the cloud. Premium Internet Underlay by Deutsche Telekom also frees up significant capacities within your IT team. This fully managed

service from Deutsche Telekom with a 24/7 support desk in addition to service and performance SLAs makes operating a stable company network a lot less work. Our service portal offers complete visibility across your network and all its locations. As an additional benefit for international companies, the solution is fully compliant with regulations world-wide, including China.

An enterprise WAN service built on the public cloud, with fast setup, global coverage, unbounded bandwidth and horizontal scale.

Your Benefits

- **Integrates effortlessly** with Fortinet SD-WAN devices
- Improves SaaS **application performance by as much as 20x** with reliability comparable to on-premises applications
- Delivers the **lowest possible latency, packet loss, and jitter** metrics for video, UCaaS, and RDP/VDI
- Assures **fast and reliable connectivity** to workloads located in any public cloud provider globally, with full multicloud and hybrid cloud support
- Maintains **consistent performance** for any site to site connections by maximizing throughput while minimizing loss and latency.
- Provides **rock solid, end-to-end encryption** and authentication
- Offers an **economical replacement for MPLS** networks with comparable SLAs for performance and reliability
- **Configure in minutes**, globally deploy in hours
- Innovative and **friendly pricing models**

Good to know about Premium Internet



high performance gains



100+ TB daily traffic



Supports all geographies



2,000+ virtual routers

Get started today and experience the performance of Deutsche Telekom's Premium Internet!

For more information

<https://business.telekom.com>
business@telekom.com



Publisher

Deutsche Telekom
Global Business Solutions
15 Changi Business Park Crescent
#06-02 Haite Building
Singapore 486006