NITRO Wireless
SASE Test

A TeraVM Security Solution for Finding the
Right Balance Between User Experience and Security

The Challenge Facing Managed Security Service Providers (MSSP)

With the widespread deployment of Secure Access Service Edge (SASE) and Zero Trust networks, the biggest concern for IT managers is ensuring company employees can access corporate applications when required, and securely without compromising their daily performance. MSSPs providing SASE services need to live up to enterprise expected SLAs. The challenge is understanding the limits of connections under varying traffic loads.

The VIAVI Solution

TeraVM SASE Test measures traffic volumes, connection limits, redundancy options, latency allowances, cloud access and most important of all, user performance. Delivering on Enterprise expected SLAs requires a single SASE test solution offering the most realistic user end-point emulation at scale, deployed in any cloud environment, testing all aspects including SD-WAN, Zero Trust Network Access, Secure Web Gateway, Data Loss Prevention, Firewall as a Service (FWaaS) with additional support for secure VPN services.

Business Impact

Gartner* predicts that 40% of enterprises will develop strategies to adopt SASE by 2024. SASE service providers who do not test run the risk of exceeding connection limits and user degradation occurring in real time and ending up breaking SLA commitments, costing penalties and damaging reputation.

A common concern in enterprises about any new security mechanisms is whether it will hamper user performance. One SASE vendor claimed to increase the throughput on a single encrypted tunnel by 67% with all security inspections enabled to give their customers confidence that performance would not be compromised. Using test tools that enable developers to measure and optimize these metrics can make the difference in winning business in this competitive arena.

*Source: forbestechcouncil/2022/05/26/how-to-prepare-your-organization-for-the-sase-future

Sample Use Cases

Use Case 1: Validate Site to Site Ipsec VPN links – Run traffic in concurrent Ipsec VPN tunnels between two corporate sites. Measure the VPN throughput performance.

Use Case 2: Measure throughput as security inspections are enabled. Validate the throughput per tunnel as additional security mechanisms are enabled.

VIAVI Benefits

✓ **Leading SASE Test Solution**

Deployed by 2 of top 4 SASE vendors.

✓ **Virtualized and Containerized Solution**

TeraVM SASE Test is a fully virtualized, containerized solution which is also supported on all major cloud platforms.

✓ **Security Test Experience**

Over 15 years experience testing next-generation Firewalls.

✓ **Performance Metrics on Tap**

Easy access to user performance metrics – MoS scores, Latency, Throughput, Tunnel establishment time.

Get started with SASE Test solutions

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