

SASE – real-world, insights-based performance validation is key to project success

Adoption of SASE is growing fast and many organizations are looking at how they can add security service edge (SSE) to their stack effectively. Deployments are at different stages with some organizations leading with network design and adding SSE to it, whilst others are taking a hybrid approach by investing in SSE and then implementing an SD-WAN network model with it. The common aim for all, however, is to integrate the network and SSE into one seamless solution that meets their unique SASE needs.

For SASE Managed Service Providers (SASE MSP's) to be able to respond to each client need effectively and stand out as a preferred supplier it is essential that you can:

- Prove your capabilities meet CORE SASE requirements* and provide SASE assurance against client specific SLA's
- Provide performance validation of SASE solutions in addressing a range of challenges including:
 - Numerous different network functions to be effectively deployed at scale
 - Effective security controls of realistic, legitimate and malicious emulated traffic profiles
 - Responsiveness to new threats, SLA updates and network changes

Generating real-world insights from within the lab

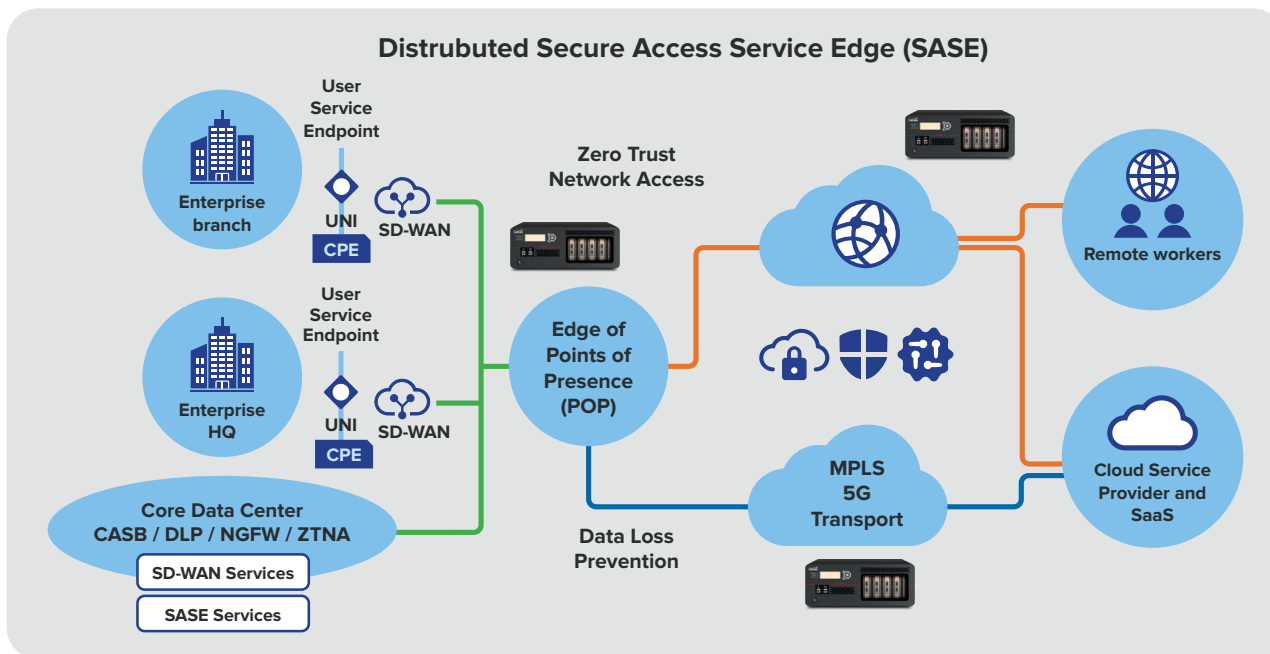
Clients are seeking the real world validation of a SASE solution early in the procurement evaluation stage. Pilot testing in a real-world client set-up is resource- and time-heavy, and often unfeasible.

The functionality requirements and priorities for each SASE project will be unique. However, for validation each pilot project needs to be run under the real-world characteristics which the functions will have to perform including the:

- Associated network profile
- SASE architecture
- Specific conditions and traffic profiles

In lab performance testing, at scale, under emulated real-world network conditions provides the solution. Emulating these unique conditions can transform a SASE pilot project from a potentially costly exercise to one which can accelerate the evaluation process and provide insights into which design delivers an optimal balance between QoE and security effectiveness for the client's specific needs.

*Gartner SASE Core Capabilities



Key Highlights of Calnex SNE-X

- **Up to 28 ports** – allows network impairment of hundreds of packet streams simultaneously.
- **1 to 100GbE wire rate** – for emulating network conditions experienced by 5G services and applications.
- **Low intrinsic latency** – maximum intrinsic latency of 20µs is ideal for simulating throughput-sensitive applications.
- **High performance backplane** – allows simultaneous testing with “Any Port to Any Port”.