Secure Access Service Edge (SASE)

Hybrid, distributed network application performance and security control validation

Keysight CyPerf pioneered the agent-based network application and security test solution category, meticulously recreating realistic workloads across diverse physical and cloud environments to deliver unparalleled insights into end user quality of experience (QoE), security posture, and performance bottlenecks of distributed networks. Test agents send application and attack traffic simultaneously through SASE solutions to validate the security efficacy of your SASE offerings and their impact on traffic performance.

Challenges to Validate Security and Performance of SASE Solutions

- Choosing the right SASE solution that best fits each particular network environment and customer needs
- Measuring key performance indicators like latencies and quality of experience and accurately attribute the delays/drops to factors like network, geographical distribution SASE features, and cloud
- Validating security efficacy of SASE offerings like FWaaS, URL filtering, application controls, intrusion prevention systems (IPS), TLS inspection, and sandboxing
- Maintaining a resilient SASE deployment with changing needs for traffic and security policies to stay ahead of business needs and rapidly changing threats
- Demonstrating to customers the immediate value of SASE through live-traffic proof of concepts (POCs)

CyPerf — Your Solution to Ensuring High-Performing SASE

- Deploy optimized single or multi-vendor SASE solutions by testing with distributed agents deployed in physical and cloud environments and recreate various realistic application mixes
- Generate application traffic through distributed test agents to evaluate key performance indicators such as latencies, concurrency, and throughput either end-to-end or for specific segments Emulate attacks to validate security controls for malware mitigation, exploit detection / blocking, web based attacks detection/blocking, application identification / policing, URL filtering and TLS inspection
- Minimize network downtime and user disruption with solid change management policies and proved due diligence by validating major network changes before pushing in production
- Conduct relevant demos and proof of concepts for SASE customers/users and test differentiated offerings with realistic application and attack traffic generation

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Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at www.keysight.com.

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