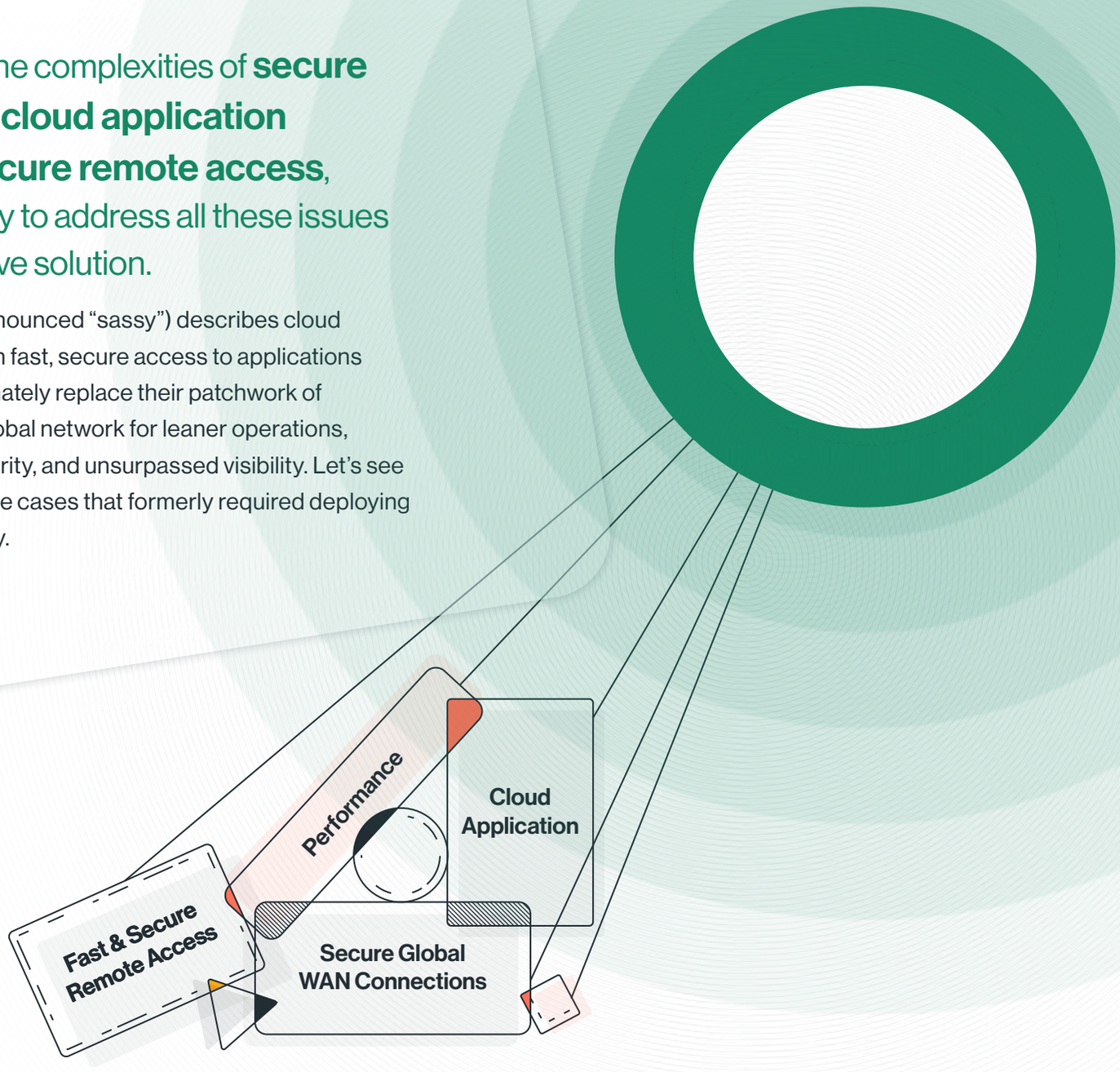
CATO NETWORKS

ENTELEGENT SOLUTIONS

The Top Seven Use Cases for SASE

After years of struggling with the complexities of **secure global WAN connections, cloud application performance, and fast, secure remote access**, organizations finally have a way to address all these issues with a single, simple cloud native solution.

Secure Access Service Edge (SASE, pronounced “sassy”) describes cloud services that provide users anywhere with fast, secure access to applications everywhere. With SASE, enterprises ultimately replace their patchwork of networking and security tools with one global network for leaner operations, lightening-fast agility, always current security, and unsurpassed visibility. Let’s see how SASE solves seven key enterprise use cases that formerly required deploying and managing a lot of complex technology.

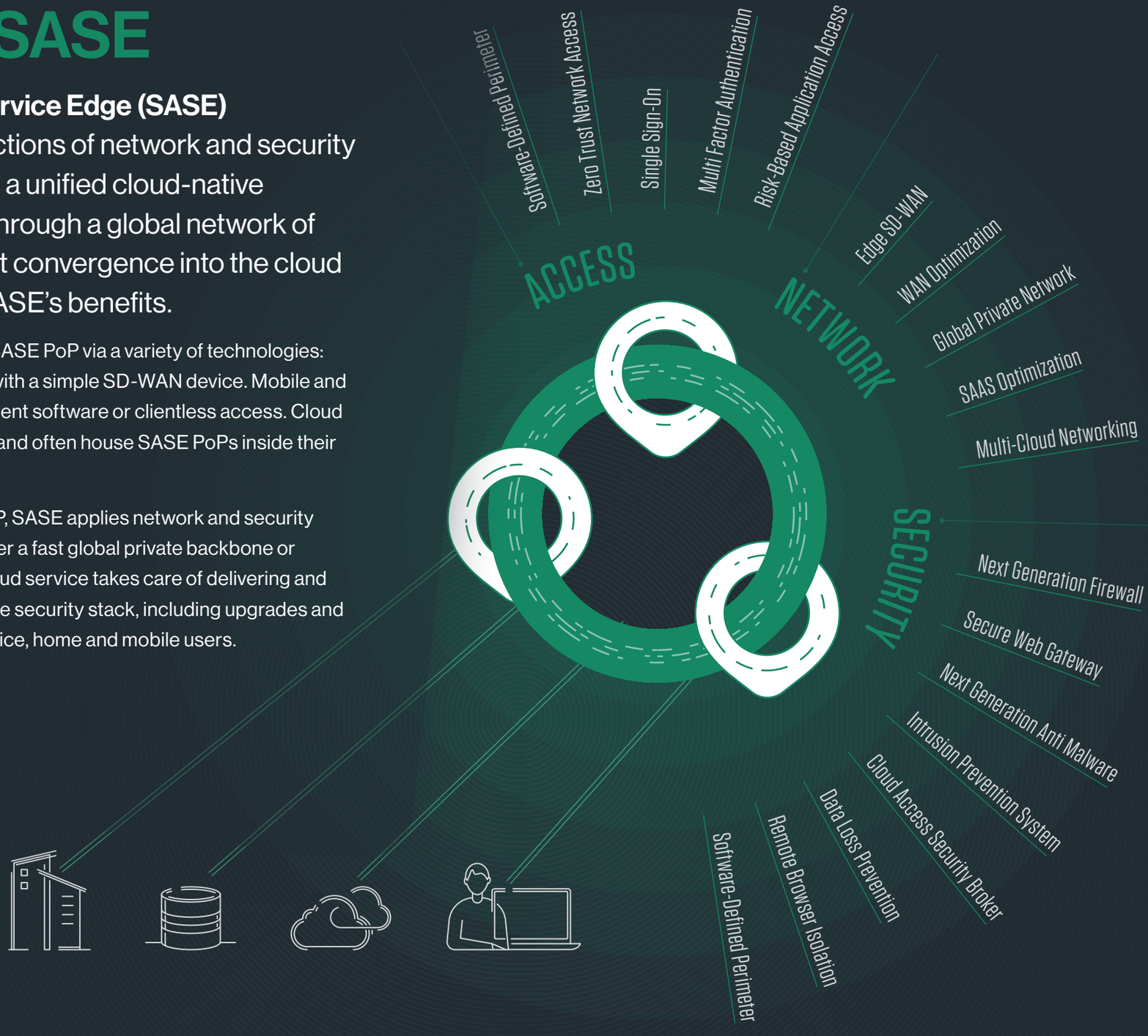


What is SASE

Secure Access Service Edge (SASE) converges the functions of network and security point solutions into a unified cloud-native service delivered through a global network of local PoPs. Without convergence into the cloud you can't realize SASE's benefits.

Traffic is sent to the local SASE PoP via a variety of technologies: Office locations connect with a simple SD-WAN device. Mobile and home users connect via client software or clientless access. Cloud services connect natively and often house SASE PoPs inside their cloud datacenters.

Once traffic enters the PoP, SASE applies network and security policies and forwards it over a fast global private backbone or the Internet. The SASE cloud service takes care of delivering and managing a comprehensive security stack, including upgrades and security updates, for all office, home and mobile users.



The 7 Use Cases

The combination of convergence, cloud agility, and fast performance sets up SASE to address a variety of business use cases. Let's look at the top seven.

MPLS Migration to SD-WAN

Optimized Global Connectivity

Secure Branch Internet Access

Cloud Acceleration & Control

Remote Access Security & Optimization

Work from Home

Easy Management

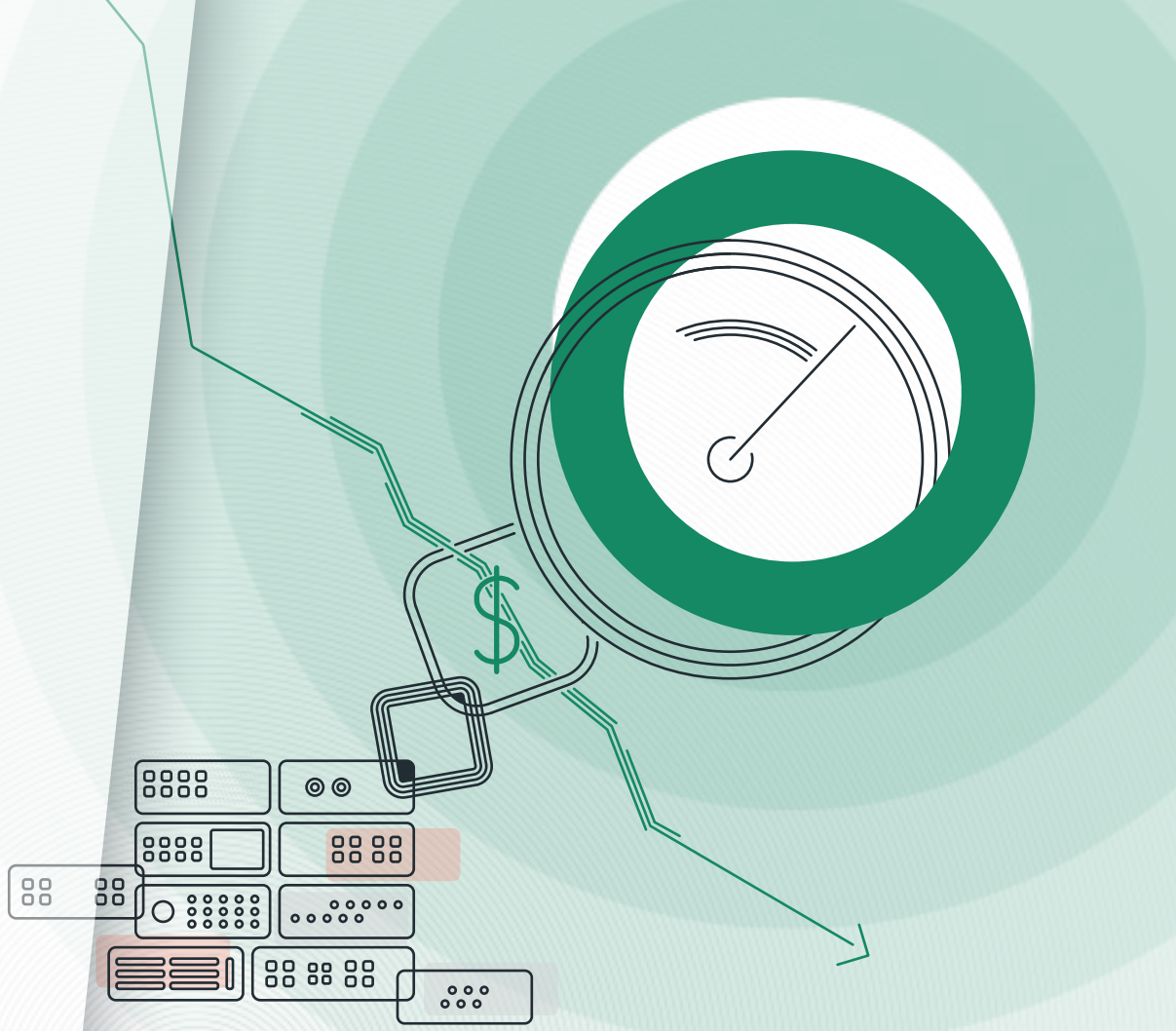
1

MPLS Migration to SD-WAN

SASE enables organizations to move quickly from expensive, capacity-constrained MPLS networks to a more affordable alternative that takes advantage of high-capacity Internet links.

It does so by connecting its network of PoPs with a global private backbone that delivers the same (or better) performance and predictability as MPLS at a lower cost. While MPLS deployment takes weeks or months, deploying SASE at each location typically takes a few days or even a few hours.

Once connected, SASE boosts usable capacity and improves resiliency everywhere, optimizing performance and maximizing throughput to both on-premises and cloud applications.



2

Optimized Global Connectivity

SASE provides a global network of PoPs connected by a private backbone of SLA-backed network providers and built-in WAN and cloud optimization to deliver a predictable, low latency network experience worldwide.

Customers who suffer from high-latency and network inconsistency across their global locations will find that SASE creates a far superior user experience with both on-premises and cloud applications compared to connecting over the Public Internet or even MPLS.

3

Secure Branch Internet Access

SASE solutions enhance and simplify branch office WAN security with a complete built-in, cloud delivered network security stack.

Connecting all branch locations to the SASE PoP protects all traffic, both Internet-bound and WAN, with enterprise-grade, cloud-based security services. It's no longer necessary to backhaul Internet traffic to a datacenter or a regional hub, deploy and manage branch network security appliances, or procure stand-alone cloud security solutions.

All security service upgrades and updates are handled by SASE and the entire WAN and is protected by security stack and set of security policies.

Cloud Acceleration and Control

SASE accelerates cloud traffic seamlessly by routing traffic from all network edges over its global private backbone to the SASE PoP closest to the cloud datacenter.

SASE PoPs share the datacenter footprint of major cloud providers, so latency between the SASE and these providers is essentially zero. Optimizing cloud application access is just a matter of adding a single application-level rule defining wherecloud application traffic should egress the SASE cloud.

You no longer have to choose between MPLS, which is not well suited for cloud connectivity, or SD-WAN solutions whose reliability over the public Internet can be less than ideal. Nor is it necessary to install cloud appliances or set up hubs to reduce latency to the cloud.

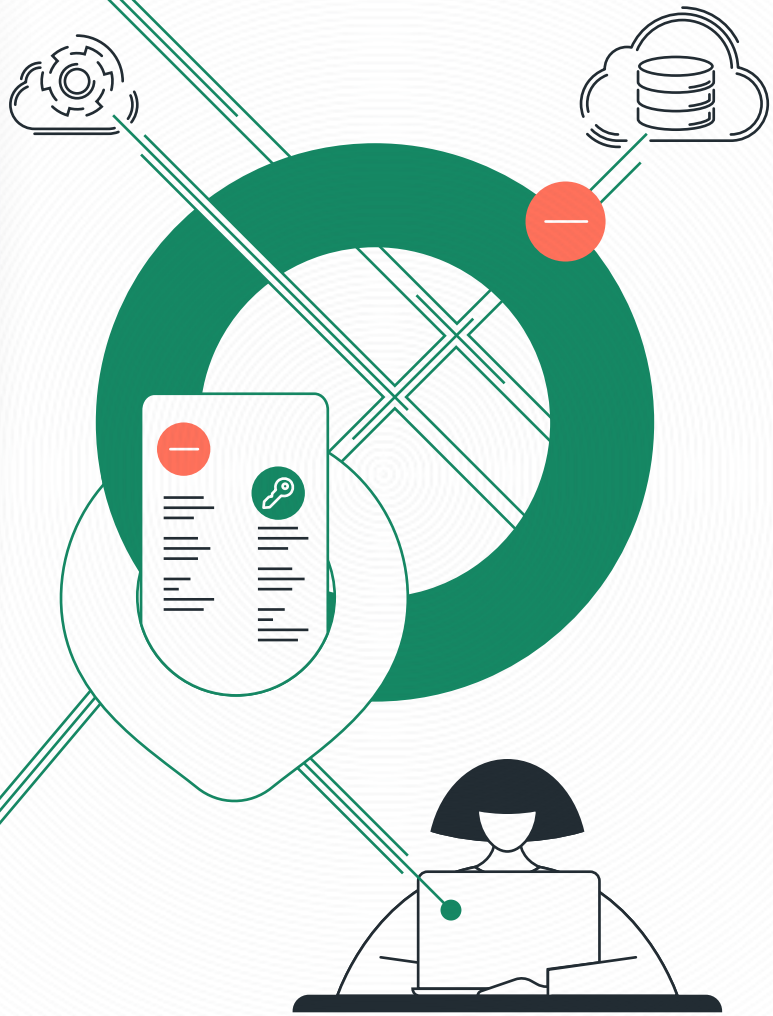
5

Remote Access Security and Optimization

Cloud-native SASE solutions extend their global networking and security offerings to mobile and remote users.

Rather than authenticating users to the entire network, SASE uses Zero Trust Network Access (ZTNA) technology to limit users to the resources they're allowed to see. Using simple mobile client soft rvice stack protects them against threats everywhere and enforces application access control. Unlike legacy VPNs, SASE solutions scales globally to support 24×7 access for the entire workforce.

No longer are mobile users treated as second-class citizens of the network and security infrastructure.



6

Work from Home

SASE solutions support all employees working at home with the same scalable cloud-native infrastructure, management, and security policies as their site-to-site and cloud connections.

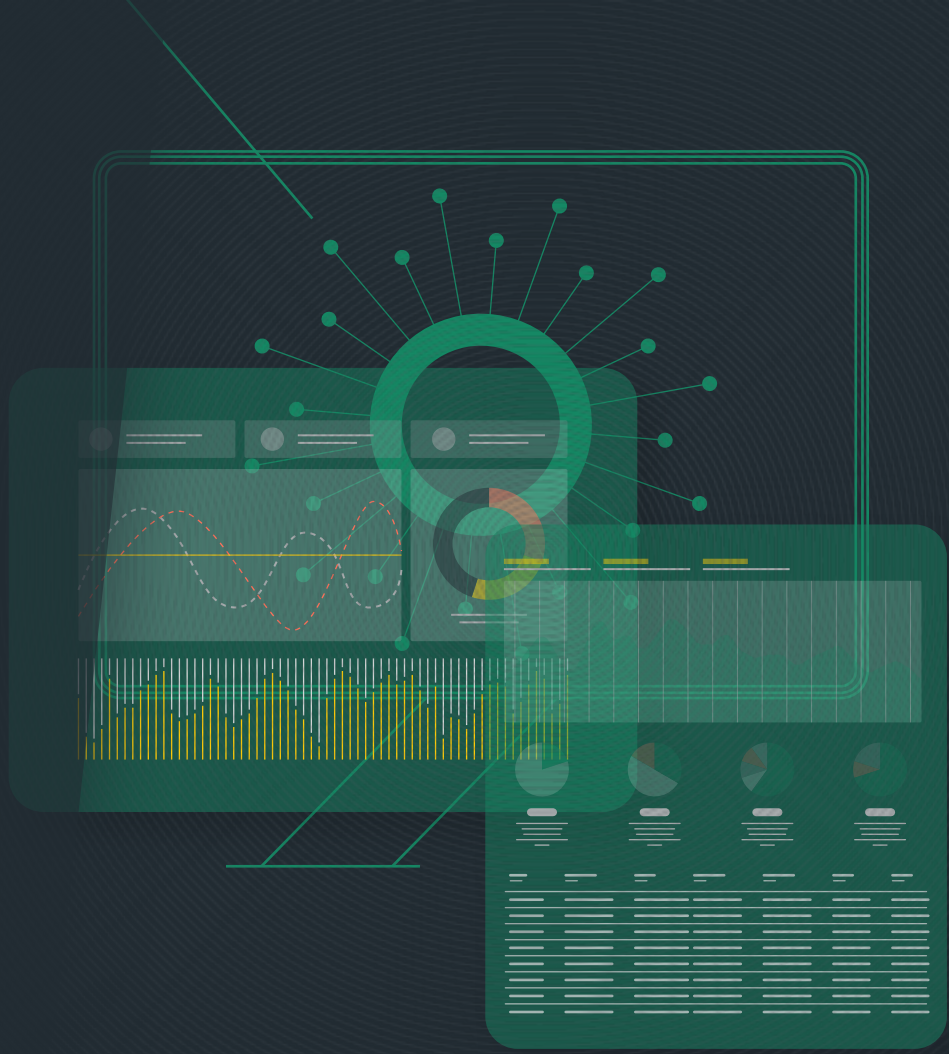
Once SASE customers connect on-premises and cloud datacenters to SASE they can enable self-service provisioning of VPN client software to all users who require work-from-home or remote access. Unlike legacy VPN and SDP products that struggle to support the entire business, SASE offers a cloud-scale platform with a global private backbone that optimizes home traffic of thousands of users to all applications and continuously inspects traffic for threats and access control. The result is that all home users get the same fast, secure network and application experience—and the same productivity—they had at the office.

7

Easy Management

SASE solutions simplify management with a single console that you can use to configure, manage, and report on your entire network and security infrastructure.

Doing so provides richer data context and makes it unnecessary to switch back and forth between consoles to gather important information and troubleshoot network and security issues. The result is improved visibility into network and security issues, easier optimization and troubleshooting, and a consistent set of policies across WAN, mobile and home deployments. Some solutions also offer real-time analytics that provide insight into network issues such as jitter, packet loss, and latency to help IT configure the network for the absolute best user experience.



Conclusion

SASE is a game changer that allows organizations to address a raft of digital transformation use cases with an agile, cloud native solution, rather multiple technologies, hardware appliances, and carrier services. The seven use cases we've described here are the most common, but there are many more ways of using SASE.

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