Lookout and VMware Delivers Endpoint-to-Cloud Security with Optimized Network Connectivity

The need to protect data is top of mind for every executive. As enterprises undertake transformation in how applications are deployed and accessed, data security — regardless who's accessing, what device is being used and from what location — becomes essential.

For example, users are now frequently connecting to data in SaaS apps or in private enterprise apps on premises. These same users may also be connecting to web apps that have the potential to send them malicious content. In addition, the network conditions can impact user experience and productivity.

This transformation has prompted an evolution of how network and security services are delivered. Legacy paradigms of sending all user traffic to centralized data centers where these services are applied before routing the traffic to cloud destinations no longer makes sense. Rather, organizations need a direct link between network and security to protect data and enable connections together. This is where a secure access service edge (SASE) solution comes in, delivering and converging network and security services in the cloud, enabling them to be available when and where they are needed.

By combining the core network component, a software-defined wide area network (SD-WAN), with the core cloud security components, commonly referred to as security service edge (SSE), enterprises gain full cloud and data security across internet, SaaS, and private apps for any user and branch office regardless of location.

Lookout Partners with VMware to Deliver a SASE Solution

To address the security and network requirements of modern enterprises, the integration of the Lookout Cloud Security Platform with VMware SD-WAN™ provides customers greater flexibility and choice with a SASE solution that converges network security and cloud security, to deliver an end-to-end zero-trust solution with optimized network connectivity and data protection.

Lookout Cloud Security Platform in partnership with VMware SD-WAN delivers an optimized connectivity securely for remote and hybrid work. Lookout's unified cloud security platform verifies the user and device security posture before giving access to the apps in the cloud and on-premises environment, while VMware SD-WAN ensures reliable, efficient, and optimal access to resources from any location under varying network conditions.

Customer Benefits of Lookout-VMware SASE Solution:

- Secure remote access to data and apps: The Lookout platform ensures secure access to any apps (internet, SaaS, and private) and protects data by continuously monitoring the security posture of the user and device. With adaptive policies, Lookout is able to protect data from internal and external cybersecurity threats.

- Reliable, efficient, and optimal access to any apps from any location: VMware SD-WAN connects users located at home, branch, campus, or office locations to cloud apps in a reliable manner by dynamically remediating any WAN issues like packet loss, latency, and jitter that can directly impact user experience. Users are more productive since the solution provides the right treatment for SaaS and other latency sensitive apps.

- Simplified management: The VMware SD-WAN solution simplifies site connectivity using centralized VMware Cloud Orchestrator and avoids the need to manually create tunnels every time a new branch or a new app is introduced. The solution has helped customers connect thousands of sites in a week.

- The Lookout Cloud Security Platform provides a unified policy framework that is managed by a single management console and can be enforced consistently and dynamically across cloud apps, private apps, and internet access.

- Enhanced visibility of all end user activity: Customers can monitor end user activity and get detailed visibility into the device posture, IP addresses, and user context when users access corporate apps and data from any branch or remote location. This provides customers visibility into usage of shadow IT, including unsanctioned apps, and protects against any internal and external cyber threats.

Joint Solution Architecture

Together, Lookout and VMware, leaders in cloud security and WAN edge solutions, enable customers to implement zero trust and SASE frameworks that uniquely address the evolving business needs faced by cloud-first enterprises today.

To enable cloud-delivered security and deliver the best cloud app experience, traffic from a branch is carried over to SD-WAN overlay tunnels to the nearest cloud-hosted VMware SD-WAN Gateway location. The solution utilizes industry leading dynamic remediation and optimization technology called Dynamic Multi-Path Optimization™(DMPO) to ensure reliable connectivity under varying network conditions. Traffic is handed off to the Lookout Cloud Security Platform using IPSec tunnels for security enforcement. Customers with existing SD-WAN deployment requirements have the choice to set up IPSec tunnels directly from branch locations to the Lookout Cloud Security Platform.

Enterprise Branches

VMware SD-WAN Gateway

Lookout Cloud Security Platform

Zero Trust

Internet

Managed and Unmanaged SaaS
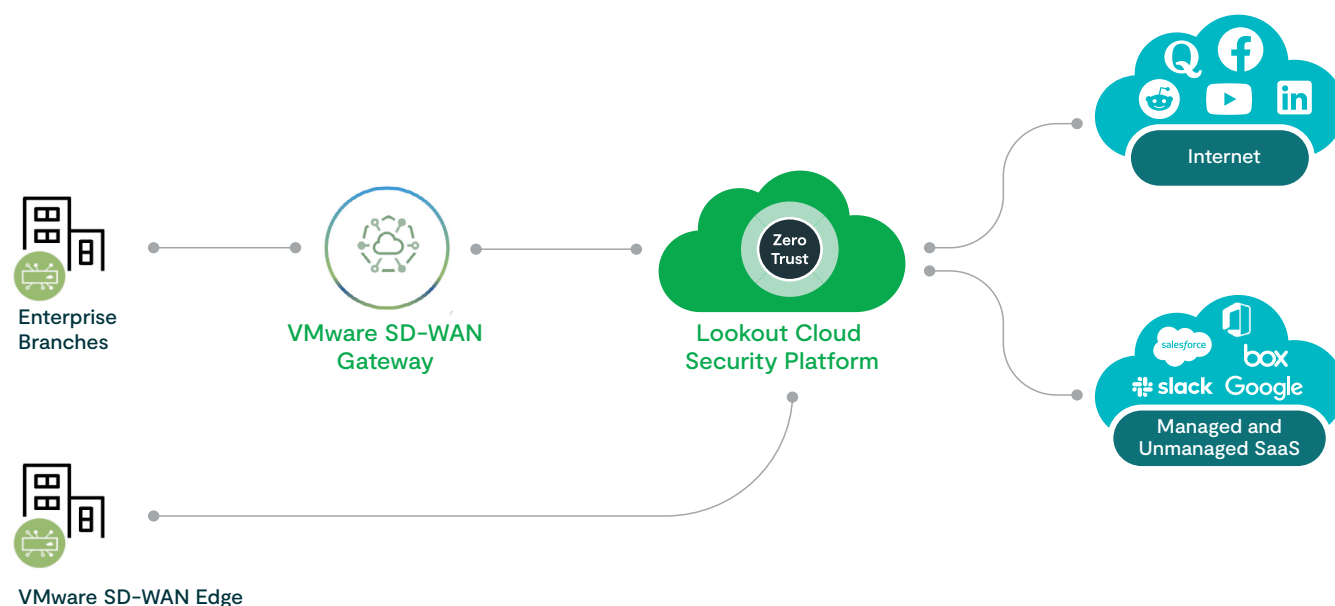
VMware SD-WAN Edge

To meet global enterprise scalability and performance requirements, VMware SD-WAN and the Lookout Cloud Security Platform are delivered as cloud hosted services. VMware SD-WAN is delivered using a global network of VMware Points of Presence (PoPs) placing user traffic on an optimal and reliable path to the Lookout Cloud Security Platform. Lookout solutions are available from global datacenters with high-availability services to ensure the highest level of performance.

Lookout Cloud-native and Innovative Endpoint-to-Cloud Platform

Lookout Cloud Security Platform is a data-centric, cloud-native unified platform that delivers zero-trust security by reducing risk, protecting data, and allowing the data to move securely. With a centralized console and unified policy framework, security can be applied intelligently and in real time. The Lookout Platform provides endpoint-to-cloud security with its innovative security technologies:

Lookout Mobile Endpoint Security enables secure productivity from mobile devices — whether they are managed or unmanaged, iOS, Android, or Chromebook devices — by protecting against socially engineered phishing attacks, malicious apps, risky network connections, and full-device compromises.

Lookout Secure Internet Access is a cloud-delivered secure web gateway (SWG) that delivers zero-trust security to users, devices, and apps, and mitigate against any internet-based threats, and prevents data leakage.

Lookout Secure Cloud Access delivers a cloud access security broker (CASB) solution that provides complete visibility across all cloud and SaaS apps and allows control and maintain compliance through its unified policies, ensuring seamless security within the corporate environment.
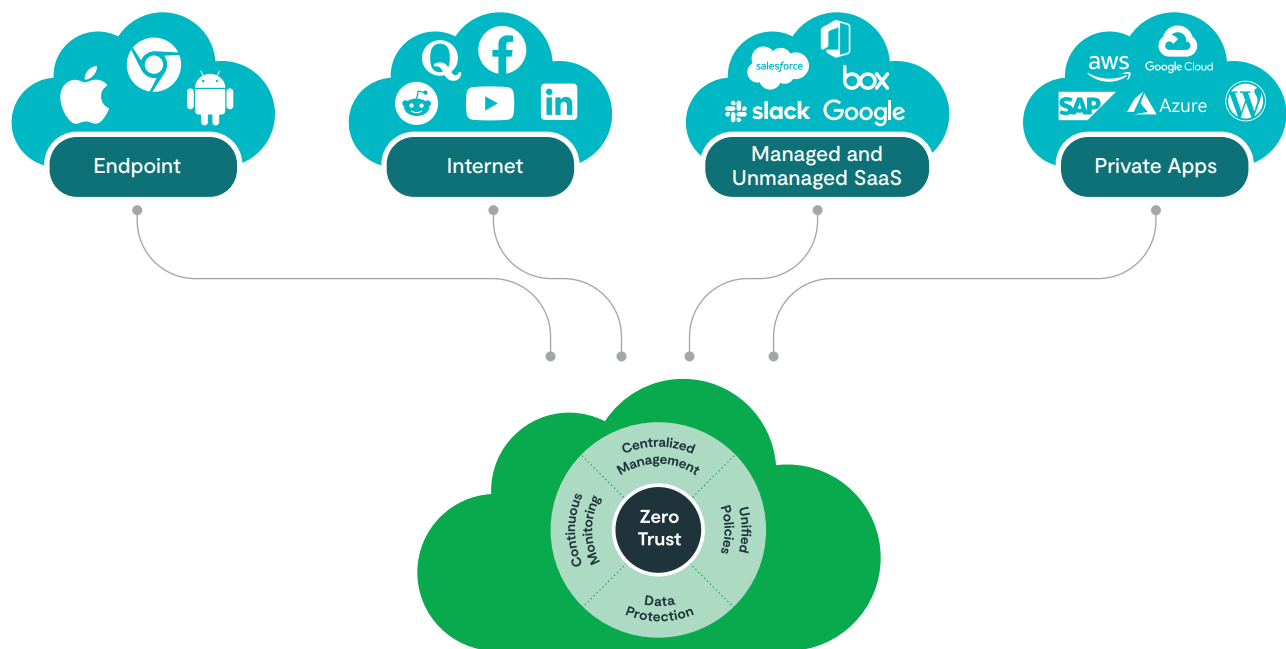
Lookout Cloud Security Platform

Any User   **Any Device**   **Any Location**

Embrace Digital Transformation with Lookout and VMware

The Lookout Cloud Security Platform and VMware SD-WAN provides customers more options to address the challenges of modern-day app and workplace transformation. In doing so, customers can accelerate adoption of SASE and overcome the limitations for legacy solutions. The cloud delivered networking and security solution delivers a rich experience for users without compromising security for any user accessing any app from any location.

About Lookout

Lookout, Inc. is the endpoint-to-cloud cybersecurity company that delivers zero trust security by reducing risk and protecting data wherever it goes, without boundaries or limits. Our unified, cloud-native platform safeguards digital information across devices, apps, networks and clouds and is as fluid and flexible as the modern digital world. Lookout is trusted by enterprises and government agencies of all sizes to protect the sensitive data they care about most, enabling them to work and connect freely and safely. To learn more about the Lookout Cloud Security Platform, visit www.lookout.com and follow Lookout on our blog, LinkedIn, and Twitter.

For more information on VMware SD-WAN or VMware SASE visit sase.vmware.com