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Gain Exceptional Access Security and Data Protection with FortiSASE on Google Cloud

Executive Summary

In today's digital landscape, the rapid evolution of technology has transformed the way organizations operate. With the rise of cloud computing, work-from-anywhere (WFA) employees, and mobile devices, traditional network security approaches are often inadequate. To address these challenges, organizations require a comprehensive solution that can provide secure access to applications and data from anywhere, at any time, without compromising performance or user experience.

FortiSASE, part of the Fortinet Unified SASE solution, is Fortinet's security service edge offering that combines networking and security functions into a unified cloud-based service. By converging wide area networking (WAN) capabilities with security services, FortiSASE enables organizations to securely connect users and devices to applications, regardless of location.

Available on Google Cloud through its comprehensive licensing bundle,[1] FortiSASE leverages Google Cloud's infrastructure and services to deliver a robust SASE solution that meets the security and networking requirements of today's fast-paced organizations. In contrast, the Standard and Advanced versions of FortiSASE operate on Fortinet's own points of presence (PoPs). The remainder of this solution brief delves into the unique features and benefits of the Comprehensive version of FortiSASE on Google Cloud.

"By leveraging Google Cloud, Fortinet Unified SASE is even better positioned to serve a more extensive global footprint, ensuring that customers can seamlessly connect and secure their hybrid workforces to critical applications."[2]

A Global Cloud Infrastructure Is Ideal for SASE

As organizations embrace digital transformation initiatives and adopt cloud-based applications and services, the traditional perimeter-based security model is no longer sufficient to protect against modern threats. Users are no longer confined to the corporate network, and applications are hosted across various environments, including public clouds, private data centers, and Software-as-a-Service (SaaS) platforms.
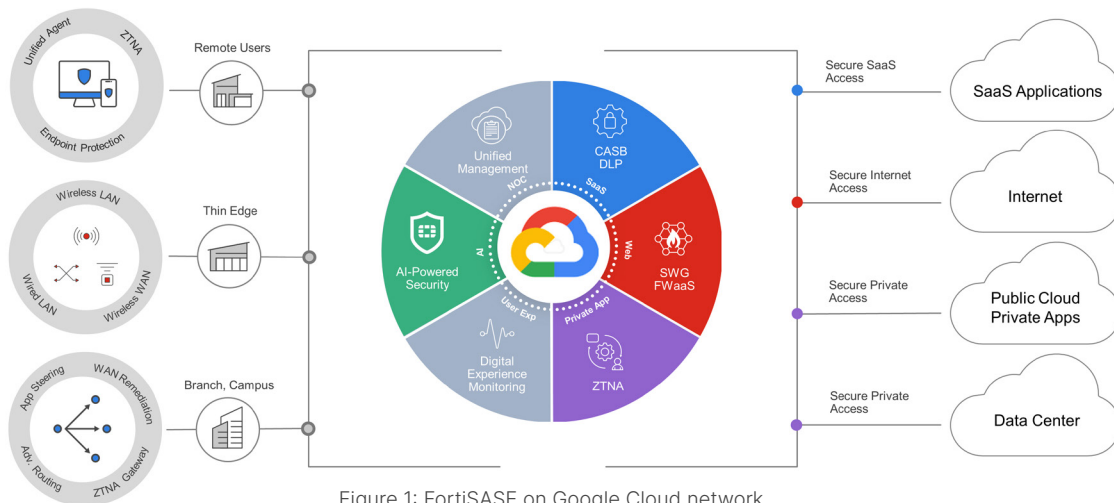

Figure 1: FortiSASE on Google Cloud network

With its global infrastructure, advanced networking capabilities, and comprehensive security services, Google Cloud is well-positioned to host a robust SASE solution. By leveraging Google Cloud's network and the FortiSASE comprehensive bundle, organizations can achieve secure connectivity, seamless user experience, and enhanced visibility and control over their network traffic.

Key Benefits of FortiSASE on the Google Cloud Network

FortiSASE is an innovative approach to network security. By consolidating networking and security functions into a unified cloud-native platform, FortiSASE on Google Cloud delivers a more scalable, flexible, and cost-effective approach to securing modern IT environments. The key benefits of FortiSASE on the Google Cloud network include:

Scalability

Google Cloud's global network infrastructure provides the scalability needed to support the dynamic nature of modern business operations. With FortiSASE on Google Cloud, organizations can easily scale their network and security capabilities based on demand, ensuring optimal performance and reliability. In addition, its ability to adapt to changing business requirements ensures that organizations maintain a consistent security posture regardless of size, industry, or geographic footprint.

Flexibility

FortiSASE on Google Cloud offers flexibility in deployment locations. With more than 100 locations around the world, all the regions where organizations do business are covered.

Cost efficiency

By consolidating networking and security functions into a unified cloud-based service, FortiSASE on Google Cloud can help organizations reduce operational costs associated with managing disparate networking and security solutions.

Enhanced security

By integrating Google Cloud's robust, high-performance architecture with FortiSASE security capabilities, organizations can mitigate security risks and meet compliance with industry regulations.

Improved user experience

With FortiSASE on Google Cloud, users can securely access applications and data from any location, using any device, without compromising performance or user experience. Google Cloud's global network infrastructure ensures low latency and high availability, providing users with a seamless and responsive connectivity experience.

Key Architectural Components

The architecture includes secure access, a secure web gateway (SWG), and other security controls, as well as networking services and management and orchestration. It typically consists of the following components:

Secure edge

The secure edge serves as the entry point to the SASE architecture, providing secure access to applications and data hosted on Google Cloud and other environments. It includes functions such as SWGs, Firewall-as-a-Service, cloud access security brokers, and zero-trust network access capabilities.

> "Our expanded partnership with Fortinet can enable high uptime for customers looking to support their hybrid workforces with Fortinet's SASE solution, along with the advantages of using Google Cloud's Cross-Cloud Network, which include lower costs and improved application experiences."[3]

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Networking services

Google Cloud's networking services, including virtual private cloud, cloud interconnect, and global load balancing, form the backbone of the SASE architecture. These services enable organizations to establish secure and reliable connections between users, devices, and applications, regardless of location.

Management and orchestration

Centralized management and orchestration tools enable organizations to configure, monitor, and manage their FortiSASE deployments on Google Cloud. These tools provide visibility into network traffic, security events, and user activities, allowing organizations to monitor and enforce security policies effectively.

Conclusion

As organizations evolve and adapt to changing business requirements, FortiSASE offers a scalable and future-proof approach to network security, enabling organizations to securely connect users, devices, and applications from anywhere, at any time. With scalability, flexibility, cost efficiency, enhanced security, and improved user experience, FortiSASE on the Google Cloud network provides an exceptional solution for securing modern IT environments.

FortiSASE is now available in the Google Cloud Marketplace for all Google Cloud customers.

Learn more about FortiSASE and Fortinet Unified SASE on our website.

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[1] FortiSASE Ordering Guide

[2] "Fortinet Expands Its Global SASE Points-of-Presence with Google Cloud: Google Cloud Network's Global Network Edge Locations Will Expand Fortinet's POP Coverage for Universal SASE Customers," Fortinet, 2023.

[3] Ibid.

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