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SOLUTION BRIEF

Fortinet-HPE GreenLake

Executive Summary

By migrating essential services to the cloud, companies can experience unprecedented flexibility, scale, and performance that lead to new opportunities. However, cloud migration is a complex and lengthy process that could expand an enterprise's attack surface. Most businesses will maintain a hybrid environment, with data in both the cloud and on-premises, for the foreseeable future. Enterprises require the ability to smoothly transition data and applications to the public/private/hybrid cloud while maintaining comprehensive security during and after digital transformation. The Fortinet-HPE GreenLake partnership enables enterprises to do just this.

Solution Overview

Taking the Cloud To New Heights

No two businesses have the same approach to the cloud. But almost all realize the benefits to be gained and how the cloud can empower digital transformation. A 2019 survey found that 97% of customers stated their cloud experience met or exceeded expectations.[1] At this point, migrating to the cloud is not a question of if, but when.

Yet, migrating applications to the cloud is a complicated process that occurs gradually, rather than instantaneously. Most applications that were easy to migrate to the cloud have already been moved, meaning that the two-thirds of applications that remain on-premises will pose significant challenges going forward—whether due to issues with their architecture, cost, compliance, or interdependence with other systems. Therefore, mastering the task of managing a hybrid environment is inevitable.

HPE's GreenLake allows companies to overcome these obstacles and migrate their applications to both public and private clouds, while also integrating their on-premises legacy data centers that haven't yet transitioned to the cloud. GreenLake offers this as a service for companies, managing the complexity for its clients by handling their data and application processing and compute needs as they migrate. With GreenLake, businesses can move their applications to a private cloud or to any of the major public cloud providers, such as Amazon Web Services, Microsoft Azure, Google Cloud Platform, and Alibaba Cloud.

GreenLake also customizes its solutions to the individual needs of its customers, accelerating digital transformation with edge-to-cloud services delivered in every location. Companies can transform their apps, generate data for new insights with artificial intelligence (AI) and machine learning (ML) at speed and scale, and improve their service delivery to every part of the business. The GreenLake-Fortinet partnership layers protection over these hybrid architectures to make them secure.

A New Type of Partnership

Digital transformation is driven by utilizing HPE GreenLake protected by Fortinet. Through the partnership, companies can:

- Migrate applications to public and private clouds, while creating network architectures that are highly responsive, flexible, and adaptive to ever-changing needs

- Harness broad, next-generation firewall and cloud security with FortiGate

- Experience management andautomation of both cloudmigration and security services. Fortinet security products like FortiAnalyzer, FortiManager, **FortiADC**, and FortiCASB provide visibility, compliance, data security, and threat protection

- Leverage native integration, allowing seamless building of new applications in the cloud
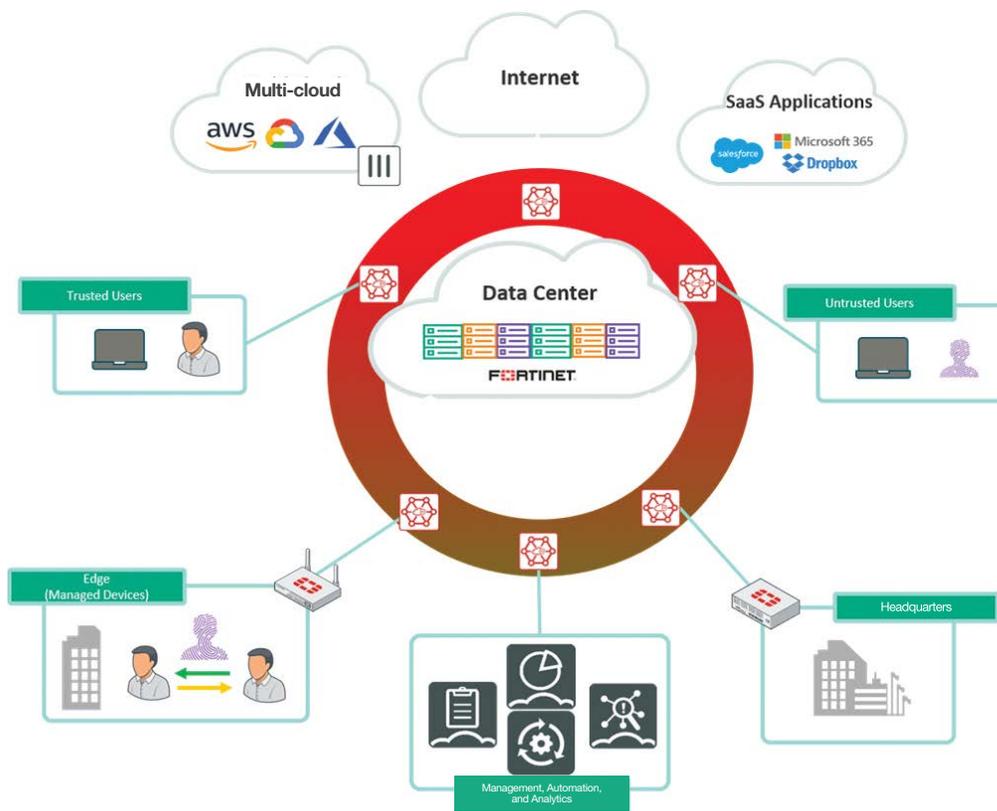
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Technology Partner
Microsoft Azure Stack Tested
SILVER PARTNER

Figure 1: Fortinet cloud data center architecture.

Security for a New World

The cloud brings new potential, but also exposure to new threats. Fortinet's broad portfolio of cybersecurity offerings means that companies can fully harness the power of GreenLake's services in a secure manner. The wide range of Fortinet products and services allows GreenLake to meet the unique security requirements of each customer. Fortinet FortiGate next-generation firewalls protect against internal and external threats on public, private, and hybrid clouds. FortiGate also helps protect, accelerate, and load-balance traffic in any direction across the integrated network. Fortinet solutions are available in flexible form factors and scale as needed, ensuring they can fit into any data structure, anywhere.

Fortinet relies on zero-trust access (ZTA) technology to make high-level security possible, evaluating each user during each interaction with the network based on their device and behavior, and then limiting access to only what's needed. This is especially important for public cloud users. Even if the public cloud provider was compromised, Fortinet ensures the business users are still protected.

The Fortinet Security Fabric allows HPE clients to experience harmonized threat protection across their entire attack surface, with security from the core of the network outward to applications. Fortinet secures users and devices, the network edge, and compute, while also reducing risk—for a comprehensive solution to address today's security threats.

[1] "Having Your Cake and Eating it Too," 451 Research, October 2019.

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