Fortinet and Brocade Integrated Security Solution

Innovating and Securing the Customer Premises

Spurred by competition, service providers are driven to continually evolve service offerings to address the needs of enterprise customers. This entails finding new ways to improve service agility and using a scalable platform capable of upselling on-demand services to remain relevant to customers, adapt to changing needs, and develop new revenue opportunities.

Organizations are also under pressure to protect infrastructure and applications from increasingly sophisticated and targeted threats, and are in need of a high-performance, flexible network security solution that safely enables applications and protects against a variety of cyberattack vectors. The solution must also support the dynamic nature of a virtualized environment.

Fortinet and Brocade have partnered to deliver an industry-leading security and networking solution to address these challenges. Bringing together Brocade's Vyatta® Network OS with Fortinet's FortiGate® virtualized firewall products

and technologies enables customers to securely deploy branch office services. Combined with Brocade's resource-optimized, highly efficient VNF Platform and leveraging the best-validated security protection in industry from Fortinet, customers can deploy Virtual CPE securely and with confidence.

How Does It Work?

The Brocade® Vyatta® Network OS is the foundation for this joint vCPE services architecture providing the flexibility, simplicity, and performance that operators need to address current and future network demands. Brocade delivers a modern host operating system with an integrated hypervisor and native support for advanced policy-based routing, VPN and NAT with carrier grade reliability and resiliency. Leveraging innovations from Brocade and the Intel Data Plane Development Kit (DPDK), the Brocade Vyatta Network OS enables carrier-class performance and reliability in software. Service providers can offer and monetize value-added services by leveraging the Brocade OS platform's efficient use of resources to deliver more performance.

The native support for foundational networking services coupled with efficiency and

performance provide immense value to Fortinet's FortiGate. The capabilities of this underlying VNF Platform extend performance and scale to critical security functions, enabling unlimited scalability, visibility, and performance. The Brocade Vyatta Network OS also eliminates manual provisioning by supporting zero-touch deployment for the on-premises vCPE, which automates configuration and software updates and allows service providers to scale services as needed.

FortiGate firewall virtual appliances run as VNFs in the Vyatta OS and provide unparalleled security protection while realizing the flexibility and benefits of VM-based packaging delivering rapid provisioning, traffic visibility, and scalability to deliver unmatched ROI. When deployed in the solution, Fortinet FortiGate uniquely provides an optimized, low-latency, and flexible network security infrastructure, delivering security without compromising performance.

FIGURE 1: FORTINET AND BROCADE VCPE SOLUTION WITH INTEGRATED SECURITY.

Solution Benefits

- Unparalleled Security Protection- Leverage the industry's best validated security protection offered by Fortinet's FortiGate network security platform to protect against sophisticated cyberthreats.

- Multi-layered security platform built for carrier-scale deployments.

- Improved compute, memory, and hardware resource efficiency for optimal performance and scale.

- Easy API integration for robust, agile infrastructure.

- Designed from the ground up for NFV (Network Functions Virtualization), with performance & footprint differentiation, unified management and open hardware support.

- Leverages Global Threat Intelligence to protect individual customers, by using Fortinet's FortiGuard Security Subscription Services to enable visibility and control for next-generation protection against advanced threats, including zero-day attacks.

Service providers can leverage the above solution benefits to attain service agility, greater operational efficiency, and lower CapEx, while ensuring the highest levels of security protection.

About Brocade

Brocade networking empowers organizations to maximize investments for the New IP by transforming data center networking with open, virtual, and automated solutions. Brocade solutions help organizations achieve their critical business initiatives as they transition to a world where applications and information reside anywhere. Learn more at www.brocade.com.

About Fortinet

Fortinet secures the largest enterprise, service provider, and government organizations around the world. Fortinet empowers its customers with intelligent, seamless protection across the expanding attack surface and the power to take on ever-increasing performance requirements of the borderless network - today and into the future. Only the Fortinet Security Fabric architecture can deliver security without compromise to address the most critical security challenges, whether in networked, application, cloud, or mobile environments. More than 280,000 customers worldwide trust Fortinet to protect their businesses. Learn more at http://www.fortinet.com
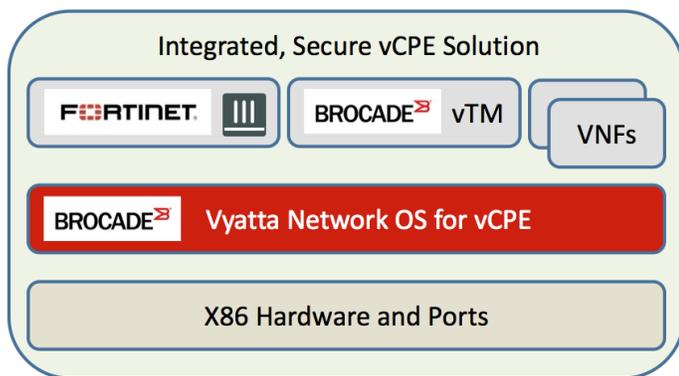

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