Delivering advanced software-defined security for datacenters
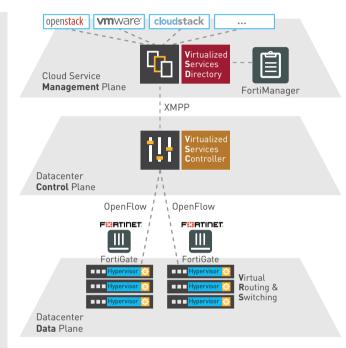

SOLUTION OVERVIEW

Integrated network security solution secures the datacenter against modern threats. The solution protects the integrity of datacenter applications, and secures the virtual machine environment and underlying network fabric.

Fortinet® FortiGate™ firewalls are certified for use with the Nuage Networks Virtualized Services Platform.

SOLUTION FOR

- Cloud and Application Service Providers with Internet-facing datacenters

- Enterprises having internal datacenters with connectivity to virtual private networks (VPN)

- Telecommunication Service Providers offering clean Internet services

- Single, unified control point ensures security is always linked to application and service domains

- Extends the speed and efficiency of Nuage Networks-enabled network consumption to service layer for next-generation firewall and threat protection

- Enables highly flexible deployment scenarios for more efficient and secure traffic forwarding across virtual machines, containers, bare-metal hosts, and datacenters

FORTINET®

Nuage Networks and Fortinet have created the abilty to seamlessly bring next-generation firewall and security technology directly into the core of your datacenter enviornment.

As a datacenter manager, you are under pressure to protect your infrastructure and applications from increasingly sophisticated and targeted threats.

Datacenters need a high-performance, flexible network security solution that safely enables applications and protects against modern threats. The solution must also support the dynamic nature of a virtualized environment.

The integrated network security solution eliminates many of the unacceptable compromises previously endemic to datacenter network security.

When deployed alongside the Nuage Networks Virtualized Services Platform (VSP), Fortinet FortiGate provides a simplified, high-performance, flexible network security infrastructure that safely enables the complex and growing number of applications in the datacenter. The solution addresses key virtualization and cloud requirements including intra-host inspection of virtual machine (VM) traffic, tracking policies to VM creation and movement, and full integration with the Nuage Networks Virtualized Services Controllers (VSC) to automate policy changes.

With consistent next-generation security features available in physical and virtual form factors, and optimized low-latency architecture, Fortinet FortiGate delivers security for your datacenter design without compromising performance.

Solution features and benefits

Fortinet security can be deployed alongside the Nuage Networks VSP in three implementation models, as shown in the figure below.
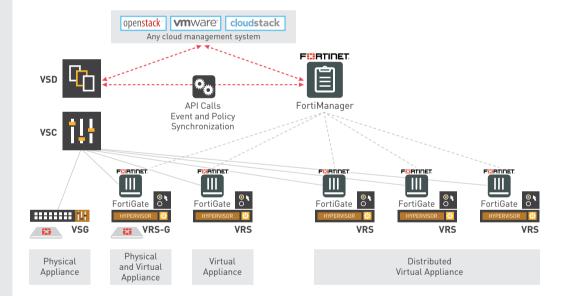
Each deployment model can be adapted to maximize protection while utilizing the dynamic and reactive adaptability of the Nuage Networks VSP to deliver exceptional service velocity for your critical tenants and their applications.

Through the combined power of Nuage Networks VSP and Fortinet FortiGate, you can identify, control and safely enable datacenter applications while simultaneously inspecting content for all threats. You benefit from a complete threat protection framework that addresses targeted attacks, exploits, malware and spyware on standard ports, non-standard ports and within encrypted traffic.

As datacenter networks evolve to optimized fabrics, security protection must now also evolve to become part of the network fabric. Together, Nuage Networks and Fortinet deliver just that.

Features

- Next-generation firewall
- Application visibility
- Modern malware protection
- Enterprise-class IPS
- DOS/DDOS attack protection
- Virtualization security
- Anti-virus

About Nuage Networks

Nuage Networks (www.nuagenetworks.net) brings a unique combination of groundbreaking technologies and unmatched networking expertise to the enterprise and telecommunications industries. The Silicon Valley-based business has applied radically new thinking to the problem of delivering massively scalable and highly programmable SDN solutions within and across the datacenter and out to the wide area network with the security and availability required by business-critical environments. Nuage Networks, backed by the rapidly growing IP/Optical Networks business of Nokia, has the pedigree to serve the needs of the world's biggest clouds. The cloud has made promises — the mission of Nuage Networks is to help you realize them.

Discover more at www.nuagenetworks.net/partners and follow us @nuagenetworks