WIND

TITANIUM CLOUD

CHECK POINT AND WIND RIVER

Advanced Threat Prevention Security and Carrier Grade NFV Infrastructure Deliver Industry-Leading Protection to CSP Cloud Networks

Check Point is the leader in advanced threat prevention security and provider of the leading next-generation cloud security solution Check Point vSEC for NFV, now integrated with Wind River® Titanium Cloud™, the industry's first fully integrated and feature-complete Network Functions Virtualization (NFV) software platform.

The vSEC for NFV integration with Titanium Cloud is designed to equip service providers with comprehensive threat-prevention security, zero-day protection, agile delivery, management, and automation across software-defined WAN and vCPE deployments, resulting in industry-leading protection of mission-critical services and apps, acceleration of delivery of new services, reduction in operating and capital expenses, and improvement in the ability to offer value-added security services to meet and exceed service level agreements (SLAs) and compliance requirements with customers.

Together, Check Point and Wind River allow communication service providers (CSPs) to realize the benefits of NFV architectures with integrated security, including:

- **Resource flexibility:** Software-based security services can be provisioned, de-provisioned, and re-provisioned on demand to meet changing business requirements and customer needs.
- **Cost reduction:** Capital expenses can be reduced by using commodity hardware and operating expenses can be reduced through automation—while still providing rich, value-added security services.
- **Service scalability:** Security services can be distributed across a virtualized, dynamic infrastructure providing an elastically scalable ability to meet changing customer demand.

ADVANCED THREAT PREVENTION FOR NFV-BASED CLOUD NETWORKS

A network transformation is under way to enable better utilization through virtualization and software-defined services. CSPs are seeking best-of-breed solutions that can help accelerate this transformation. They are also demanding solutions that provide seamless automation without compromising the "always on" security and reliability expected from carrier grade systems. Check Point and Wind River now offer an integrated carrier grade NFV solution that enables CSPs to orchestrate the deployment of advanced security services for zero-day protection, visibility, and control.

CHECK POINT™

YOU DESERVE THE BEST SECURITY

Ecosystem Component

VNF provider

Solutions

- Check Point vSEC for NFV

Value

- Delivers multilayer, comprehensive advanced threat prevention for applications and data
- Protects data center and branch office environments from security breaches, malware, and zero-day threats
- Provides centralized and unified management and reporting
- Maintains security with carrier grade reliability

This solution enables service providers to orchestrate the vSEC virtual gateway so they can take advantage of the vSEC's industry-leading threat prevention capabilities, including:

- Protection against security breaches, malware, and zero-day attacks
- Advanced threat protections to inspect internal and external traffic; fully integrated security features include: firewall, IPS, application control, URL filtering, IPsec VPN, DLP, antivirus, anti-bot, and award-winning SandBlast sandboxing technology
- Consistent and unified security policy management, enforcement, reporting, and consolidated logging

With vSEC for NFV running on Titanium Cloud, you can:

- Fully automate services and security workflows and use orchestration to speed time-to-delivery, reduce total cost of ownership (TCO), and minimize configuration errors
- Eliminate the costs and loss of reputation associated with business disruptions and downtime for CSPs and customer networks
- Deliver value-added security services to customers

THE PROMISE OF NFV FOR SERVICE PROVIDERS

Through the Wind River Titanium Cloud™ ecosystem, Wind River has collaborated with industry-leading hardware and software companies to ensure the availability of interoperable standard NFV products optimized for deployment with Titanium Cloud. Using solutions from the Titanium Cloud ecosystem will accelerate time-to-market, reduce risk, and significantly improve the deployment of an end-to-end NFV infrastructure.

ORCHESTRATING ADVANCED SECURITY AS A VNF

By integrating vSEC for NFV as a virtual network function (VNF) on top of Titanium Cloud, Check Point and Wind River enable their customers to automate the deployment of advanced security and application protection capabilities. As part of an integrated NFV service, vSEC secures and protects all application workloads, data, and customer traffic across the hybrid enterprise for organizations and CSPs that want to deliver the most advanced security and protections to the customer and the end user.

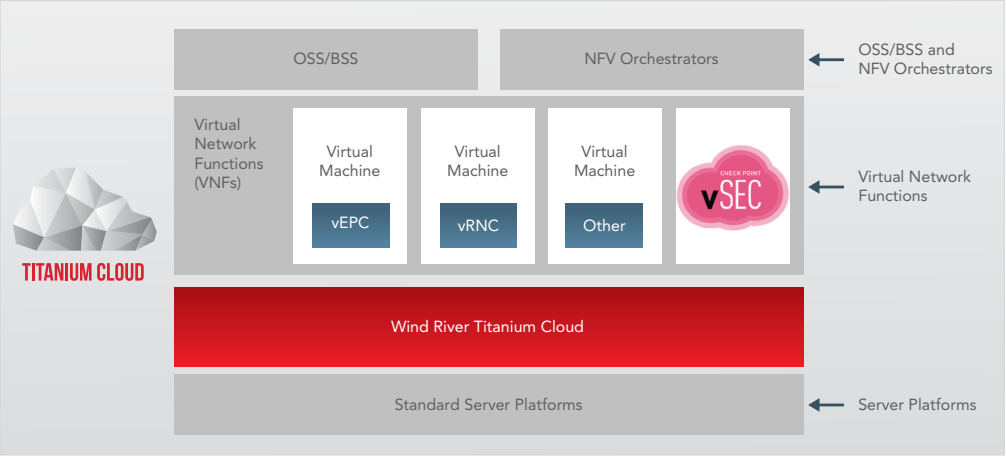

Figure 1: Titanium Cloud components with Check Point vSEC for NFV

MORE INFORMATION

Detailed technical information about Check Point can be found at www.checkpoint.com.

Additional information about the Check Point vSEC cloud security can be found at www.checkpoint.com/products-solutions/private-public-cloud/.

Detailed technical information about Wind River Titanium Cloud can be found at www.windriver.com/products/titanium-server.

Additional information about the Titanium Cloud ecosystem can be found at www.windriver.com/announces/titanium_cloud_partner_program.

CHECK POINT: VSEC FOR NFV CLOUD SECURITY

Check Point vSEC for NFV is an advanced threat prevention solution allowing CSPs to offer cyberthreat protection services using a VNF hosted within the provider's NFV platform. vSEC for NFV protects a CSP's network and customers from cyberthreats using industry-leading, zero-day protection including award-winning SandBlast sandboxing technology and Smart Center management. The Check Point vSEC for NFV offering includes advanced multilayer threat prevention with a comprehensive management platform and automation, as well as logging and reporting capabilities.

WIND RIVER: TITANIUM CLOUD

As the industry's first fully integrated and feature-complete NFV software platform, Titanium Cloud enables an NFV infrastructure to achieve the ultra-reliability and high performance mandated for telecom networks. It delivers six nines (99.9999%) reliability, in contrast to the three nines of virtualized platforms based on common enterprise software. Combining open source and open industry standards with required carrier grade extensions, Titanium Cloud is the only commercial server solution enabling service providers to maintain the rigorous uptime required as networks transition to a virtualized infrastructure. With Titanium Cloud, service providers can now meet the "always on" expectations of consumers.

SUMMARY

The Check Point and Wind River partnership enables service providers to leverage NFV without sacrificing the security, reliability, and performance of hardware-based security solutions. By collaborating with Wind River through the Titanium Cloud ecosystem to provide interoperable security services, Check Point extends the industry-leading threat prevention and advanced security benefits of vSEC to the next generation of CSP networks.

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Wind River is a global leader in delivering software for the Internet of Things. The company's technology is found in more than 2 billion devices, backed by world-class professional services and customer support. Wind River delivers the software and expertise that enable the innovation and deployment of safe, secure, and reliable intelligent systems.