



Comprehensive and Adaptive Virtual Network Security

Virtual Network Services – Security with Check Point

verizon

The rapid adoption of virtualization technologies in provider and customer cloud networks delivers flexibility and agility offering potential cost efficiency benefits. At the same time, virtualization has introduced complexity that exposes the network to a new set of evolving risks and challenges. Network security needs are constantly evolving, and managing advancing threat risk can be both complex and costly. At the same time, cyber-attacks often go from breach to compromise in just minutes. With Virtual Network Services - Security from Verizon and Check Point, you can easily embrace virtualization and mitigate risk of threats, while controlling costs and responding quickly to changing business needs.

Network trends and challenges.

The growth and popularity of network virtualization continues to drive more data beyond traditional IT security protections - into cloud environments no longer owned, managed or controlled by corporate IT. On - premise IT security controls do not typically touch cloud networks, leaving customer data at risk from the same types of threats that target assets and applications in corporate data centers. What's more, malware introduced into the cloud can easily propagate among VMs, attack virtual segments or even ride unimpeded over VPN links back to corporate networks.

Traditional security solutions, however, don't easily extend nor were they really built for the elastic and dynamic nature of the cloud. Add to this a general lack of knowledge of cloud security technology in a typical enterprise and you have provided a window of opportunity for motivated attackers.

Verizon Virtual Network Services - Security with Check Point delivers comprehensive security designed to protect dynamic network environments, allowing businesses to confidently extend their data center applications and workflows across the network and connect to them securely.

Adaptive security for Verizon Virtual Network Services.

Verizon and Check Point have jointly developed a solution which delivers a rich experience for customers

seeking to easily extend advanced security protections to their Verizon Virtual Network Services environments. Seamlessly integrated with Verizon's network, and delivered as a fully managed service, Virtual Network Services - Security with Check Point provides reliable connectivity to public and hybrid cloud assets while protecting applications and data with leading threat prevention.

Additionally, Virtual Network Services - Security with Check Point simplifies security management and policy enforcement across private, hybrid, and public cloud networks. As a result, IT organizations can achieve an advanced security posture that moves with Virtual Applications as they migrate from data centers to Verizon Virtual Network Service environments.

Integrated visibility and control.

Virtual Network Services - Security with Check Point gives businesses the confidence to securely extend their data center resources and workloads to public clouds, helping:

- Protect against security breaches and malware in the public cloud that may lead to private cloud / data center breaches.
- Unify security management, visibility, and reporting across both private and public cloud networks.
- Automate workflows and orchestration which can reduce configuration errors.

- Reduce the risk of associated with business disruptions and downtime associated with security threats
- Migrate sensitive workloads, applications and data to the public cloud with confidence.

Comprehensive security protections.

Virtual Network Services - Security with Check Point provides leading threat prevention technology to help protect enterprise cloud networks from even the most sophisticated attacks. Fully integrated security protections include:

- Firewall, Intrusion Prevention System (IPS), Antivirus, and Anti - Bot technology helps protect services in the cloud from unauthorized access and prevent attacks.
- IPSec VPN provides secure connectivity over a dedicated and encrypted tunnel between Verizon VNS and customer premise networks.
- Remote Access allows remote users to connect to Microsoft Azure clouds using an SSL encrypted connection with two - factor authentication and device pairing.
- SandBlast Zero - Day Protection sandbox technology offers deep inspection to help you deliver the most advanced protection against malware and zero - day attacks.

Configuring the network to redirect traffic to Virtual Network Services - Security with Check Point for inspection can also help protect against lateral threats internal to the cloud network.

Context Aware Security Policies.

The integration with Verizon Virtual Network Services enables network context sharing with Check Point, allowing information like security groups and tags to be imported and reused within Check Point security policies. This reduces security policy creation time from minutes to seconds. Real - time context sharing of security groups is maintained so that any changes or new additions are automatically tracked without the need for administrator intervention.

Centralized Visibility and Control.

Virtual Network Services - Security with Check Point provides simplified and centralized security management across cloud and customer premise environments. Customers can manage the solution using their existing Check Point Unified Security Management Solutions.

In addition, Check Point enables customers to enforce consistent security policies across both virtual and physical, on - premise and cloud infrastructures all from a single console.

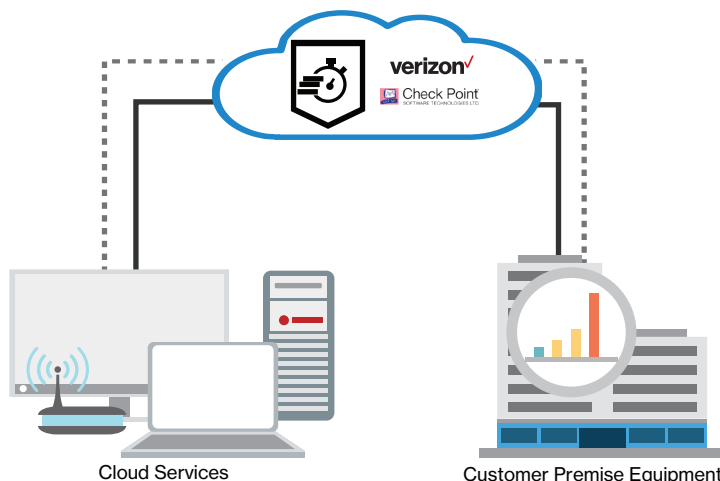
Consolidated logs and reporting.

With Virtual Network Services - Security with Check Point you get comprehensive threat visibility and enforcement across your physical and cloud infrastructures. Check Point SmartEvents software consolidates all security monitoring, logging, and reporting across cloud and on - premise networks. SmartEvent logs can also be exported to 3rd party SIEM platforms.

Security reports specific to cloud workload traffic can be generated to track security compliance across hybrid cloud networks, simplifying reporting and auditing while helping to address compliance with security requirements. With all aspects of security management such as policy management, logging, monitoring, event analysis, and reporting centralized from a single dashboard in the Verizon Enterprise Center, administrators get a holistic view of their security posture across the entire organization.

Rapid and Flexible Deployment.

Security provisioning and management is a significant challenge for the cloud. With Virtual Network Services - Security with Check Point rapid provisioning you can simply and affordably extend security to your Verizon Virtual Network Services environment and cloud network. Additionally, customers can quickly customize security protections to their specific business needs using Check Point Advanced Threat Prevention technology. Service Orchestration expedites delivery of new virtual network resources and enables centralized management through robust self - service tools, so even global policy and service changes are implemented quickly and efficiently.



Check Point – A recognized industry leader.

Today's enterprise networks are more complex than ever. Cloud computing, floods of connected devices and highly mobile workforces put pressure on security teams to keep networks and data protected. At the same time, the tools and techniques used by cybercriminals to target enterprise data continue to rapidly evolve.

Check Point's robust security heritage, along with its leading security management platform, represents one of the most comprehensive and innovative threat prevention portfolios in today's market.

The Verizon advantage.

As your one - stop shop for managed Virtual Network Services, Verizon makes it easy to get the agility, flexibility and performance you need from your network. Verizon is a leader in providing networking, security and cloud solutions and we deliver game - changing virtualization for the modern, hyper - connected world. With experience managing more than 400,000 security, network and hosting devices, and over 4,000 customer networks in 150+ countries, you can be confident in Verizon's ability to deliver the end-to-end managed services you need.

Learn more.

Find out how you can deploy and manage a more efficient, intelligent network with Virtual Network Services. Contact your account representative today or visit <http://verizonenterprise.com/checkpoint-nfv>.