

# 5nine Cloud Security for Hyper-V

## #1 Agentless security and compliance solution for Hyper-V

### Summary

5nine Cloud Security for Hyper-V is the first and only agentless security and compliance solution built specifically for Microsoft Hyper-V.

#### **5nine Cloud Security allows enterprises and cloud providers to:**

- Secure multi-tenant Hyper-V environment and provide VM isolation
- Protect Hyper-V with fast, agentless antivirus now with real-time antimalware detection
- Enforce security compliance
- And more

5nine Cloud Security provides multi-layered protection with integrated firewall, antivirus and IDS in one package.

Agentless firewall provides complete traffic control and isolation between VMs.

Agentless antivirus performs incremental **scans up to 70 times faster** than competitors do. The solution also provides intrusion detection capabilities that allow proactive detection of malicious attacks.

### Why you need 5nine Cloud Security

Datacenters and hosting environments have unique challenges and business models that require a new approach to security.

Traditional agent-based anti-malware, intrusion detection and firewall security solutions, built for physical environments, do not protect against new levels of risk and exposure in the virtualized world.

These solutions offer some protection, but only when a copy, or agent, of software is installed on each virtual machine (VM) — that consumes valuable Hyper-V resources, impedes performance and drives up IT admin costs.

5nine Cloud Security for Hyper-V provides the first and only agentless approach that delivers the complete security required for protection and compliance, and is the only solution built specifically to support Microsoft's cloud and virtualization platform.

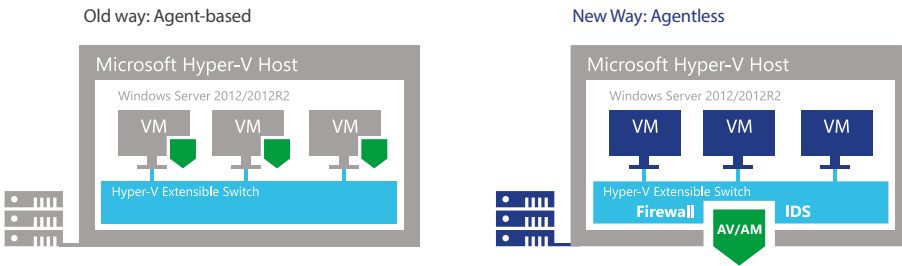
### Key Points:

- 1. Built exclusively for Hyper-V**  
Offers additional layer of security and compliance, by leveraging Hyper-V Extensible Switch and Windows filtering extensions
- 2. Multi-layered Hyper-V Protection**  
Antivirus/anti-malware and Kernel Mode Virtual Firewall give you multi-layered Hyper-V Security, for complete protection and full compliance
- 3. Reduce IT administration headaches**  
The powerful, easy-to-use intelligent management console centralizes policies, rules and filters, and eliminates the need to manage and update multiple agents and signature databases – which reduces IT administration headaches
- 4. Maximize Return on Investment (ROI)**  
With a low footprint and agentless approach that maximizes consolidation ratios and VM density, this solution won't cause performance and resource degradation, and will maximize ROI on Hyper-V investments
- 5. Choice of Antivirus Engines:**



# Product Description

5nine Cloud Security for Hyper-V is the most comprehensive offering, delivering easy-to-use, powerful multi-layered protection, with real-time, agentless monitoring across multiple hosts and virtual machines.



## Antivirus/Antimalware

Antivirus detects and blocks malicious activities and improves security of the Hyper-V virtualized environment without antivirus storms and performance bottlenecks:

- Minimal performance degradation via agentless architecture
- Fast incremental scans
- Orchestrated scans and performance thresholds set across VMs
- Staggered scanning for optimal performance
- Real-time AV protection with real-time antimalware detection

## Virtual Firewall

Virtual firewall controls traffic between multiple virtual machines, and with external networks. It vastly simplifies the deployment and management of multiple guest operating systems utilizing the extensibility of the Hyper-V virtual switch.

5nine Cloud Security includes full Kernel mode capabilities:

- MAC address and broadcast filtering
- ARP rules
- SPI (stateful packet inspection)
- Packet inspection/network traffic anomaly analysis
- Inbound and outbound per-VM QoS/bandwidth throttling

## Centralized intelligent management console

Intelligent management console provides centralized management and control of security and compliance:

- Powerful, agentless architecture virtually eliminates IT administration
- Centralized management console delivers simple administration of policies, rules, filters and logs
- Full auditing capabilities for easy compliance

## Intrusion Detection System (IDS)

Intrusion Detection System (IDS) identifies network traffic anomalies caused by vulnerabilities, including application-level threats:

- Protects against malicious activities, including DDoS, XSS (cross-site scripting), and more
- Captures network traffic and alerts on suspicious activities
- Provides deep application level protection

## Learn More about 5nine Cloud Security for Hyper-V

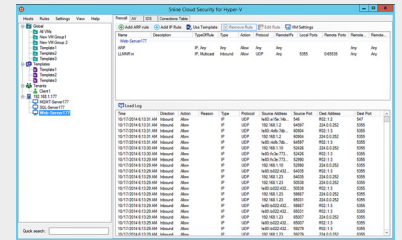
<http://www.5nine.com/cloudsecurity>

*"Use of 5nine Cloud Security for Hyper-V helped us to prevent malicious attempts to hack SQL server port allowing by IP-only access to that port for SQL VPS thus blocking all outside exploits. SQL servers are hosted for our customers on Windows Server/Hyper-V Platform."*



Michael Davidson  
CEO MobileTech.com

## Screenshot



## System Requirements:

### Supported Operating Systems:

Microsoft Windows Server:

- Windows Server 2012 R2
- Windows Server 2012 R2 Core
- Windows Server 2012
- Windows Server 2012 Core

Microsoft Hyper-V Server:

- Hyper-V Server 2012 R2
- Hyper-V Server 2012

### Prerequisites:

.NET Framework 4.5



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