



Nexus 1000V Portfolio: Spring '11 Public Webinar Series: Q&A

SESSION 3 (Technical Track): **Virtual Security Gateway (VSG) Technical Overview**

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This Q&A supports one session in a series of Webinars offered to our customers and partners in the spring of 2011. The session covered in this Q&A is highlighted in yellow below:

Track	Date	Session Title
Business	22-Mar	Nexus 1000V/1010 Overview and Update
Business	5-Apr	Virtual Network Services: Security (VSG), Appl. Acceleration (vWAAS), Monitoring (NAM)
Business	19-Apr	Virtual Security Gateway (VSG) Overview
Business	3-May	Journey to the Cloud w/ N1KV: vCloud Director & Long Distance vMotion
Business	17-May	Secure Virtual Desktop with Nexus 1000V & VSG
Technical	29-Mar	Nexus 1000V v1.4 New Features and Installation/Upgrade Overview
Technical	12-Apr	Nexus 1010 Deployment & Best Practices
Technical	26-Apr	Virtual Security Gateway (VSG) Technical Overview
Technical	10-May	Nexus 1000V Advanced Configuration
Technical	24-May	Nexus 1000V Troubleshooting

QUESTION	ANSWER
How are packet level violations handled?	Packet level violations are handled in vPath which resides in the VEM/hypervisor.
If only the 1st packet passes the VSG, does this mean the VSG is not able to check on higher level protocol errors that happen somewhere in the flow, like the ASA does?	State of the flow is enforced within vPath (VEM/hypervisor).
Is it possible to make traffic manipulations (NAT) like on other firewall solutions?	NAT is planned for a future release.
What happens when both the VSGs fail for a tenant when protection is enabled?	You can either fail open or fail closed when enabling the firewall. All the new connections will either be allowed or dropped depending on the setting.
Can a VM be part of two zones at the same time?	Yes, these zones are all logical. A VM can be part of two zones as long as it matches the criteria of attribute matching for both. For example, a VM can be part of a HR zone and a Microsoft O/S zone at the same time.
Can we enable protection within a zone?	Yes, however, by default it is denied. You have to explicitly allow the communication within a zone.
How is a firewall enabled on a physical host?	It is enabled at the port-profile (port-group) level.