NEOXPacketRavenVirtual - Virtual Network TAP

100% NETWORK ACCESS IN VIRTUAL ENVIRONMENTS & CLOUD

Our Virtual Network TAPs (vTAPs) are designed to securely and reliably tap network data in virtual and cloud environments. With the increase in the use of virtual, cloud-based and hybrid environments in the enterprise space, there has also been an increase in the number of blind spots on the network that make a much-needed, 100 per cent view of network traffic impossible. But without visibility into your East-West traffic, how do you know if danger is currently looming or that you haven't already been compromised?

NEOXPacketRavenVirtual is a Virtual Network TAP and provides physical and virtual security and monitoring tools with complete network visibility in virtualised private, public and hybrid cloud environments.
Simply installed using a Debain package, you immediately get full visibility of virtual machine (VM) traffic (including traffic between VMs) for monitoring security, availability and performance in native Linux systems and cloud environments without impacting performance or architectures and without having to make any changes to your network infrastructure..

The often used and already existing (virtual) SPAN/Mirror port is unsuitable for professional purposes, as it lacks some important features that the TAP offers. While with port mirroring the entire data traffic to be mirrored is sent to all destinations (security/monitoring tools), with the virtual NEOX TAP a much more granular, such as an n:1 (aggregation) or a 1:n (regeneration) allocation is possible.

Furthermore, with the TAP it is also possible to mirror the traffic per direction, i.e. the incoming, the outgoing or the complete network traffic. Furthermore, the NEOX-TAP offers the possibility to connect to physical devices via GRE/VxLAN tunneling, which is difficult or impossible with port mirroring.

Another feature is the use of stateful filtering (connection-oriented filtering) to copy out only the data that is relevant and to relieve the connected tools. Filter criteria on OSI layers 2-4 are supported.
And last but not least, there is the danger that cloud providers can restrict mirrored port mirror traffic according to their terms and conditions. This would result in partial or even total loss of network transparency.

Therefore, our Virtual Network TAPs guarantee a reliable network analysis or security investigation without compromise. With PacketRavenVirtual Network TAPs you get permanent network access without risk and provide e.g. your monitoring tools with 100% reliable network data.

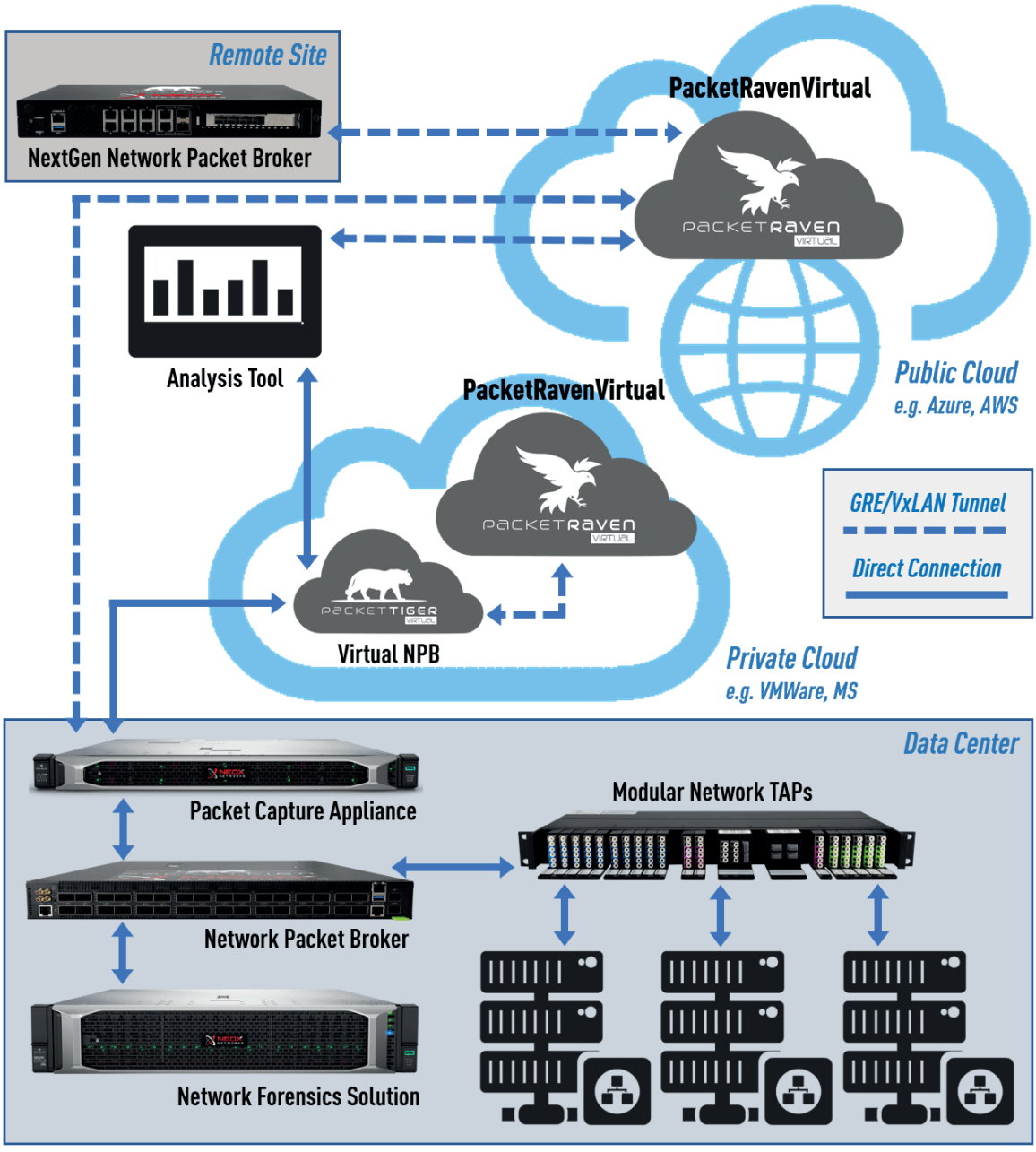
- Full network transparency
- No impairment of of data traffic
- 100% network data
- For different environments
- Unrestricted network speed
- Flexible deployable
- Alternative to virtual port mirroring
- Easy to install & configure
- GRE/VxLAN Tunneling
- OSI Layer 2-4 Stateful Filtering
- Aggregation n:1
- Regeneration/Replication 1:n
- Trial version available
- Developed & programmed in Germany

// NEOX**PacketRaven**

HIGHLIGHTS

Available for various environments: Linux OS, Azure Cloud, Google Cloud, AWS, VMWare, Docker, etc.
No limitation by network speed
More reliable alternative to virtual port mirroring
OSI layer 2-4 stateful filtering (connection-oriented filtering) possible
Multiple GRE/VxLAN tunnels possible
Supports aggregation and regeneration mode (n:1 and 1:n)
Easy to install (Debian package, Docker image) and intuitive to configure
Programmed, developed and tested in Germany

USE CASES



NEOX NETWORKS GmbH
Monzastr. 4 · 63225 Langen · Germany
+49 6103 / 37 215 910
solutions@neox-networks.com
www.neox-networks.com

// NEOX**PacketRaven**

Strengthening security defenses

Several malware variants have been optimized for use in virtual environments and Virtual TAPs are the best defense against costly cyber threats in virtual environments. They allow security risks to be detected remotely.
Without visibility into your East-West traffic, you can't know if you haven't already been compromised?

Reduce performance issues

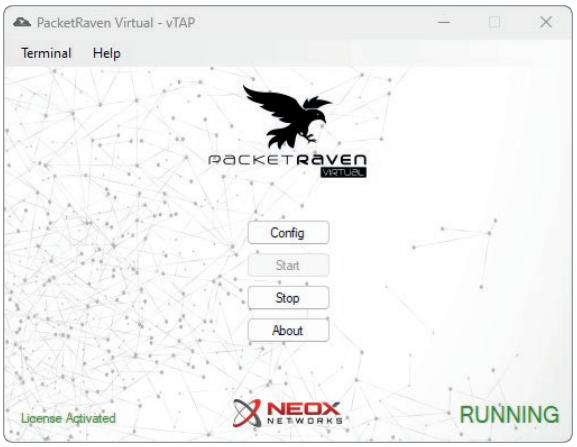
Network and data center outages can be costly and sometimes existentially threatening. Virtual TAPs give you access to performance data in your virtual data center.
Virtual data TAPs give you the visibility you need to perform trend analysis, avoid potential component problems, and troubleshoot operational issues.

Consolidate compliance initiatives

Many organizations need visibility into virtual environments to comply with service level agreements (SLAs) and other industry regulations (e.g., HIPAA in healthcare, PCI-DSS for financial card transactions, SOX in the enterprise).
By collecting data from your virtual data center and exporting it to your existing compliance tools, you have complete network visibility when combined with physical data center data, and you can also prove that visibility during a compliance audit.

TECHNICAL SPECIFICATIONS	
Supported Cloud Platforms (Public)	Azure Cloud, Google Cloud, Amazon Web Services (AWS)
Supported Virtualization Platforms (Private)	VMWare, Docker, Hyper-V, KVM
Supported Operating Systems	Linux OS, kernel 4.2 or higher
Installation Type	Docker-Image, Debian-Package

LICENSE TYPES	
ITEM NO.	**DESCRIPTION**
PRV-SUB-1Y	Virtual NEOX Network TAP with 1 year subscription including software maintenance and technical support
PRV-SUB-3Y	Virtual NEOX Network TAP with 3 years subscription including software maintenance and technical support
PRV-SUB-5Y	Virtual NEOX Network TAP with 5 years subscription including software maintenance and technical support



NEOX NETWORKS GmbH
Monzastr. 4 · 63225 Langen · Germany
+49 6103 / 37 215 910
solutions@neox-networks.com
www.neox-networks.com