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LANCOM pushing network function virtualization:

Virtual VPN router for versatile WAN connections in conventional networks and Cloud scenarios

Aachen, May 31, 2017—LANCOM Systems, the leading German manufacturer of networking solutions for business customers and the public sector, is expanding its VPN portfolio with a software-based router for operation directly in virtualized server environments. The LANCOM vRouter is LANCOM's first VPN router/gateway solution that operates in conventional networks as well as in Cloud environments.

LANCOM's introduction of the LANCOM vRouter rigorously drives forward the virtualization of network functions and enables companies to establish high-performance WAN infrastructures that are versatile, space-saving, and easy on resources.

With the help of the LANCOM vRouter, companies can quickly and flexibly set up new WAN connections without having to buy and roll-out dedicated router hardware. The LANCOM vRouter implements the virtualization of central network functions (Network Function Virtualization / NFV). It operates as a decentralized router or central-site gateway in conventional enterprise networks, and also as an end point for secure VPN tunnels in Public and Private Cloud applications.

The top model LANCOM vRouter provides the maximum performance of the underlying virtualization platform and offers up to 1,000 VPN IPsec tunnels along with an encryption performance of more than 3,000 Mbps. This makes the LANCOM virtual router a highly attractive routing/gateway solution for networks of any scale, including enterprise networks. The entry-level and mid-

range versions act as access routers to Private Cloud instances in virtualized data centers, for example, or in conventional customer data centers.

Seamless integration into LANCOM infrastructures
The LANCOM vRouter offers a similar range of functions to LANCOM hardware routers and employs the tried-and-trusted LANCOM operating system LCOS (LANCOM Operating System). As a closed-source operating system, it provides all-round protection and comes with the LANCOM "No Backdoors" guarantee. In terms of configuration and user operation, the LANCOM vRouter is identical to conventional LANCOM hardware components and seamlessly integrates into existing LANCOM infrastructures.

In the form of a virtual device, a LANCOM vRouter is provisioned and ready for operation within seconds and a few mouse clicks. It can be created automatically anywhere in the world, without having to ship or install any hardware.

Fully automated VPN setup with SD-WAN
In addition to the classic LANCOM LANtools, the LANCOM vRouter supports management via the LANCOM Management Cloud, which enables the highly automated configuration of secure IPsec VPN connections based on software-defined WAN (SD-WAN). Site connectivity, even with virtualized networks (VLANs), is set up quickly and easily in the shortest possible time. The formerly laborious configuration of individual tunnel endpoints is no longer required at all.

The LANCOM vRouter offers the very latest security functions, including IPSec-VPN based on IKEv2, elliptic curves, and AES-GCM for IPv4 and IPv6 networks. This allows sites to be networked without the risk of interception, mobile workers can be securely integrated into networks, and company-internal data can be protected. The quality mark "IT Security Made in Germany"

together with the router's guaranteed freedom from backdoors offer additional security.

The first version of the vRouter supports Hypervisor VMware ESXi, while other platforms are in preparation.

The LANCOM vRouter is now available in four versions as vRouter 50, 250, 1,000 and unlimited (Mbps). Each instance supports between 5 and 1,000 VPN tunnels, depending on the version. The 1-year license for the smallest vRouter, the vRouter 50, is available for EUR 389 (excl. VAT), the 1-year license for the top-model vRouter Unlimited is EUR 4,990 (excl. VAT). All of the versions of the LANCOM vRouter support up to five configurable Ethernet ports.

Depending on the version, the LANCOM vRouter is capable of virtualizing up to 256 IP contexts (ARF). This makes it possible to operate all IP applications via one central router.

The LANCOM vRouter and a 30-day demo license are available for download from the following website:
https://www.lancom.eu/vrouter

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LANCOM Systems background:

LANCOM Systems GmbH is the leading German manufacturer of networking solutions for business customers and the public sector. LANCOM offers professional users secure, reliable and future-proof infrastructure solutions for local-area and multi-site networks (WAN, LAN, WLAN), as well as centralized network management based on software-defined networking technologies (SD-WAN, SD-LAN, SD-WLAN). The LANCOM routers, gateways and WLAN solutions are developed and manufactured in Germany, and a selection of the VPN portfolio is certified by the German Federal Office for Information Security (BSI) for the protection of particularly sensitive networks and critical infrastructures (EPCIP). LANCOM Systems has its headquarters in Würselen near Aachen, Germany. Customers include small and medium-sized enterprises, government agencies, institutions, and major corporations from Germany, Europe and, increasingly, worldwide. .

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