Lanner

Accelerating IPv6 Transition with Virtual CGNAT Router

netElastic systems

eps

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With the sudden rapid growth of Work from Home, Remote Education, and Telemedicine, demand for scarce IPv4 addresses has exploded, but the dwindling unowned addresses are often very expensive and frequently polluted as they were once used by spammers or other blacklisted entities. And because there are so many IPv4-only speaking CPE and websites, a wholesale move to IPv6 is not yet practical.

A white box CGNAT router is an inexpensive way to share IPv4 addresses a Broadband Service Provider already has. Based upon well-known Network Address Translation (NAT) techniques, Lanner partners with netElastic to build a virtual CGNAT router that amplifies your available network address space, provides critical logging capabilities and has all the gateway services that differentiate CGNAT from vanilla NAT.
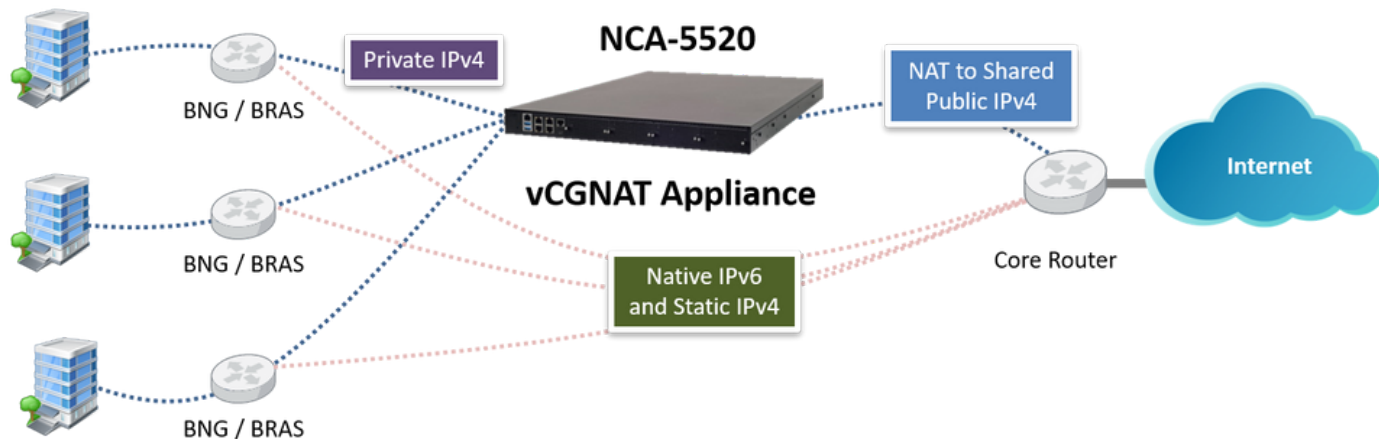
Based on netElastic's vRouter technology, Lanner NCA-5520 can support up to 4 million sessions in a single appliance instance or Virtual Machine.

WHITEBOX SOLUTIONS™

Lanner NCA-5520 Product Features

- 2nd Gen Intel® Xeon® Processor Scalable Family (Codenamed Cascade Lake)
- 4x GbE RJ45 or 4x 10G SFP+, 4x NIC Module Slots
- 10x 288pin DDR4 2933/2666/2400/2133 MHz REG DIMM (By CPU), Max. 320GB
- 1x RJ45 Console and 1x Mini USB Console, 1x RJ45 for IPMI, 2x USB 3.0
- Intel® QuickAssist Technology (By SKU)
- 650W 1+1 Redundant PSUs, 4x Swappable Fans
- 2x 2.5" Internal Drive Bays

netElastic GCNAT Features

NAT44 / 444	• Extend IPv4 addressing capacity • Works with NAT CPE (444)
Carrier Grade	• Dependable line-rate speeds even with QoS, ACLs, and small packets • Application Layer Gateway support • Endpoint independent mapping / filtering • Supports multiple High Availability modes
Virtual	• Runs on cost effective appliances • Easy to install and configure • Easy to upgrade • Inexpensive sparing
4M Sessions	• Support tens of thousands of subscribers per instance (CPU Socket or VM) • Add sockets, VMs, or servers to scale out • Extend your IPv4 resource pool
Robust logging	• Support local or offline (Syslog) NAT logging for CALEA or other purposes

Ordering Information   Order online: www.whiteboxsolution.shop

Lanner EPS netElastic CGNAT Bundle (EPS-NE-CGNAT-01)			
Manufacturer	Part Number	Description	Qty
Lanner	L-5520C-12C-32R-512-US	VRTR-40, BNG, CGNAT (4x10G). Best for 20 or 40G	1
netElastic	VRTR-20	vRouter Software and License for 2x 10GbE interfaces. Perpetual License.	1
netElastic	SUP-VRTR-20	Support and Software Updates (per additional year)	1
netElastic	LIC-CGN	CGNAT License. Enables CGNAT features on vRouter. Perpetual License.	1
netElastic	LIC-BNG-MGR	BNG Manager. Web based management, visability, and troubleshooting.	1

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