ZCorum™

Carrier Grade NAT

Get Affordable and Robust IPv4 Conservation with our CGNAT Software

The cost of IPv4 addresses continues to rise. You have two choices. Buy more addresses as you grow your subscriber base, or deploy carrier Grade NAT (CGNAT). Hardware-based CGNAT solutions can be expensive. Our software-based solution is more flexible and economical.

Gain Valuable Time to Plan by Conserving IPv4 Addresses

Preserve Your Investment in IPv4 While Planning for IPv6

Our solution allows service providers to extend the lifetime of their current IPv4 infrastructure while also planning for transitions to newer IPv6 infrastructure.

Flexible and Easily-scalable Licensing as you Grow

Perfect for small to mid-sized operators where proprietary hardware is too costly. Pooled licensing also allows you to distribute your CGNAT license among multiple points of presence.

Carrier-grade Performance with a Low Cost of Ownership

Software can be deployed on standard server technology to reduce complexity and cost.

If you are running low on IPv4 addresses you have two choices. You can buy more addresses in the resale market, but the cost of IPv4 blocks continue to rise as demand grows. Plus, you have to wait for those new addresses to be routed by your backbone provider. It's not a good solution if your subscriber base continues to grow, which should be the goal of every service provider. IPv4 will be around a long time, and you will need a way for your subscribers to reach IPv4 sites even after your network is all IPv6.

A second choice is to invest in Carrier Grade NAT (CGNAT) to conserve the IPv4 addresses you have. Up until now, implementing CGNAT was costly and complicated. That's because CGNAT solutions based on proprietary solutions that are often priced out of reach for small to midsized operators.

ZCorum offers an affordable, software-based CGNAT solution that we license that can be deployed on standard X86 hardware. We'll help you size the hardware you will need based on your current and anticipated throughput, and we'll review your network to help determine where the devices should reside.

ZCorum™

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CGNAT Technical Specifications

Modes
- NAT44
- NAT64

Routing
- Static routing
- BGP
- OSPF
- IS-IS
- RIP

OAM
- CLI
- SNMP
- Performance Monitoring and Statistics

Logging
- Syslog
- NetFlow
- IPFIX
- RADIUS

Mapping and Filtering
- EIM/EIF
- Address Dependent Filtering
- Address and Port Dependent Filtering

Other NAT Features
- Hair Pinning
- Paired Pooling
- Port Block Allocation (PBA)
- Port Control Protocol
- Access Control Lists (ACL)

Interface Management
- Link Aggregation Control Protocol (LACP)
- VLAN support

Advanced Logging Features
- Deterministic NAT
- Port Block Allocation (PBA)

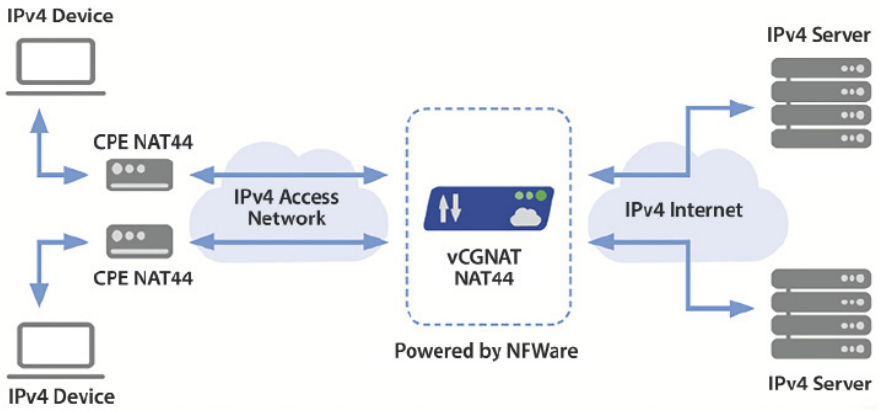
Application Layer Gateways
- FTP
- DNS
- PPTP
- IPSec
- SIP
- RTSP

Hypervisor Compatibility
- KVM

Cloud
- OpenStack Integration
- 3rd Party Commercial NFVI and MANO Integration

High Availability
- Active – Standby

AAA
- TACACS+



FEATURES:

- **Full logging capability for LEA requirements**
- **Application Layer Gateways (ALGs) to ensure subscriber applications continue to function**
- **High-availability through Active- Standby mode**