

Get Affordable and Robust IPv4 Conservation with our CGNAT Appliance

The Regional Internet Registries are out of IPv4 addresses, which is putting the squeeze on a lot of operators. Fortunately, there is now a low cost, managed CGNAT solution that will conserve your IPv4 addresses, giving you the time you need to plan your IPv6 strategy.

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 hardware are often priced out of reach for small to mid-sized operators.

ZCorum now offers a CGNAT appliance based on affordable software that we license and deploy on standard X86 hardware. We size the hardware based on your current and anticipated throughput, and we review your network to determine where the devices should reside.

FEATURES:

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

- Preserve your investment in IPv4-based infrastructure while planning for IPv6
- Perfect for small to mid-sized operators where proprietary equipment is too costly
- Flexible and easily-scalable licensing as you grow
- Carrier-grade performance with a low cost of ownership
- Software is deployed on standard server technology to reduce complexity and cost



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CGNAT Technical Specifications

Modes

- NAT44

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

Interface Management

- Link Aggregation Control Protocol (LACP)
- VLAN support

High Availability

- Active – Standby

AAA

- TACACS+

Application Layer Gateways

- FTP
- DNS
- PPTP
- IPSec
- SIP
- RTSP

Hypervisor Compatibility

- KVM
- ESXi

Cloud

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

