

netElastic

Software Networking Boosts Rocket Fibre UK To New Performance Standards

- **The Time Is Now For Upgrading Networks**
- **80% Reduction In OPEX, 90% Reduction In CAPEX**
- **Buy Performance, Not Logos**



Rocket Fibre

Rocket Fibre, a rapidly growing UK-based ISP founded during the first lockdown, has successfully scaled to serve 14,000–15,000 subscribers while expanding its wholesale operations into key European cities, including Amsterdam, Paris, and Milan. Facing persistent challenges with previous BNG solutions from MikroTik and Juniper solutions, Rocket Fibre transitioned to netElastic's integrated networking platform featuring virtual Broadband Network Gateway (vBNG), Carrier Grade Network Network Address Translation (CGNAT), and netVision monitoring application.

Running on standard x86 Dell PowerEdge XR11 telco servers with 100G capacity, the platform delivers subscriber management, CGNAT, and centralized GUI-based management, providing a scalable and reliable foundation for both B2C growth and B2B point-to-point/transit services.

The netElastic deployment has delivered exceptional results, including over 80% power savings, with three servers now consuming under 1Kw total compared to 8Kw for the prior Juniper setup, and capital cost reductions to approximately 10% of the Juniper MX960 equivalent. Rocket Fibre is running three netElastic networking platforms in each location for redundancy.

Tom Sanders, Managing Director, highlights the solution's ease of implementation with a familiar Cisco/Juniper-like CLI, "sit and forget" reliability that minimizes monitoring, and the intuitive netVision GUI that empowers technicians with graphical health, performance, and capacity statistics—no third-party tools required.

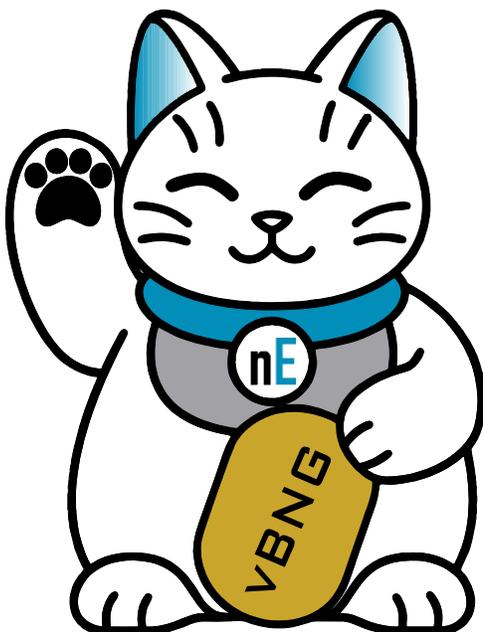


Critically, netElastic CGNAT has resolved gaming and hairpin problems tied to strict NAT settings, enabling efficient IPv4 address usage via single-IP/dual-stack support. Rocket Fibre now plans to deploy netElastic in additional locations to fuel ongoing expansion, positioning it as an ideal "ISP in a box" partner for service providers seeking performance, stability, and dramatic cost efficiencies over legacy hardware.

100G netElastic BNGs

Dell PowerEdge XR11 Telco Servers

- Subscriber Management
- CGNAT
- Centralized GUI-based Management
- Over 80% Power Savings versus Juniper MX960
- Increased Performance and Stability versus MikroTik CCR1036



Solving the IPv4 Problem

An ISP with 4,000 subscribers would need 4,000 Public IPs. Below are cost comparisons for purchasing/leasing IPv4 addresses vs. netElastic CGNAT

SOLUTION 1

BUY PUBLIC IP

 \$80K

The cost per IP grew substantially from \$20 to about \$35 in the past few years.

SOLUTION 2

LEASE PUBLIC IP

 \$59K

\$20,000 per year over 3 years. Most expensive in the long run.

SOLUTION 3

CGNAT SOLUTION

 \$22K

Total cost of CGNAT routers with 20G and 3 years support. Add \$8k for a /24

COST COMPARISON



References
[/https://auctions.ipv4.global/prior-sales](https://auctions.ipv4.global/prior-sales)
[/https://www.heficed.com/lease-ipv4/](https://www.heficed.com/lease-ipv4/)

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