



**VyOS**

The universal networking platform

# Function Office

**/** VYOS SUCCESS STORY

## **Empowering Non-Profits: The VyOS Journey of Function Office**

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## Overview

Steven Maddox, one of the directors and volunteers of Function Office, a non-profit organization, shares their journey with VyOS, a relationship that began in 2010 with Vyatta 6.1 and has continued with VyOS ever since. Function Office leverages VyOS to enhance the IT infrastructure of their Seaquake project, enabling them to provide no-cost IT services to other non-profits, community groups, and charities who receive help through their IT Outreach programme.

## Challenges

Function Office faced significant IT challenges, managing a complicated network with a very small budget and mostly using old, donated hardware. They needed a strong, adaptable, and affordable network solution that worked well with different types of commodity equipment, especially x86-based systems, to effectively support their charitable work. The solution had to be reliable enough to keep their services running smoothly without interruptions.

## Implementation

Deploying VyOS allowed Function Office to streamline network management and improve reliability significantly. VyOS provided extensive routing capabilities, firewall, and NAT functionality, vital for managing their data centers and virtual environments. Additionally, in just one instance of VyOS, they were able to cater both for groups that want a public IP directly and those that want to be behind a managed router or take resources on a multi-tenant server, using firewall rules and NAT. Proper firewall zones and zone policies are utilized to ensure that the external firewall rules are always followed, allowing features like hairpin NAT when needed.

These updates reflect the collective approach and specific operational details of Function Office, emphasizing your focus on community and adaptability in IT solutions.



### VyOS for Good Program

Function Office benefits from the "VyOS for Good" program, which provides VyOS for free to educational entities, non-profits, first responders, and recycling organizations. This program has been instrumental in allowing Function Office to access enterprise-level network features without the associated costs, aligning perfectly with their mission and operational model.



## Results

- **Enhanced Reliability:** VyOS has been highly reliable, handling network reboots and hardware transitions smoothly, which was crucial during unexpected technical challenges.
- **Cost Efficiency:** Utilizing VyOS under the VyOS for Good program has enabled Function Office to maximize the use of existing hardware and minimize costs, crucial for their operations as a non-profit.
- **Community and Development Support:** As an open-source platform based on Debian, VyOS allowed the Function Office team to benefit from both Enterprise and community support and ongoing development, ensuring access to the latest networking features.

## Customer Testimonial

Steven Maddox expressed satisfaction with VyOS, stating, "VyOS has been a cornerstone in helping us deliver uninterrupted services to not just our organization but also to the numerous non-profits we support. Its reliability, combined with the financial flexibility provided by the VyOS for Good program, has allowed us to extend our services without stretching our limited resources."

## Conclusion

VyOS and the VyOS for Good program have played a pivotal role in enabling Function Office to effectively manage their IT infrastructure. The flexibility and robustness of VyOS, coupled with the support from the VyOS for Good program, have enabled them to maintain high service levels and support their community-oriented missions, demonstrating that advanced technology can significantly enhance operational efficiency in non-profit settings.

