VyOS Networks

Empowering High-Performance Networks in Indonesia with VyOS

The Challenge

Telemedia Network Cakrawala (TNC), a fast growing network service provider in Indonesia, faced critical challenges in maintaining a stable, high-performance network infrastructure. Their existing solution struggled to handle 10G interfaces, support complex BGP routing, and ensure secure VPN connectivity. Stability issues, performance bottlenecks, and costly licensing fees from proprietary solutions made it imperative to seek an alternative that was both scalable and cost-effective.

Exploring Alternatives

Determined to find a better solution, Telemedia Network Cakrawala evaluated multiple options, including MikroTik, pfSense, and other open-source platforms. While these solutions offered certain features, they lacked the enterprise-grade routing capabilities and flexibility required for high-speed, complex networking. Additionally, proprietary solutions proved to be cost-prohibitive and introduced vendor lock-in, limiting future scalability.

After extensive research and testing, Telemedia Network Cakrawala found VyOS to be the ideal choice, thanks to its robust networking capabilities, open-source flexibility, and commercial support options.

Why VyOS?

VyOS stood out for several key reasons:

- **Enterprise-Grade Networking:** Full support for advanced BGP routing, VLAN management, and high-speed 10G interfaces.

- **Secure VPN Integration:** Seamless VPN connectivity with OpenVPN, WireGuard, and IPsec.

- **Cost Efficiency for TNC:** Eliminated expensive licensing fees while providing top-tier performance.

- **Open-Source Flexibility:** Allowed complete control over their network infrastructure, avoiding vendor lock-in.

- **Scalability and Stability:** Delivered uninterrupted network uptime and improved reliability for mission-critical operations.

The Solution & Benefits

By implementing VyOS, Telemedia Network Cakrawala transformed its network infrastructure, unlocking a range of benefits:

- **Improved Network Uptime:** Achieved 99.99% uptime, ensuring seamless connectivity for customers and partners.

- **High-Speed Routing & Performance:** Handled 10G interfaces with ease, eliminating congestion and improving throughput efficiency.

- **Secure & Stable VPN Connectivity:** Enabled secure remote access and inter-site connectivity with enhanced VPN performance.

- **Operational Cost Savings:** Reduced overall expenditures by replacing costly proprietary solutions with VyOS.

- **Seamless Integration:** VyOS's support for standard networking protocols made the deployment process smooth and efficient.

Future Plans with VyOS

Encouraged by VyOS's performance and reliability, Telemedia Network Cakrawala plans to further expand its deployment. The company is exploring VyOS as a VPN concentrator, leveraging OpenConnect for secure access, and integrating more automation tools to enhance network management efficiency. Additionally, they are looking forward to improved GUI management and real-time monitoring features to streamline operations further.

Conclusion

VyOS has proven to be a transformative solution for Telemedia Network Cakrawala, delivering a high-performance, scalable, and cost-effective networking solution. By embracing VyOS, they have not only improved their network reliability and security but also positioned themselves for future growth without the constraints of vendor lock-in. With VyOS at the core of their network, Telemedia Network Cakrawala continues to push the boundaries of connectivity and service excellence in Indonesia.

About TNC

Telemedia Network Cakrawala (TNC) is an Indonesian telecommunications provider specializing in internet services, network infrastructure, and managed IT solutions. They offer high-speed connectivity, data center services, and enterprise network solutions to businesses across Indonesia. With a focus on reliability and innovation, TNC supports digital transformation through robust and scalable network solutions.