



RIEPERT IT BUILDS A RESILIENT 100G NETWORK WITH IP INFUSION AND EPS GLOBAL

Austrian ISP strategically upgrades to a disaggregated open networking solution to enhance customer service and drive innovation

Executive Brief

Riepert IT, a fast-growing Austrian ISP, has transformed its backbone from 10G to 100G, ensuring ample capacity and new service capabilities – all powered by a disaggregated open networking solution from IP Infusion and EPS Global.

The core of this transformation is IP Infusion's OcNOS® SP (Open Compute Network Operating System) running on UfiSpace whitebox routers. This software-defined solution was delivered as a turnkey package by EPS Global, who provided the multi-vendor expertise to de-risk the transition. This delivers a highly scalable, cost-effective, and feature-rich 100G network that positions Riepert IT as a leader in its market.

Challenges

To maintain its commitment to service excellence, Riepert IT initiated a strategic enhancement of its network infrastructure. The existing 10G backbone, based on MikroTik solutions, had served the company well but was not architected for the advanced features and massive scalability required for the next decade. Furthermore, when evaluating traditional networking vendors, Riepert IT found their complex and costly licensing models to be a barrier to innovation and financial predictability.

The Solution: A Shift to Open Networking

Riepert IT selected a disaggregated solution powered by IP Infusion's OcNOS, a carrier-grade network operating system known for its robust feature set and stability. The solution combines the power of OcNOS

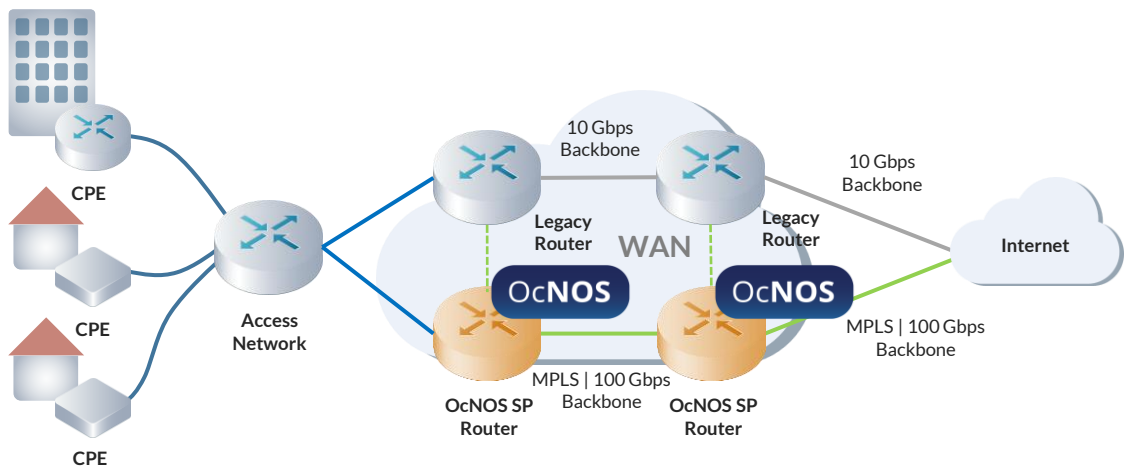
with UfiSpace S9510-28DC 25/100/400G whitebox routers, creating a full-featured and cost-effective routing platform. The entire project was facilitated by EPS Global, who provided crucial pre-deployment support, logistics, and multi-vendor integration, delivering a seamless, turnkey solution.

Key OcNOS Advantages for Riepert IT

- **Robust Feature Set:** Provided a 100G backbone capacity and crucial protocols including IS-IS, SR-MPLS for traffic engineering, TI-LFA for sub-50ms failover.
- **New Service Innovation:** Advanced features like EVPN-MPLS allow Riepert IT to offer new, high-value services to customers, opening up new revenue streams.
- **Operational Efficiency:** A familiar, industry-standard CLI enabled rapid deployment with a minimal learning curve for Riepert IT's engineers.
- **Lower TCO:** The disaggregated model eliminated expensive, feature-based licensing and significantly reduced CapEx compared to traditional vendors.

Architecture

Riepert IT executed a smooth, **zero-downtime migration** by implementing a "**Greenfield**" deployment. The new OcNOS-based core was built in parallel to the legacy network and connected via simple Layer 2 interconnects. This allowed the engineering team to build and validate the new platform without any risk to live customer traffic. The new architecture positions a redundant pair of UfiSpace routers as the new 100G aggregation core, which applies the full intelligence of OcNOS to manage traffic and deliver advanced services before routing to the internet.



Riepert IT Network Modernization Reference Topology

Summary

By upgrading its network with a disaggregated solution from IP Infusion and EPS Global, Riepert IT has established a powerful platform for innovation. The company is now prepared for tomorrow's opportunities, with a strategic investment in an open, scalable, and cost-effective architecture.

“IP Infusion’s OcNOS gave us the ability to scale our network to meet surging bandwidth demands while keeping costs manageable. Their clear licensing model and the seamless support from EPS Global made this transformation straightforward and cost-effective. We’re now positioned to deliver cutting-edge services to our customers with confidence.” - Gerald Riepert, CEO of Riepert IT.

“We’re proud to partner with IP Infusion to empower Riepert IT’s network evolution. By combining OcNOS’s robust open networking capabilities with our streamlined global inventory strategy and multi-vendor support, we’ve helped Riepert IT achieve a high-performance, scalable network. We are committed to simplifying complexity and mitigating supply chain risks, empowering ISPs like Riepert IT to scale their business confidently and efficiently.” - Chris Curley, Managing Director of Global Networking for EPS Global.

Contact for More Information:

For more information on the OcNOS software, please contact sales@ipinfusion.com

ABOUT IP INFUSION

IP Infusion is a leading provider of open network software and solutions for carriers, service providers and data center operators. Our solutions enable network operators to disaggregate their networks to accelerate innovation, streamline operations, and reduce Total Cost of Ownership (TCO). Network OEMs may also disaggregate network devices to expedite time to market, offer comprehensive services, and achieve carrier grade robustness. IP Infusion network software platforms have a proven track record in carrier-grade open networking with over 500 customers and over 10,000 deployments. IP Infusion is headquartered in Santa Clara, Calif., and is a wholly owned and independently operated subsidiary of ACCESS CO., LTD. Additional information can be found at <http://www.ipinfusion.com>

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