



Photo by Milan Van Kessel

# IZARLINK: SCALING REGIONAL CONNECTIVITY WITH OcNOS OPEN NETWORKING

French regional operator strategically modernizes its infrastructure to provide secure, high-speed 100G connectivity and enhanced network resilience.

## Executive Brief

Izarlink, a premier regional telecommunications operator based in the French Basque Country (Pays Basque, Béarn and Landes), has successfully transformed its data center core network to meet surging demands for secure, high-performance digital infrastructure. By deploying IP Infusion's OcNOS® in partnership with system integrator Pine Networks, Izarlink has moved from a legacy, vendor-locked environment to a modern, disaggregated open networking architecture.

The core of this modernization is a high-availability 100G EVPN-VXLAN fabric that interconnects IzarLink's data centers and peering locations. This transition enables the operator to securely host sensitive workloads including healthcare data, while achieving a significantly lower total cost of ownership (TCO).

## Migration to EVPN-VXLAN

To ensure its customers continue to receive high-performance connectivity that meets rigorous ISO 27001 and HDS (Health Data Hosting) certifications, IzarLink proactively modernized its network core. The operator replaced legacy Arista DCS7148-SX switches to increase capacity, eliminate vendor lock-in and gain the flexibility needed for a future-proof architecture.

The new core utilizes OcNOS DC hosted on Edgecore whitebox switches, running EVPN-VXLAN with Multi-homing to interconnect data centers and peering locations. This migration provides the zero-downtime stability and carrier-grade performance required for mission-critical applications, such as dedicated fiber Internet (FTTO) and secure cloud services.

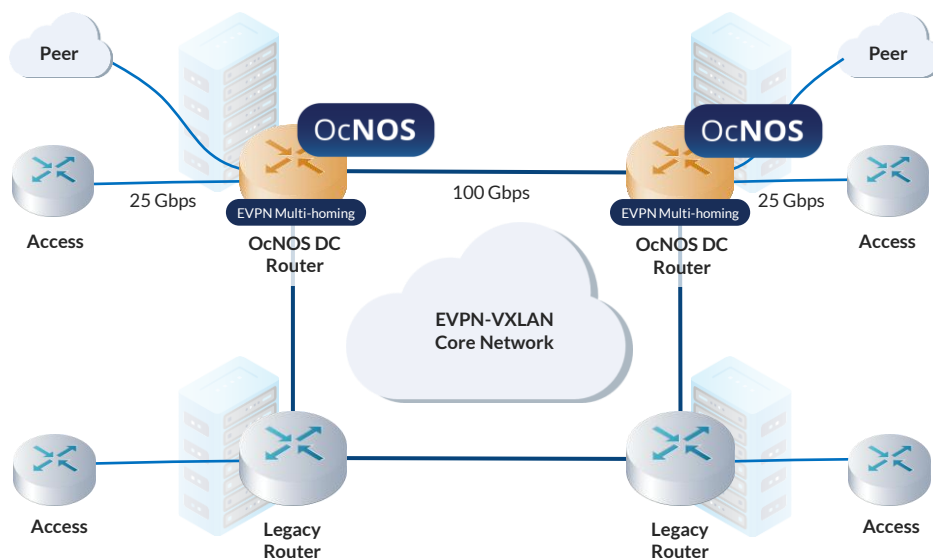
## Why OcNOS

IzarLink evaluated multiple suppliers, including traditional vendors like Arista, before selecting IP Infusion's OcNOS based on scalability, operational simplicity, and total cost of ownership.

- **Predictable Economics:** All features are included in a perpetual licensing model, eliminating costly subscriptions or license add-ons.
- **Expert Local Support:** Pine Networks provided strong integration and local expertise, ensuring a smooth transition from legacy systems.
- **Advanced Feature Set:** OcNOS provides robust Layer 2 and Layer 3 capabilities, including **OSPF**, **BGP**, and **EVPN-VXLAN**.
- **Open Architecture:** The disaggregated design decouples software from hardware, ensuring the solution is independent of any single hardware vendor.

## Deployment Architecture

The new architecture features **Edgecore AS7326-56X** hardware as the core switches of the network. These switches aggregate 25G interfaces from different network segments into a redundant 100G core. This setup applies the full intelligence of **OcNOS** to manage traffic across data centers and peering sites with superior efficiency. The platform maintains seamless interoperability with IzarLink's existing **Cisco** and **MikroTik** routers, allowing for a phased and secure modernization of the regional infrastructure.



IzarLink Network Modernization Reference Topology

## Strategic Impact

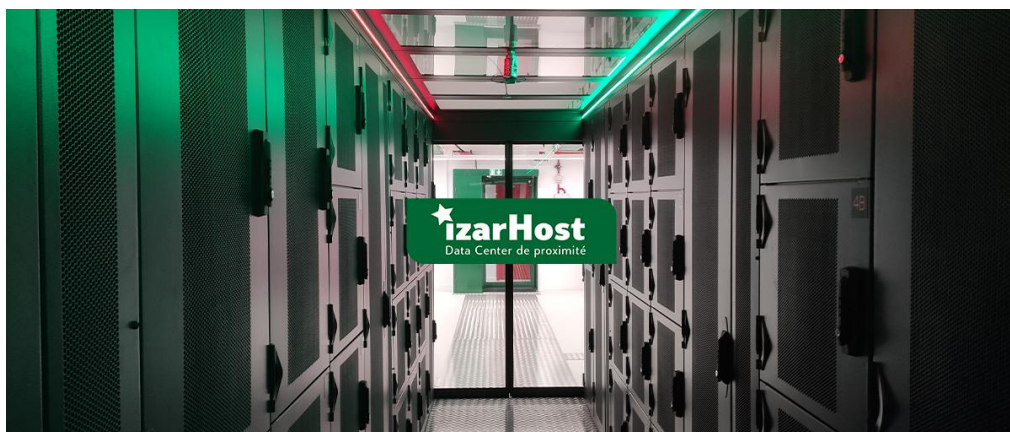
The shift to open networking has delivered immediate benefits in terms of performance, and financial agility. By choosing a solution with long product lifecycles and no recurring software fees, IzarLink has secured the most cost-effective path for the next 10 years. This strategic investment ensures that local

businesses and public-sector sites in the Basque Country (Pays Basque, Béarn and Landes) have access to a secure, scalable, and locally managed digital infrastructure for years to come.

**“IP Infusion OcNOS provided the technical depth and improved network economics that enabled us to timely upgrade our data center core with future-proof scale, security, and resilience.”-**

Alexis Guirlié, CEO of IzarLink

**“IzarLink’s approach reflects a clear focus on long-term service quality and operational excellence. Our role was to translate that vision into a production-ready deployment, combining local expertise with OcNOS to deliver a resilient, future-proof data center core.”-** Hadi Choueiry, General Manager of Pine Networks.



## Contact for More Information:

For more information on the OcNOS software, please contact [sales@ipinfusion.com](mailto:sales@ipinfusion.com)

### ABOUT IP INFUSION

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IP Infusion is a leading provider of open networking software and solutions for carriers, cloud service providers, and data centers. Our OcNOS® operating system enables network operators to disaggregate their networks to accelerate innovation, streamline operations, and reduce Total Cost of Ownership (TCO). 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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**Phone** | +1-877-699-3267 **Email** | [sales@ipinfusion.com](mailto:sales@ipinfusion.com) **Web** | [www.ipinfusion.com](http://www.ipinfusion.com)