JUNIPER | eurofiber

Eurofiber

Provider of industry-leading open digital infrastructure scales connectivity to power customers' digital innovation

Realize a compact, reliable, sustainable design that easily scales for fast-growing service providers

Learn more →

Industry

Service provider

Region

EMEA

Overview

Eurofiber addresses growing connectivity demands in the Netherlands

Eurofiber is a provider of industry-leading open digital infrastructure offering smart, open, future-proof cloud infrastructure and connectivity solutions to companies, government bodies, and nonprofit organizations in the Netherlands, Belgium, France, and Germany.

Customers can tap into their full potential of digital innovation from Eurofiber's 72,300 km network and 11 data centers. With a set goal to expand by 50 km per week on average, Eurofiber chose Juniper ACX7348 Cloud Metro routers to meet customers' growing need for fast, flexible connectivity to enable digital business, cloud connectivity, and smart city infrastructure.

Challenge

Network and cloud capacity needs are rising rapidly, hence Eurofiber is further expanding the network edge with highly featured nodes to continue to meet the connectivity needs of clients in the Netherlands and Belgium. Looking ahead, the provider wants to offer its services at even higher speeds and have sufficient capacity ready for new clients. At the same time, these services must be highly reliable to continue to meet its status as the Dutch government's "vital infrastructure."

Juniper's extensible routing solutions and intelligent automation that simplifies network operations were a perfect match for Eurofiber's goals.

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Transformation

Migrating to Juniper's Cloud Metro routers created a sustainable architecture that optimized network scalability and bandwidth efficiency, enabling a smooth upgrade of Eurofiber's dense metro networks in the Netherlands to 100 Gbps. The compact, environmentally rated Juniper ACX routers support multiservice applications. With ACX7348 routers, Eurofiber has the port density it needs today—with an investment-protected path to reach 400GE capacity in the future.

Outcomes

Extensive network	Metro network upgrade	Agile services
72,300	**100GbE**	**24 hours or less**
Kilometers across Netherlands, Belgium, France, and Germany	With investment-protected path to 400GbE	Network service delivery

Solution and implementation

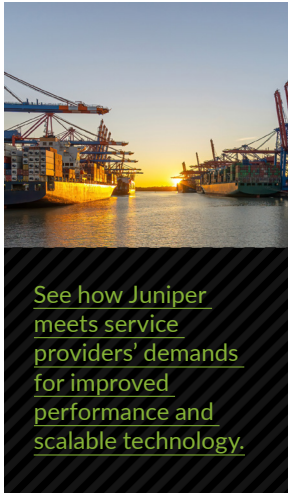| Juniper ACX7348 Cloud Metro Router	Juniper MX960 Router	Juniper MX204 Router

Juniper at every layer

Eurofiber has relied on Juniper routing for a decade. Its core and peering layers are powered by Juniper MX960 routers and Juniper MX204 routers are used for the aggregation layer.

To scale its services, Eurofiber is upgrading from ACX5000 routers to ACX7348 routers in its metro network and data centers to improve network reliability at its access layer and support 100GbE in its metro rings. The next-generation ACX7348 delivers advanced capabilities such as MPLS, SRv6, Ethernet VPN-Virtual Extensible LAN, advanced programmability, and telemetry.

Eurofiber worked with Nomios, its IT systems integrator, on the metro network upgrade.

Key takeaways and outcomes

See how Juniper meets service providers' demands for improved performance and scalable technology.

Ready, set, grow!

Now Eurofiber can scale its network and data center services as it directly connects even more universities, hospitals, energy providers, business parks, and other customers and at higher speeds. The port density, active-active redundancy, and service capabilities of the ACX7348 support rapid and reliable service delivery to customers with an investment-protected expansion to 400GbE.

● **Efficiently meet growing capacity needs**

With ACX7000 routers, Eurofiber can serve customers' growing needs for higher speed business internet, Virtual Private LAN Service (VPLS), Ethernet VPN, and IP VPN services. The ACX is also adaptable and can be used for aggregation and to connect customers at 1Gbps, 10Gbps, or higher.

● **Deliver reliable services**

"Eurofiber delivers high availability services to business and government customers," said Idzenga. The ACX routers run Juniper Junos Evolved (Junos EVO), which provides the reliability, agility, and programmability that Eurofiber needs to efficiently operate its metro networks.

● **Rugged and secure**

The ACX is well suited for metro networks. The compact router fits neatly into Eurofiber's street cabinets and handles temperatures as low as zero degrees Celsius and as high as 55 degrees Celsius. MACsec encryption and other advanced security capabilities protect data privacy.

More information

Learn more about Juniper routing solutions

To learn more about Cloud Metro routers, visit our website at https://www.juniper.net/us/en/solutions/ip-transport-solution/metro.html

To learn more about ACX7000 family of Cloud Metro routers, visit our website at https://www.juniper.net/us/en/products/routers/acx-series/acx7000-family-cloud-metro-routers.html

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