

Interoute IP Transit Services



*the advantage
is in the network

**In the intensely competitive IP market
you need to be sure you are getting the
best possible performance at a truly
competitive price.**

Interoute's IP Transit Service offers speed, diversity and responsive customer service on a massive European scale.

Getting the best performance is reliant on the quality of the network that's delivering the service, and you get the best prices by dealing directly with the network owner. At Interoute you get both.

Performance

The scale and reach of Interoute's advanced Next generation network means customers benefit from faster delivery of content and less delay. The scale of our network brings web users closer to interesting destinations so they get faster access to the content they want to see, and you get happy customers.

The speed of delivery is further supported by the unparalleled capacity of our network so the service you receive is uncontended and unrestrained.

We've recently upgraded the IP network to enable very high speed, very high capacity trans-European communications across its core routes; increasing the IP network capacity to 800 Gigabit per second.

This makes it Europe's largest example of a true multi-service MPLS/IP network with an Nx10G super-core.

Resilience

However, speed is no good without stability, so you'll be pleased to know the network is fully diverse with multiple routes, including terrestrial and submarine links which means we can provide you with a truly resilient transit service.

Our fibre optic network connects 93 cities in 22 countries across 56,000+ route kilometres of lit fibre and has the capacity to carry a petabit (a billion megabits per second) of traffic. We have also built metropolitan area networks (MANs) in 21 major European centres of business with further city expansion planned.

Plus we run the network surveillance, monitoring and customer service from dual operations centres in different countries. This enables us to ensure business continuity and make sure we're always available to give you the best service possible.

IPv6 enabled network

We have also invested in ensuring our network is native IPv6 enabled. So you can have both IPv4 and IPv6 traffic across the same pan European network. We further support this with extensive IPv6 peering relationships giving you a truly future proofed service.

Interoute IP Services

Interoute's IP Network is the largest, most densely connected IP network available in Europe today.

You may only need a fraction of what the network can offer, but it's good to know that as your business grows you can quickly and easily scale up to meet customer demand.

Interoute is also present in 19 of the world's top Internet exchanges, so we can ensure a direct route for your traffic. In addition, our global upstream connections enable us to offer exceptional resilient performance on a world-wide basis.

Interoute offers customers the choice of two IP Transit services; Global Transit, which is an IP Transit service advertising routes to all Internet destinations, and EuroTransit, which advertises a partial routing table of Interoute's direct customers and peers.

Interoute's IP Services include a complete range of port and access types, billing options, service features, on-line tools and reports, backed by tough Service Level Agreements.

When you combine the power of Interoute's IP Network, its scalability and reach, reliability and robustness, and service features, it is clear that Interoute's customers receive a premium IP service.

Global Transit

Interoute's Global Transit Service connects your network to our IP Network enabling it to become part of the Internet. To connect to this service you will need an Autonomous System Number and a range of provider independent (PI) public IP addresses, which are allocated to you by an Internet registry such as RIPE. Interoute's Global Transit service will advertise to you a full Internet routing table using the routing protocol BGP-4. Interoute will then announce your networks to the rest of the Internet.

EuroTransit

EuroTransit builds on Interoute's backbone infrastructure to offer customers a unique opportunity to improve European connectivity and cut operating costs in a simple connectivity package.

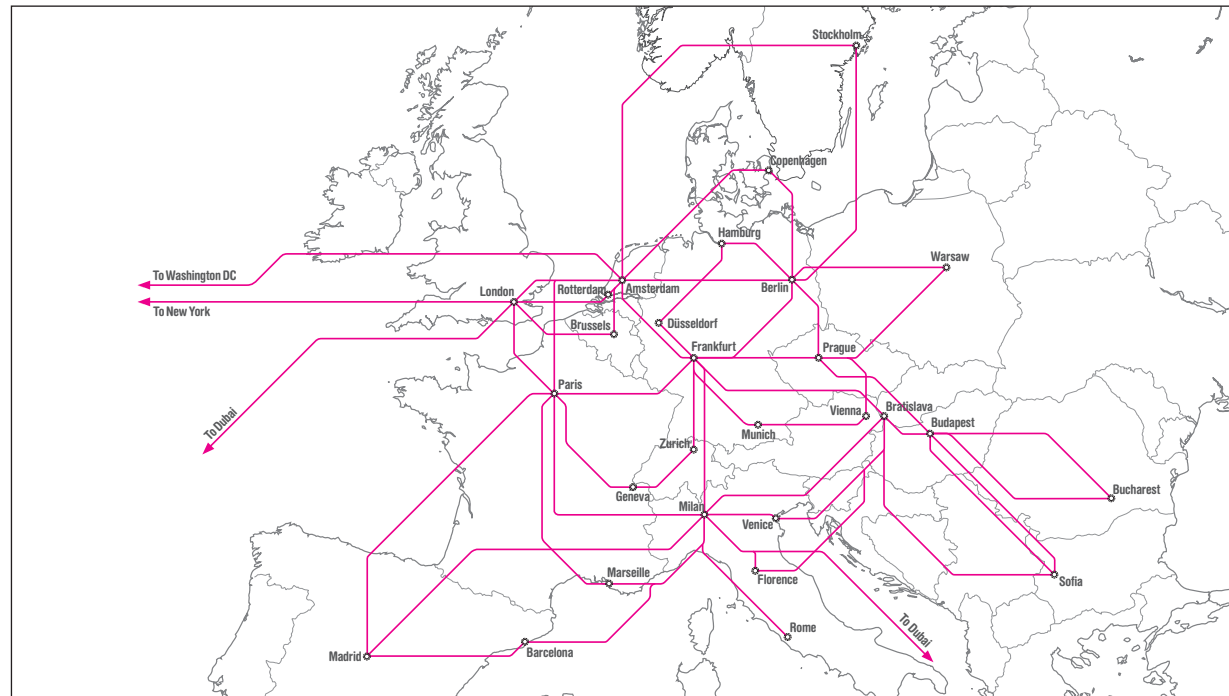
EuroTransit advertises all of Interoute's peer and customer routes (detailed routing information is available on request). With EuroTransit, a customer receives a routing table advertisement that includes between 40% and 50% of the full Internet routing table served over a single-hop high performance network at a fraction of the cost of standard IP Transit.

By running the service in parallel to your existing upstream connections, you can route a significant proportion of your traffic

over our low-cost high performance network, enabling you to reduce your overall transit costs. What's more, our uncontended multi-10 gigabit backbone directly connects to all the major peering exchanges over the shortest possible route to deliver significantly better overall performance.

Because EuroTransit leverages Interoute's extensive network scale and customer/peering relationships, it presents customers with a cost effective low risk alternative to building a peering network, which by comparison can be expensive, difficult to scale and complex to build and operate.

BELOW: Interoute's European network coverage



Key Features

Port Interfaces

- Ethernet, Fast Ethernet, Gigabit Ethernet and 10-Gigabit Ethernet
- TDM/SDH: T1/E1, E3/DS3, STM-1, STM-4, STM-16 and STM-64

Access Options

Interoute Backhaul Services: When customers are not in the same location as our IP POP, Interoute offers a broad range of backhaul services over Interoute's layer 1 and layer 2 networks to enable customers to reach our services.

- Metro and Longhaul TDM/SDH Private Circuits (T1/E1 to STM-64)
- Metro and Longhaul Ethernet Private Circuits (10Mbps to 10Gbps)
- Metro and Longhaul Wavelength services (2.5Gbps to 10Gbps)
- Dark fibre extension services

Other licensed operator (OLO) Backhaul Services: For customers whose premises are located in a facility that is 'off-net', we can connect your premises to the Interoute Network using a broad range of OLO private circuits.

- TDM/SDH Private Circuits (T1/E1 to STM-64)
- Ethernet Private Circuits (10Mbps to 10Gbps)
- Wavelength services (2.5Gbps to 10Gbps)
- Dark fibre extension services

Billing Options

- Flat Rate Flat rate MRC for a port that includes all usage based charges
- Usage Based Billing Usage based service based upon 95th percentile billing
- Commit + Burst Per Mbps 95th Percentile Committed level + Burst where the customer commits to a level of bandwidth and is charged at the 95th percentile for the excess usage

Service Level Agreements

Interoute also backs its internet services with industry-leading service level guarantees:

- Service Installation
- Service Availability
- Round Trip Delay
- Packet Delivery

Customer Support

Interoute's Network Operations Centres manages our networks on a 24x7x365 basis. Our Customer Service Centre is also available to provide customers with support 24 hours per day, 365 days per year.

Additional Features

- Protocols Routed Protocols: IPv4 and IPv6
Routing Protocols: Static and BGP-4
- BGP Communities Traffic manipulation for Global Transit customers using BGP Communities
- Customer Web Portal Online Traffic Reporting (Throughput, RTD, Packet Loss etc)
Create and manage Trouble Tickets online
View invoices online
Looking Glass
- Resilience Options Because Interoute owns and operates its own network from the duct, we can offer customers a range of resilience options that they can trust to support their business.
- DoS Protection Available to all customers as part of their IP Service, Interoute's DoS Protection services uses RTBH 'blackhole' routing within the IP network to stop DoS traffic reaching a customer's network.
- DDoS Protection For an additional monthly charge, Interoute's DDoS service offers customers an intelligent DDoS 'Traffic Scrubbing' protection service.

Benefits

Scalability

The continued expansion and penetration of broadband services, increased growth of Internet destinations and web based services and the evolution of Internet applications and their usage, means that the demand for Internet capacity has never been greater. With unrivalled European network capacity, scalability and reach, Interoute is not constrained in the same way as some of our competitors in its ability to support the traffic needs of your business today and tomorrow.

Performance

With our network capacity, scale and reach, Interoute consistently delivers best-in-class packet delivery, availability and latency performance relative to competitors. Combining this network performance with our customer base, peering relationships and diverse upstream connections, Interoute ensures that our customers experience optimised traffic routing, increased reliability and direct access to far more upstream route options than any single global tier-1 provider could offer.

Responsive and Flexible

Because Interoute owns and operates its own Fibre Optic, Wavelength, SDH, Ethernet and IP Networks, we have full visibility and control of the network assets we use to deliver your service. This means that we can be more flexible and responsive to customer needs enabling us to go the extra-mile when delivering your IP Services.

Interoute network



Network stats: 56,000 km lit fibre / 9 Tier 3 and Tier 4 data centres (Amsterdam, Berlin, Geneva, London, Madrid, Munich, Paris, Prague, Stockholm) / 50 Tier 1 data centres / 21 MANS / 93 cities / 22 countries

Let's talk. Call +44 20 7025 9000
or email info@interoute.com

Alternatively visit our website www.interoute.com

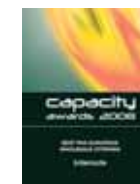
Five things about Interoute

- We own and operate Europe's most advanced, densely connected voice and data network.
- We're widely acknowledged as one of Europe's fastest growing technology companies.
- Our network covers just about every major European, Eastern European and Central European business centre as well as the USA and Dubai.
- We handle more than €1 billion of eCommerce through our data centres every day, making Interoute a key part of Europe's Digital Supply Chain.
- We're the choice of major incumbents and governments around the world as well as international enterprise customers such as Airbus, BMW, BBC, Deutsche Post, El Mundo, Fortis Bank, Pepe Jeans, Procter & Gamble, Universal and Virgin Media.

interoute

Walbrook Building
195 Marsh Wall
London E14 9SG

Tel +44 20 7025 9000
Fax +44 20 7025 9888
Website www.interoute.com
Email info@interoute.com



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This information was correct at the time of going to press. However, because of the rapid growth of Interoute's business, details are likely to change. Loewy ITR147 UK