



IP Transit

- Carrier Class internet for service providers
- Port speed up to 10 Gbit/s
- Based on own international IP backbone
- Routing through BGP4
- Network monitoring 24x7x365

As a consequence of the ever increased bandwidth and scope of services delivered over the internet, service providers and large enterprises are still more sensitive to parameters such as availability, speed, low response times, jitter and packet loss.

The IP Transit product from GlobalConnect is tailored to service providers and heavy users of internet. Routing is based on the BGP4 protocol, and the network is accessed through 1 or 10 Gbit/s ports. The traffic can burst up to line speed, and charging is based on average load with commitment.

GlobalConnect continuously increases the number of peerings with other internet providers in Denmark and Europe. Combined with our fibre network covering all of Denmark,

Southern Sweden and Northern Germany and an ultra low latency IP backbone, GlobalConnect is able to offer true Carrier Class internet products.

IP Transit is available as an IP port at GlobalConnect's telehouses and main PoP sites. It may be an extra advantage to combine IP Transit with rack space at one of the GlobalConnect Carrier Class telehouses, as well as fibre, transmission and IP voice traffic.

At a separate fee, GlobalConnect provides assistance to be granted IP addresses from RIPE.

Tailored large scale solutions, e.g. for ultra low latency access to specific service providers, access via certain routes, multi-homing solutions for redundancy etc. may also be an option.

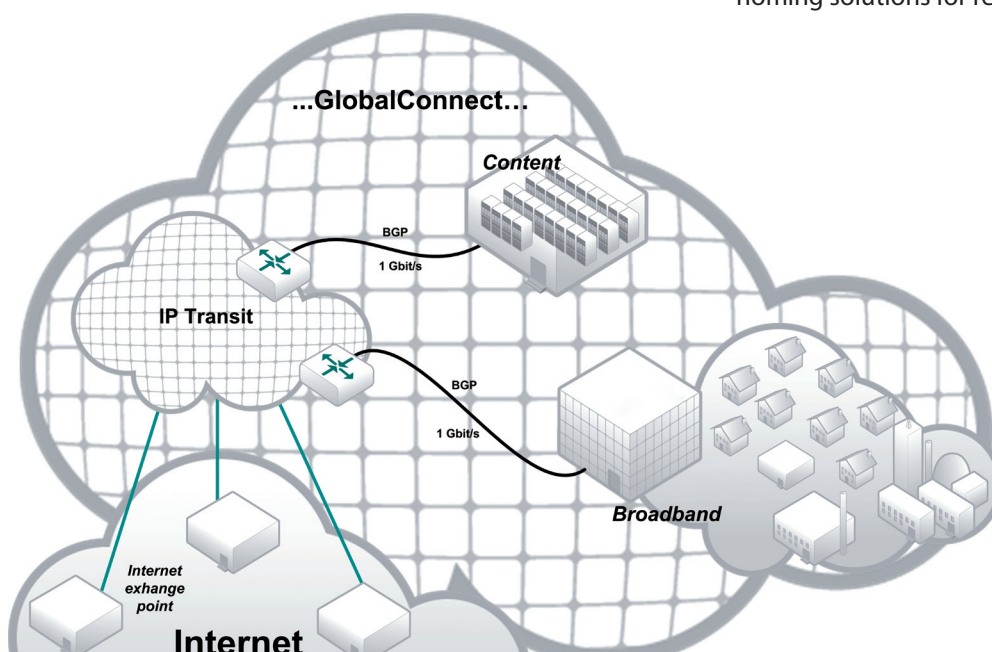


Figure 1: IP Transit is ideal for service providers and businesses with high bandwidth requirements

Multi-homing

Multi-homing with IP Transit enables redundancy at all levels (see figure 2). This solution requires BGP both at the provider network and the customer network. Within the customer network, internal BGP (or I-BGP) is used, while between the customer network and the GlobalConnect network external BGP (or E-BGP) is used. Traffic between the customer network and GlobalConnect is dynamically distributed between the two links; if one link is broken, traffic will automatically flow via the other link.

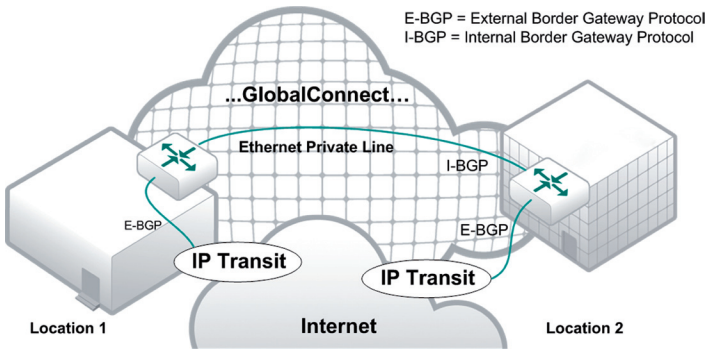


Figure 2: Multi-homing with IP Transit



Figure 3: GlobalConnects Carrier Class IP products are based on peering with Tier 1 ISPs

Details:

IP addresses and AS-numbers	GlobalConnect is offering help to apply for AS-numbers and IP addresses at a separate fee
Access line	IP Transit is an IP port offered at the GlobalConnect telehouses at Taastrup, Kolding and Hamborg or at the IP PoPs located in Aalborg, Aarhus, Odense, Ballerup and Lyngby. An access line is also possible using the Ethernet Private Line product (see separate product sheet)
Access speed	100 Mbit/s, 1 Gbit/s or 10 Gbit/s
Billing method	Based on average load in highest loaded direction, and with a minimum commitment. Billing is done quarterly in advance
Protocol	IPv4
Routing protocol	BGP4
Latency (one-way) within the GlobalConnect network	Max. 10 ms