

IDE Group: IP Transit

IDE Group: IP Transit is a very high quality Internet connectivity provision available in all On-Net locations across the IDE Group network.

The ability to offer up to 10 Tier 1 providers, as well as peering arrangements at Internet Exchanges and Service Providers allows IDE Group: IP Transit to offer highly reliable, low latency routes for your Internet traffic.

Why choose IDE Group: IP Transit?

IP Transit is available at over 50 On-Net DC/PoPs in the UK, with this number growing month on month, it provides the ability to reach more than 100 DC in the UK through partner network connections and extend directly to 1000's business premises. Partner network connections further expand the reach of our IP Transit, providing an International footprint to more than 1000 Data Centres around the world. IDE Group: IP Transit utilises local interconnects to Tier 1 providers and peering partners to ensure that geographical location does not adversely impact latency.

IDE Group is entirely owned and operated by IDE Group's network utilising a privately owned dark fibre core network between all sites, which has been lit with equipment from leading providers such as Juniper and MRV for DWDM technology, this design allows IDE Group to be extremely powerful, scalable and flexible, customers can take IP Transit ports and services at 100Mbps, 1Gbps, 10Gbps, 40Gbps and even 100Gbps where required, with committed data rates and burst available on a flexible and Elastic basis.

Tier 1 providers

IDE Group: IP Transit offers Tier 1 connectivity with the following providers, IDE Group's network are always able to consider additional providers where required, particularly if they offer a regional or service based core competency.

The providers to the right can offer access to the entire Internet and can thus be seen as global connectivity providers, however, many of them have key areas of expertise or location advantages making them more suitable in given scenarios.

Key features of IDE Group: IP Transit

- ✓ Provided as Layer 2 connectivity over the IDE Group network
- ✓ Direct cable connections for 100% network separation
- ✓ Provided on 1Gbps or 10Gbps ports, very low commits, some provided as DDoS Protected
- ✓ Full Tier 1, Multihomed and Partial Transit available via IDE Group network
- ✓ Direct connectivity to Tier 1 providers in DC where provider has physical presence
- ✓ Low CDR available with burst capability
- ✓ Elastic IP Transit connectivity available

Types of Tier 1 Provider available

- NTT: Focussed on coverage in Asia
- GTT: Excellent European coverage
- Cogent: Broad spectrum of coverage, with focus on the USA
- Hurricane Electric: Specialist USA provider
- Level 3: Global provider, with core strength in USA
- Zayo: Core strengths in Europe and USA
- Telecom Italia: Excellent EMEA coverage
- Sprint: Focussed on the USA
- XO Communications: Focussed on the USA
- Century Link: Focussed on the USA

Visit our website idegroup.com

Or call **0344 874 1000** to discuss your requirements

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IP Transit variants

IDE GROUP: IP TRANSIT IS AVAILABLE IN A NUMBER OF DIFFERENT VERSIONS, AS FOLLOWS:

Tier 1 IP Transit: *Directly connected to a Tier 1 provider*

- IDE Group has access to 10 Tier 1 Providers, each with different strengths in Global Coverage, including NTT, GTT, Sparkle, Level 3 etc. Tier 1 connectivity can be offered over the IDE Group network from any DC location.
- In certain locations where the Tier 1 provider has a direct presence, IDE Group's network can provide customers with a direct connection without traversing the IDE Group network if required.

Multi-homed IP Transit: *Traffic 'shared' across multiple providers inc Tier 1 routes*

- Multi-homed IP Transit allows traffic to take a number of Tier 1 routes to the Internet, prioritised by the fastest geographic path, offering enhanced degrees of resilience because you are not reliant on a single provider's network.
- This blended approach utilises multiple Tier 1 connections and offers cost savings as well as potential performance improvements over the selection of on a single Tier 1 provider.

Partial IP Transit: *Traffic is routed via local Internet Exchanges and peers*

- Partial IP Transit is routed via IDE Group peering partnerships with Internet Exchanges and other Service Providers, instead of our Tier 1 providers. These local peers can offer the lowest possible latency to a specific local destination, when compared with a Tier 1 provider which is limited to larger capacity, but less flexible routing.
- Partial IP Transit can be particularly cost effective where a large portion of you traffic is destined for the UK or Europe, since it can deliver bandwidth at a fraction of the cost.
- Partial transit requires BGP connectivity and should be combined with an alternative Tier 1/ Multihomed route to deliver 100% route coverage, please contact us to discuss this option.

In addition to these principal product types we can consider specific services to resolve most customer issues. An example of this is IDE Group: IP Transit ability to deliver a single peered route from a dedicated Service Provider direct to a customer, this is designed for SP's that do not or cannot support VLAN's, in addition it allows them to save bandwidth fees.

About IDE Group

IDE Group is IDE Group's network's latest high performance MPLS network, constructed with privately owned dark fibre and spanning PoPs across the UK. IDE Group delivers the highest capacity to the widest range of data centre locations within industry-leading timescales.

IDE Group utilises DWDM technology to maximise the capacity of our dark fibre links, this allows us to deliver

MPLS/VPLS services at speeds of 1Gb/10Gb and 40Gb to all of our On-Net locations. This network has been delivered in response to the market demand from carriers, data centre operators, ISPs, media companies and many other end user clients. IDE Group's network recognises that traditional networks offering 100Mb and 1Gb circuits are no longer suitable and there is a clear desire and need for 10Gb as a standard, with a straightforward upgrade path to 40Gb and 100Gb.

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