

An intelligent, flexible IP VPN, designed to boost business performance and security

IP Connect Global is the network platform that IT services are built upon, it provides the reach, flexibility, security and performance that you need to successfully run your organisation.

IP Connect Global is our key building block – and the foundation layer – for Wide Area Network (WAN) solutions at critical or important sites that need predictable performance backed by strong service levels. It's based on MPLS technology over a private and secure VPN. Our MPLS reliability is built on a modern and dynamic network service that is tuned for the future, one which thousands of our customers rely upon.

IP Connect Global includes:

- direct connectivity with a range 3rd party cloud and data centre providers
- cloud acceleration and optimisation
- full integration with cloud security which extends into secure internet gateways
- burstable and scalable bandwidths up to 10Gb capability.

Combined with the public internet, IP Connect Global enables a hybrid solution. So you get the performance, security and reliability of an MPLS network platform with the agility, flexibility and reach of the public internet.

We know modern networks aren't based on a single service but a range of services which create an effective hybrid solution. MPLS provides critical site connectivity and is complemented by internet services for diversity and resilience – maybe offering dual paths for different types of traffic or primary connections for less critical sites.

Whatever your business needs, we can craft a unique environment which will benefit your users and open our Cloud of Clouds vision to you.

A modern IP VPN solution

- **global reach with domestic depth** – we provide services in more than 198 countries and territories worldwide with over 5,000 points of presence (PoPs) currently – and more every year
- **cloud connections** – with software defined direct connectivity to Cloud Service Providers and our own capabilities embedded, our MPLS delivers the perfect platform to accelerate your Cloud strategy, spreading your domain securely and reliably into partners like Google, Microsoft, HP, Azure, AWS, Salesforce and others
- **data centre connections** – direct software defined connectivity to a range of data centres and can offer agile and secure connections to over 200 DCs worldwide and all the largest 3rd party providers
- **intelligent network services** – embedded into our network to give you better application visibility, acceleration and optimisation. These optional services can enhance your application experience across your network and be bought as “per user” items
- **hybrid solution** – balance performance, security, reach and cost. IP Connect Global offers internet breakouts or secure hybrid access across the globe to support the use of internet as a transport in harder to reach places
- **a range of SD-WAN solutions** – can be fully aligned with BT network services like Agile Connect, Cisco SD-WAN, Meraki, Infovista and Riverbed to give improved application visibility and control with potential of lower WAN overheads
- **NFV services** – we can provide virtualised versions of our acceleration and security services either via the cloud or virtual CPE devices.



A network engineered around performance

Expectations around performance, bandwidth and security for applications over the network are increasing, and your provider is critical in managing this performance.

We know you want assured quality and that's why we engineered our network around performance. When you need guaranteed and prioritised application responses on secure bandwidth, IP Connect Global gives you:

- low latency – assured performance thanks to optimised network design
- better resilience – dual core network ensuring separation of traffic in the core network and multiple PoP strategy in key cities to provide full end-to-end resiliency to our customer
- planning rules – strict planning rules applied across the whole core network, ensuring link failure will not affect other traffic on the service
- avoidance of congestion – unlike public network performance, IP Connect Global has a consistent performance 24x7x365, thanks to planning rules in place
- common routing – BT MPLS optimised and fully integrated routing not compromised by internal gateways
- single global design – same design guidelines are applied on the core globally.
- global management – 24/7x365 monitoring of the core network, from global management centres
- global maintenance – spares available at each PoP, with common maintenance contract in place
- more secure – constant monitoring of cyber-attack, and patches provided systematically to keep up to date.

“As a global player we needed a partner that knows our business and could offer services wherever we operate. BT is a true international service provider and could provide everything we needed.”

**Dr. Wolfgang Standhaft, Group CIO,
HeidelbergCement**

What could IP Connect Global Service do for you?

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Offices worldwide.

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Why choose BT?

BT has been delivering networks globally for decades

We have delivered solutions in every sector of industry and every region of the world. We have people locally that can speak different languages and have built relationships with local supplier partners to enhance our customer experience. This experience removes much of the risk associated with key transformational and complex projects.

IPV6

The exponential growth of connected devices has driven the need for IPv6. We offer 'dual stack' capability for both IPv4 and IPv6.

Fast turn up

Fast connectivity is more important than ever with advent of pop up shops and other initiatives. We can deliver basic connectivity in about five days, utilising mobile or customer internet services. The service then reverts to the full access service when installed.

Fast convergence

Offers sub-second convergence in event of core trunk failures, and <3 second convergence in case of edge failure including access circuit or router failure.

24*7 service and support

Consistent support is provided across the world, including local language support alongside a single point of contact for provisioning and troubleshooting.

Six classes of service model

Performance for each application is assured and network utilisation is optimised. The model is highly future-proofed, providing total transparency and scalability to support your future business growth.

Comprehensive performance reports

From our unique BT Global Services Customer Portal, you can monitor the performance of your network connectivity whenever you need to via a secure web interface.

Access resiliency options

With two routers or CPEs, two access lines or two network nodes.

Customer premises equipment

Available as either managed or self-managed, where you manage the routers or CPE configurations, such class of service marking, VPN options and access resiliency.

