

# Internet access redundancy

- **When things go wrong, GlobalConnect takes care of it!**
- **Single access line breakdown is handled automatically through redundancy.**
- **Possibility of handling more than one active internet connection.**
- **We can manage all or parts of your operations. That is up to you!**

## Secure and stable solution

Nowadays the internet is the most widely used channel of communication. The growing need to be constantly online also brings an increasing demand for security and stability in internet solutions. We simply expect having access to our business system at any time, including web servers, mail systems, phone calls, video conferences and much more.

## 99,99% Uptime

Our own network uptime is 99.99%.

We have achieved this figure thanks to a range of measures aimed at protecting your internet access. However, some events are beyond precautionary steps. Take, for example, broken cables as a result of excavations, as well as fire or water damage where the internet connection enters your building. Such occurrences can be hard to guard against without redundancy.

## We use BGP

GlobalConnect uses BGP to set up internet connection redundancy. BGP stands for Border Gateway Protocol and is used for internet routing purposes. It goes through a list of IP networks or prefixes to determine network accessibility among autonomous systems (AS) on the internet.

Network using BGP routing must have a unique AS number. An AS number is required to obtain redundancy in networks using two routers.

This applies, for instance, when you choose one of our internet redundancy solutions providing two CPE routers.

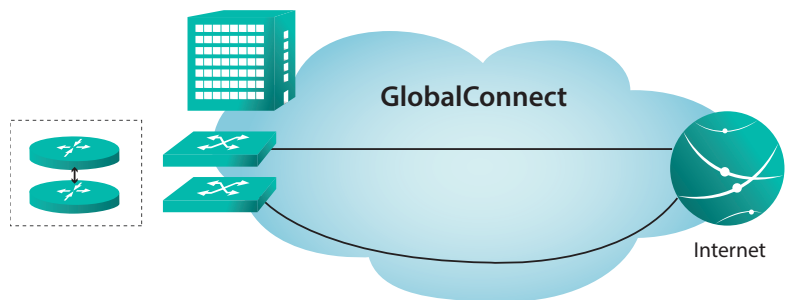
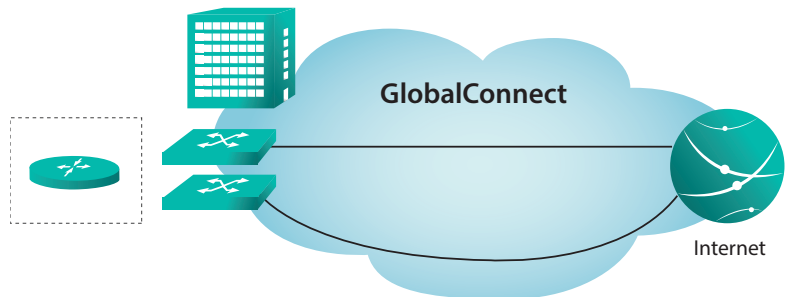
Read more about our redundancy options overleaf.

# Internet

## Full diversity (Managed BGP)

IP Access is delivered at the customer's domicile by laying cables in two different trenches and by supplying either a single or a pair of CPE routers. The IP backbone is reached along two fully separate feed lines, entering two different feed points. This solution preempts failure of equipment as well as transmission lines.

If the solution is delivered with a pair of CPE routers, and if these routers are placed at two different client domiciles, a transmission line must also be provided between the two routers. Alternatively, two redundant transmission lines can be established between the two routers. Installation and operation will be undertaken by GlobalConnect.



## Full diversity (Unmanaged BGP)

Here IP Access is delivered by laying cables in two different trenches, by supplying a pair of CPE routers and two feeding lines to the backbone. This type of redundancy requires the client business to have one or two routers and to manage its own BGP routing settings.

