



# Build an even more resilient BTnet connection

For businesses who need to stay online, all the time.



# Stay online with a second circuit

With BTnet, you enjoy dedicated internet speeds up to 10Gbps with no delays – on a circuit all of your own. We expect to keep you online, all the time – with a 100% availability Service Level Agreement (SLA). Of course, sometimes it's out of our control and circuits can break. That's why many customers choose to protect their connection with a second circuit. Stay online through floods, fires and destructive roadworks.

## A second circuit can keep you connected in one of three ways:

### Backup

If the main circuit connecting your office fails, a second one switches on. You keep connected. And can even continue to take calls over your voice service.

Your second circuit doesn't need to be identical to your first. So you can keep costs down by taking a backup with less bandwidth.

### Failover

A failover circuit has the same bandwidth as your main circuit and switches on if your main circuit fails. Each circuit follows a different route from end to end, helping to protect your business further. Your employees and customers won't notice any difference if your first circuit fails. And you can continue sending files and making voice calls over your BTnet connection.

### Load balancing

If you want both circuits switched on all the time, you can load balance traffic. This is when neither circuit bears too much demand. By spreading the work evenly, every user enjoys a better performance. But if one circuit breaks, the other can still carry all the traffic. As with failover, the two circuits follow different paths end to end, giving you an extra level of resilience.

It's not for everyone. It helps if you're an expert. You'll need to do some configuration to get load balancing right.

## Choose the type of second circuit you want based on these features:

	Backup equipment	Diverse routing	Cabling type diversity	Exchange resilience	Site diversity	Core network routing diversity
Backup	✓		✓	✓	✓	
Failover	✓	✓		✓	✓	✓
Load balancing	✓	✓		✓	✓	✓



# Six ways to strengthen your connection

## Backup equipment

We'll set up two devices to use with your circuits, and two places to plug them into network terminating equipment. So you have a backup if something's accidentally unplugged.

## Diverse routing

Depending on the ducts and cables around your office, we'll bring two circuits into the building using different routes. We'll be happy to survey these for you to identify any additional costs.

## Cabling diversity

Ordering a second circuit that's copper, rather than fibre, protects against electrical failures. A handy option if you can't use diverse routing.

## Exchange resilience

It's rare for the equipment and routers in our exchange buildings to go down. But if we're hit by flood or fire, you want to be connected by circuits that start in different exchanges.

## Site diversity

If your business stretches across a couple of offices that share a local area network, we can take circuits into different buildings. Keeping both sites online if a circuit goes down.

## Core networking routing diversity

We can even add to the resilience of your internet connection in our core network. We'll keep the circuits as separate as possible in the backbone network that ties together exchange buildings. It helps protect against any unexpected failures in the power supply, or problems at other exchanges or service points.



# Speak to our experts

We'll visit your offices (with no ties) to help you decide which option is right for you.

We can even help with costs if there needs to be any extra construction work. Find out more at [bt.com/btnet](https://bt.com/btnet)



## Offices Worldwide

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