



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 per cent availability SLA. Of course, sometimes it's out of our control

and circuits can break. That's why many customers choose to protect their BTnet 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 a smaller bandwidth.

Failover

A failover circuit has the same bandwidth as your main circuit and switches on if your main circuit fails. 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 you configure your websites and internal systems to send different users along one circuit or the other. If one circuit breaks, the other carries the traffic.

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	✓	✓	✗	✓	✓	✓

Find out more about these protective features on the next page



Six ways to strengthen your connection

Backup equipment

We'll set you 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.

Exchange resilience

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

Diverse routing

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

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.

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.

Core networking routing diversity

We can even add to the resilience of your internet connection in our core network. Keeping the circuits as separate as possible in the backbone network that ties together exchange buildings.

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 towards costs if there needs to be any extra construction work. Find out more at [bt.com/btnet](https://www.bt.com/btnet)

Offices Worldwide

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January 2018

