## Connectivity

# Spitfire Backup Connectivity

**Spitfire's resilient backup connectivity solutions provide multiple layers of protection to ensure connectivity even in the most unlikely of events**

Emperor Penguin
[Aptenodytes Forsteri]

*The emperor penguin has four layers of scale-like feathers to protect them from icy winds as cold as -60°C (-76°F) and blizzards of 200 km/h (124 mph). Spitfire's resilience options ensure you're always protected from unexpected events.*

## What is resilient connectivity?

Connectivity is built by connecting your premise to Spitfire's network using an access circuit and a carrier network. While every effort is taken to ensure reliability of each of these elements, things can happen.

Resilient connectivity is designed to eliminate wherever possible any single points of failure by providing a second connectivity path with no commonality with the primary connection.
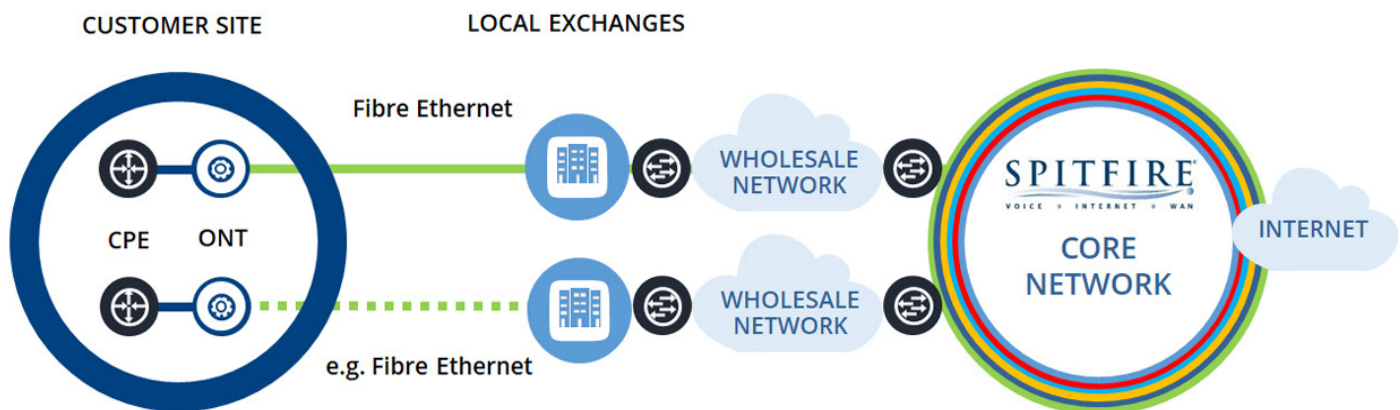
By providing the same public IP range and automatic failure, business impact can be minimised.

## Why do I need resilient connectivity?

Unforeseen circumstances can happen. This could leave you without connectivity for minutes, hours or in extreme circumstances, days.

What is the financial, commercial or productivity impact on your business?

With businesses increasingly reliant on cloud based applications and VoIP telephony, any loss of connectivity, however brief will have a significant impact.

## Key Benefits

Spitfire's resilient backup connections eliminate common points of failure using multiple approaches to resilience:

- **Geographic separation**

- **Carrier separation**

- **Spitfire core separation**

- **Circuit type differentiation**

Whether your concern is someone digging up your cable or a fault on the network, our solutions are designed to ensure your business stays connected whatever the circumstance.

### CONNECTION DIVERSITY
- Backup connections that use different routes, networks or technologies avoid common points of failure
- Connect to different parts of Spitfire's resilient core network
- Choice of leading carrier networks

### SEAMLESS FAILOVER
- Automatic failover from primary to backup and back
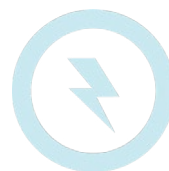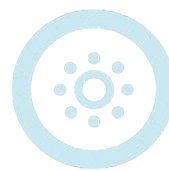- Same public IP range
- No manual intervention required

### COST EFFECTIVE
- Backup connections at a lower cost than than primary equivalent
- Avoid costly outages
- Avoid productivity impact

### CHOICE OF TECHNOLOGY
- Diverse Fibre Ethernet
- FTTC or FTTP Ethernet
- Mobile Ethernet
- FTTC or FTTP Broadband

### Why Spitfire?

Spitfire's range of connectivity solutions means that we can always provide a backup connection that truly eliminates single points of failure.

By utilising multiple carrier networks and having multiple points of connectivity into our own resilient core network we can ensure your backup connection's route is diverse from the primary.

All backup connections utilise the same public IP address range as the primary connection and automatic failover can be provided with one or more Spitfire routers. All providing a seamless transition to the backup connection when required.

**Spitfire's technical account managers can advise on which backup connectivity solution best reduces your business risk. Call us now to discuss your options.**

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