

BONDIT

Boost the speed & reliability
of your Internet connection

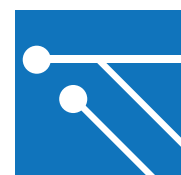
“One of our clients suffered from low internet speeds and unreliable lines – they were unable to get even 2 Mbps download speed on their two ADSL lines, and the unreliable lines were dropping at least once per day. 100 Percent IT bonded these two slow and unreliable lines into one stable bond. When both lines are up, the client benefits from twice the previous speed. When a line drops, the end users are now blissfully unaware as their internet access just continues to work.”

Entropie – an IT Reseller

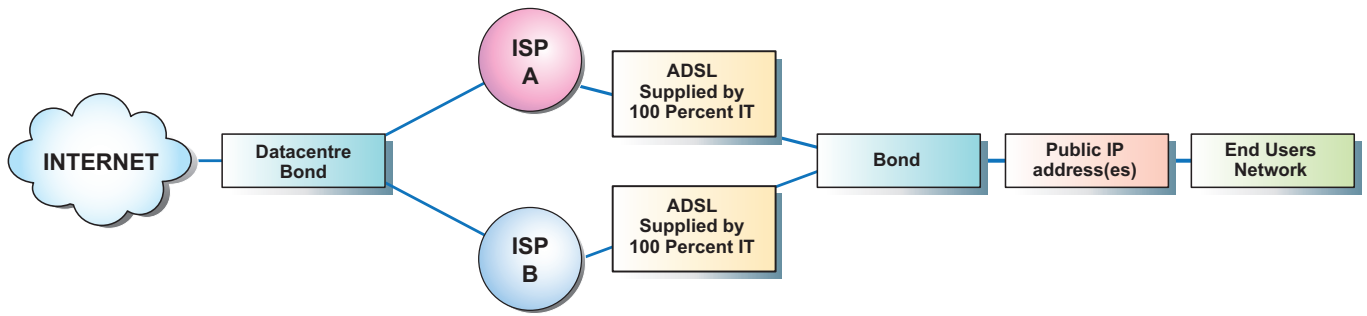
At a glance

BondIT provides you with a faster and more robust connection to the Internet. By bonding together two or more ADSL or leased lines, 100 Percent IT gives you the benefit of the combined speed and resilience of those lines for uninterrupted access.

[See over for details](#)



100%IT



The problems

- If you have a single, independent DSL line you are limited by its upload and download speeds – and if the line fails, you lose your internet access
- If you have two DSL lines you can only use one at once – and if the one you are using fails, your internet access will be down until you reconfigure your network to use the other line
- If you have a leased line you pay for its resilience with high charges

The BondIT solution

BondIT combines two or more lines together to give you almost double the upload and download speed of the individual lines. You automatically get a resilient connection: if one line fails the only thing you'll notice is that the speed of the bond is reduced to the single line. Bonded ADSL lines also have far lower running costs than conventional leased lines.

We can bond up to 8 ADSL and/or leased lines into one, but we are most often requested to bond 2 to 4 ADSL lines. We recommend that the ADSL lines come from different providers to maximise the resilience of the service; this ensures that if one network provider has a problem, the other line(s) should be able to continue uninterrupted.

With 100 Percent IT's BondIT service there are no high line installation fees, no complicated set up – just simple, fast internet access for a low monthly fee.

Who needs BondIT and why?

- Companies who require fast reliable internet access
- Companies who are based in areas without good ADSL coverage – bonding lines will enable them to benefit from the faster broadband speeds available in most parts of the UK
- Companies who currently have a small leased line (up to 10Mbps) and are looking to save money
- Companies who are looking to improve their current internet access speeds so that they can take advantage of new business technologies such as VoIP

The business case for BondIT

Some companies use a leased line as a legacy from the days when ADSL was slow and unreliable. Today, a bonded DSL service can save over 50% of the cost of a leased line every month while still providing a reliable, resilient connection. It will offer comparable upload speeds and significantly better download speeds. If the DSL lines come from multiple providers, it will offer higher reliability than a single DSL line, making it far more comparable to a leased line.

It is true that a leased line offers greater reliability than a single DSL line, often backed up by an SLA. But where the DSL line is part of a bonded connection, this does not have such a significant effect because the network will still be online – it will just run more slowly until the fault is repaired.

If internet access is mission critical for your business, it is possible to use a leased line and bond an ADSL line with it to deliver additional bandwidth and provide a back-up. Should your leased line fail, the ADSL will seamlessly take over until the leased line is fixed, protecting you against Internet downtime from a single line fault.

If you currently have only a single DSL line, bonding DSL lines will give you extra speed and bandwidth to handle the demands of your applications. 100 Percent IT can get a bonded line up and running in just a few days – without the expense and long lead times of a leased line installation.

How the solution works

You get the combined speeds of the lines (taking into account the effect of latency on TCP throughput), less a small amount for the bonding overhead.

As part of the bonding solution, we use the IP addresses of the ADSL lines to set up the bonding tunnel. 100 Percent IT then supplies you with IP addresses to use on your network. This means your IP addresses do not change regardless of which DSL line your data actually travels over... a major benefit if you need to host web/email servers on the connection or if you use a VPN.

Our centralised bonding servers, based in London, complete the bonding and pass the data to the Internet. The customer site needs a client router and there are two types to choose from – one with built-in ADSL modems so you don't need separate modems for the DSL lines, and one type without.

For more information visit www.100percentit.com

