

Why ITSP's Private xDSL?

ITSP have a major competitive advantage over rivals.

We use a specially created xDSL platform with fully integrated support for private routing domains. This platform enables us to create per-customer private routing domains without having to purchase additional hardware or software licences. Consequently our set-up times are faster and our costs lower than the competition.

This platform also gives unrivalled stability and rich diagnostic information that guarantee our customers the highest level of service.



What is ADSL?

ADSL and SDSL (collectively xDSL) connections normally provide Internet connectivity. With Private xDSL connectivity in the Internet is optional. Each line is primarily connected to a private routing domain or "cloud", not the Internet.

The objective of Private xDSL is to provide a superior replacement for traditional IPSEC/PPTP VPNs. Because these traditional VPN solutions are designed to work over the public Internet, they are by necessity complex. This complexity is what makes them unreliable and difficult to manage.

Private xDSL by contrast is far less complex, simply because the data between site does not traverse the Internet. Instead traffic is passed directly between sites via the private routing cloud.

Unlike IPSEC, there is no need to configure a mesh of tunnels between sites. Each site connects to the cloud which in turn gives that site access to all other sites within the cloud. With Private xDSL, configuring routers at each site becomes a trivial matter.

Because each ITSP customer operates within their own private "cloud" (or routing domain), they are free to use whatever private IP address they wish over their xDSL lines. this includes IP ranges such as 192.168.0.0/24 etc (RFC1918).

What about Internet access?

Most but not all of our customers also want to connect to the Internet. This can be done in a variety of ways that is permitted on the internet.

Alternatively, a single Internet gateway can be added to the private network either at one site (eg. your HQ.) or in our London co-location facility. This will enable you to operate as a single firewall/content filter for your entire network.

FEATURES and BENEFITS of PRIVATE xDSL

Features

Private routing domain managed centrally.

No need for complex VPN protocols.

Any IP addresses can be routed over the network.

Compatible with any BT line where SDSL, ADSL and ADSL Max are available.

Compatible with ITSP's leased lines.

Leased lines with line speeds from 2 Mbit/sec to 100 Mbit/sec are available.

Co-location facilities available in London.

Benefits

Router configurations are simple because complex routing and VPN configurations are handled centrally by ITSP.

Subnets used at existing site can immediately be used over a Private xDSL network. No IP address re-numbering is necessary.

Low set-up cost. Existing ADSL lines. Easy installation for teleworkers.

High bandwidth sites such as the organisations's HQ can be linked into the Private network over a leased line.

File servers, mail servers, terminal servers or any other system can be connected directly to the heart of the xDSL WAN.

