

1 Overview

COLT IP Access provides you with a dedicated permanent access to the public Internet and a range of end-user features such as access circuits, DNS, CPE routers and SMTP relay. In addition, a range of security and communication options are available.

2 Technology platform

COLT IP Access sites can be directly connected to our wholly owned and managed city and long-distance fibre-optic infrastructure. Synchronous Digital Hierarchy (SDH) circuits are used in both the city and long-distance sections of our network. They ensure high resilience by providing an alternative path in case of failure on one part of the ring.

3 Network access

COLT IP Access sites can be provided either:

- > On-Net using our fibre end-to-end (for premises directly connected to our network); or
- > Off-Net using third-party other licensed operator tails (leased lines) or our SDSL or partner xDSL infrastructure

4 Features

The following features are available as standard with the COLT IP Access Service:

Provider-aggregated IP addresses	A range of fixed, dedicated provider-aggregated IP addresses is provided
IP domain	One IP domain is included
Domain Name Services (DNS)	You can choose between using us as Primary and Secondary DNS, or using us solely as Secondary DNS
Network Address Translation (NAT)	You can select 'NAT' or 'No NAT'
Provider-independent IP addresses	You can use provider-independent IP addresses with most of the access technologies
Online performance reporting	Online service performance and service management reports are available as part of the IP Access service
Billing	We offer fixed or usage-based billing for IP bandwidth usage

5 Options

The following options are available:

Managed CPE router	We can supply, install, configure, manage and maintain the router on your premises as part of the Service
Resilient dual access	For business-critical Internet access services, it is possible to provide two separate CPEs connected via two separate access circuits. In addition a resilient access with a third-party ISP can be provided
Dial-up and DSL backup	We can protect the primary access circuit using an ISDN dial-up connection or a separate DSL circuit for backup purposes
Dynamic Host Configuration Protocol (DHCP)	We can provide DHCP services
Router configuration views	Read-only access to router configuration information is available via a secure website
SNMP read-only access	Provides visibility for the optional managed CPE router which terminates the IP access circuit at your site
Border Gateway Protocol-4 (BGP-4) feed	We can provide a BGP-4 feed for most access technologies (containing all or part of the BGP routes of the Internet). The BGP feed will periodically consume bandwidth on the access circuit
SMTP mail relay/backup	SMTP mail relay and SMTP mail backup services are available

In addition, a range of complementary Services can be provided with the baseline Service:

COLT IP Guardian	Provides enhanced protection against distributed denial of service attacks
COLT IP Domain	Enables you to register additional domains
COLT Router-Based Firewall	Allows you to enable firewall functionality on our managed CPE router
COLT IP Mail	Provides an e-mail platform without the need for infrastructure at your premises
COLT IP Webpace	Provides the tools required to build and maintain your own website