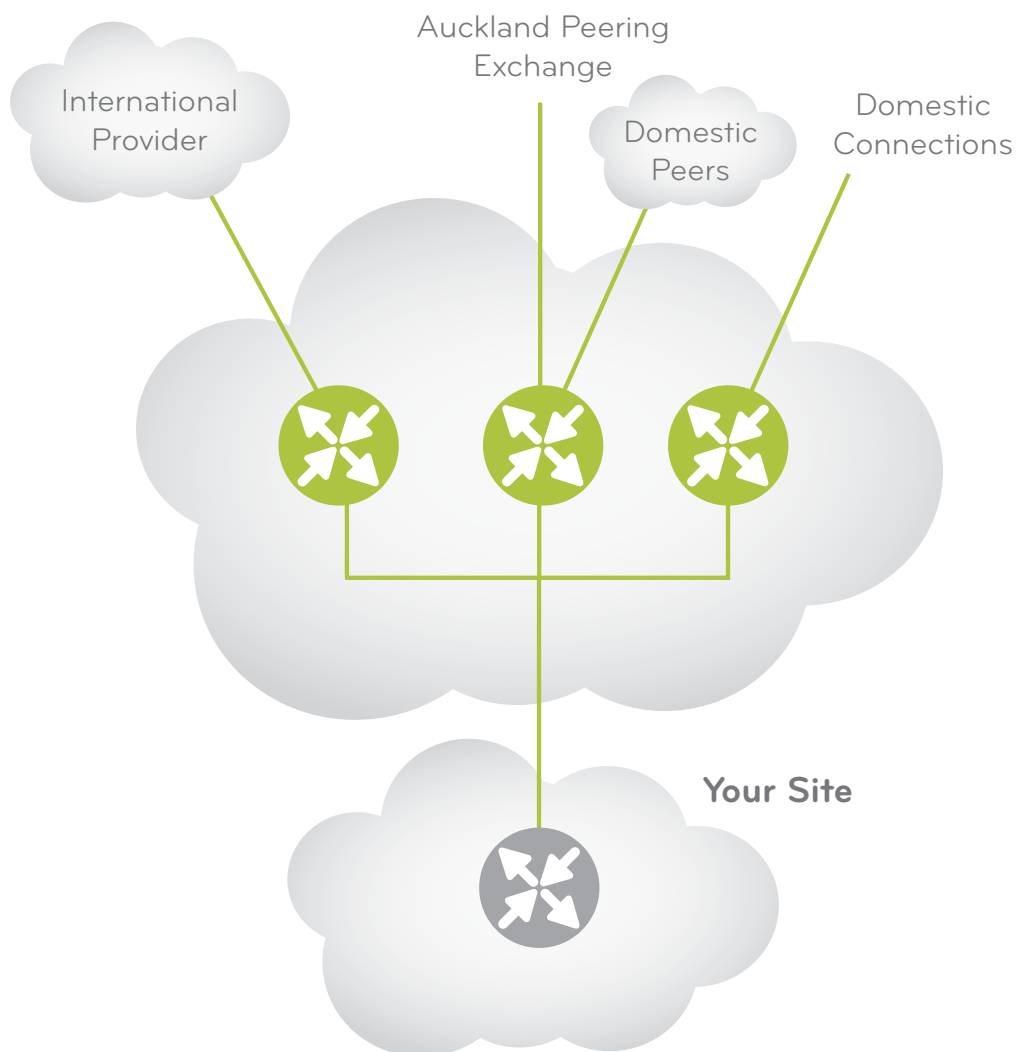


## ⚙️ HOW IT WORKS

DirectNet is delivered over your existing Ethernet connectivity. It gives access to the Internet which includes both international and domestic traffic. You choose the bandwidth you require and there is no limit on the total volume of traffic. This gives you full access to the public Internet, and to online servers you are licensed to access.

## 💻 TECHNOLOGY OVERVIEW

Our DirectNet service consists of dedicated access to domestic and international Internet beyond our network, and must be used with any network access service from Vector Communications. We cannot guarantee routing paths.



## SERVICE SPECIFICATIONS

Service Attributes (as per MetroEthernet specifications)	
Customer Connections	Copper (RJ45 connector): <ul style="list-style-type: none"> <li>• 10Base-T (10 Mbit/s)</li> <li>• 100Base-T (100 Mbit/s)</li> <li>• 1000Base-T (1000 Mbit/s)</li> </ul> Fibre (SC or LC Connection) only on MetroEthernet Standard: <ul style="list-style-type: none"> <li>• 1000Base-SX/LX/ZX (1 Gbit/s)</li> </ul>
Routing Protocols	Static and BGP routing protocols are supported. Customer must have their own AS Number to utilise BGP routing.
MAC Layer	IEEE 802.3
Mode	Full duplex
Interface Speed	10 Mbit/s, 100 Mbit/s, 1 Gbit/s
Bandwidth profiles	1, 2, 5, 10, 50, 100, 200, 500, 1000 Mbit/s
DirectNet Off-Peak Additional Bandwidths	10, 20, 50 or 100 Mbit/s
IP Address Management	Vector Communications will allocate IP address space to the customer for link addressing purposes. Should additional IP addresses (or address space) be required, customers need to submit a formal request including a basic network topology diagram and address utilisation plan.

Vector Communications does not provide hosting servers such as USENET news (nntp), Web (http), Mail (smtp/pop3/imap) or DNS hosting as part of this service. You are able to connect to any public or private servers on the Internet you are legally entitled to use.

The service is subject to Vector Communications Acceptable Use Policy.

## NETWORK SECURITY

DirectNet is an unfiltered service and as such Vector Communications cannot guarantee the content and sources of IP data coming via the Internet. It is vital that customers run their own security systems to protect their networks, equipment and business. Threats from external networks may include Denial of Service attacks or hackers. There may also be internal security breaches caused by viruses, trojans or insufficient security precautions.

Recommended security precautions include:

- Firewall/Router with packet filtering and application recognition capabilities
- One-time and dynamic passwords with two-factor authentication
- Anti-virus software/hardware

Make sure your business can enjoy the ease, versatility and flat rates of DirectNet.

Call Vector Communications, from within NZ on 0800 826 436, or internationally on +64 9 309 9367, or email us [contactus@vector.co.nz](mailto:contactus@vector.co.nz) today.