



vodafone
infrastructure
partners

ciena

Vodafone
Data Centre Connect
in partnership with Ciena

Tūhono ki te Paerangi
Powering NZ's connected future



Vodafone Data Centre Connect

Vodafone Data Centre Connect (DCC) provides a nationwide fabric, connecting data centres directly to each other, delivering point-to-point connectivity between data centres in Aotearoa New Zealand and public clouds.

This cutting-edge solution offers mission-critical high data transfer capabilities, including 100G, 200G and 400G Wavelength Services plus upgrade options, underpinned by robust technical architecture and technology from the industry-leading optical vendor Ciena. The Vodafone Data Centre Connect service has been designed as a competitive and simple commercial construct, encapsulated in one end-to-end product.

Features and Benefits



Flexible and dynamic

Based on new Colourless-Directionless-Contentionless (CDC) and flexible grid optical multiplexers, our network platforms provide the highest degree of agility and flexibility with the ability to send any service anywhere in the network, dynamically.



Simple yet elegant

Our platform is a nationwide fabric, connecting data centres directly to each other. No need to buy a combination of products and services, as Vodafone Data Centre Connect encapsulates this into one solution.



Speed to market

We know that time to service activation is important, so we have pre-installed nodes to make it much quicker to get you up and running.



Cost efficient

Vodafone's high-capacity network provides attractive commercial terms and a simple commercial construct regardless where you are on the capacity requirement curve.



Built in redundancy

Vodafone Data Connect comes with built in redundancy to secure network availability and result in a decreased failure risk along critical data paths.



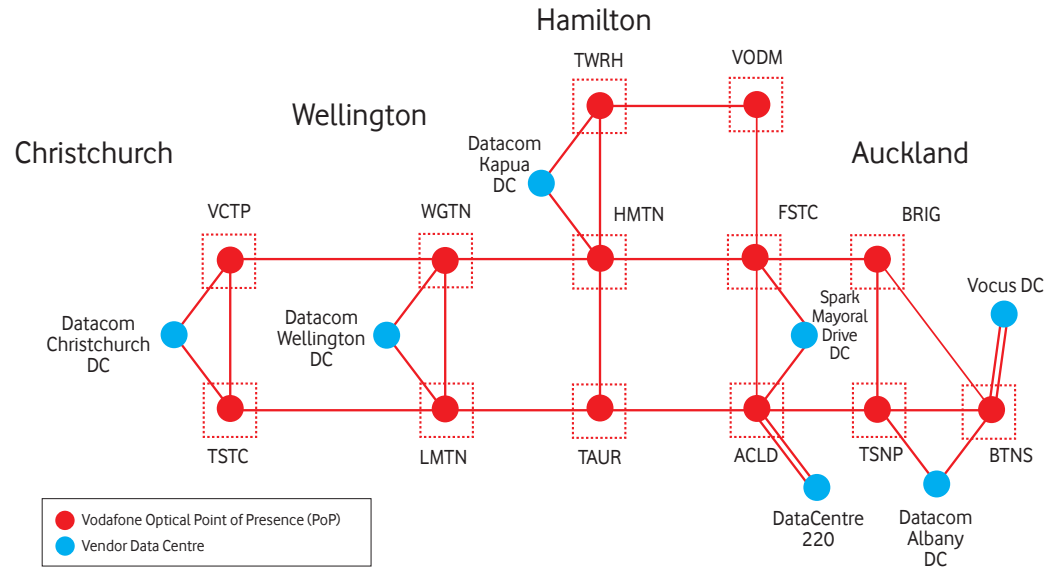
Robust technical architecture

Designed in conjunction with Ciena to enable higher availability, capacity, and self-healing.

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Network diagram



NB: Diagram only shows a subset of Vodafone PoPs in our nationwide optical network.

Technical specifications

Bandwidth	Signal Type	Classification	Fibre Type	Max Distance
10Gbps	10G Ethernet	10GBASE-LR	SM 1310 nm	10 KM
	OTU2 OTN	VSR2000-2R1	SM 1310 nm	2 KM
	OTU2e OTN	VSR2000-2R1	SM 1310 nm	2 KM
40Gbps	40G Ethernet	40GBASE-LR4	SM 1310 nm	10 KM
	OTU3 OTN	OTU3	SM 1310 nm	10 KM
100Gbps	100G Ethernet	100GBASE-LR4	SM 1310 nm	10 KM
	OTU4 OTN	OTU-4 4I1-9D1F	SM 1310 nm	10 KM
400Gbps	400G Ethernet	400GBASE-FR4	SM 1310 nm	2 KM

Get in touch

Our experienced New Zealand-based team provides 24/7 connection and assurance support. Contact us at wholesalenz@vodafone.com to discuss tailored solutions to help grow your business and customers.

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