

FibreChannel

Your transport solution for storage networking



FibreChannel enables you to reliably move large amounts of data at high speed between servers and shared storage devices. It is especially suited to Storage Area Networking, data replication and other data-intensive applications that require very low latency and consistent, committed throughput.

How it works

FibreChannel services are supported by the VectorFibre Optical Transport Network. This state-of-the-art network is based on the internationally accepted standard for optical transport (ITU-T G.709). We use Dense Wavelength Division Multiplexing to transport up to 40 optical signals of different wavelengths onto a single fibre pair, enabling data transfer speeds ranging from 1 to 40 Gbit/s. The signals are mapped transparently onto the different wavelengths, without touching user data.

FibreChannel provides a range of protection options to match your availability requirements.

Business Benefits

High Capacity

FibreChannel is designed to meet transport requirements of up to 10 Gbit/s.

Dedicated Connectivity

The provisioned bandwidth is dedicated to you alone and will not be affected by other network traffic.

Carrier-Grade Reliability

Protection options enable you to achieve the level of service availability you require from 99.9% – 99.999%.

Flexibility

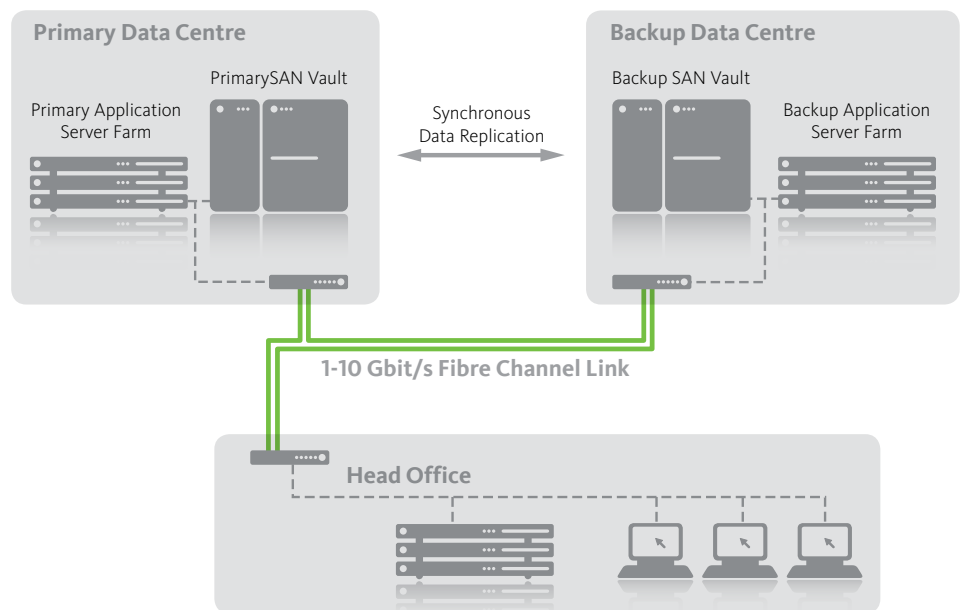
Services can be scaled from 1 Gbit/s to 10 Gbit/s to meet your requirements as they grow over time.

Transparency

Our ITU-T G.709 compliant Optical Transport Network means that your data is not touched during transport.

Technology overview

FibreChannel connects application servers with your Storage Area Network and backup data storage, irrespective of where they're located. This provides for effective SAN and application server replication through reliable, high-capacity links.



Service Specification

Performance Characteristics	
Latency	< 2ms
Jitter	< 2ms
Bit Error Rate	10^{-12}
Demarcation Points	Optical demarcation, with a patch panel installed at the customer site as directed. Connection type SC, unless otherwise specified.
Service Availability	99.9% to 99.999%. (depending upon protection options)

Redundancy / Protection options	
Core protection	Optical layer, sub-50ms protection switching upon loss of signal or exceeding pre-defined thresholds.
Access protection	Please contact your Account Manager to discuss your specific access protection requirements.

Service and Interface Specifications	
1 Gbit/s-FC	100-M6-SN-I, 100-SM-LL-I, 100-SM-LL-L, 100-SM-LL-V
2, 4, 10 Gbit/s-FC	Please contact your Account Manager to discuss your options

Make sure your business gets the full benefit of FibreChannel as soon as possible.

Call Vector Communications on **0800 826 436** or email contactus@vector.co.nz today.