Private cloud & recovery · Professional services

A two-site private cloud for nearly 900 TB of business data

A client needed resilient infrastructure while retaining control of nearly 900 TB of critical data. We built Hyper-V and Synology clusters across two NEXTDC data centres, connected by dark fibre, with off-site backups.



900 TB	2	4+4	2 Gbps
of client data protected across two data centres	NEXTDC data centres with automatic failover	Hyper-V hosts and Synology appliances per site	symmetrical Vocus office internet

Before

• Nearly 900 TB of live client data with no tolerance for loss or extended outages.

• Office-based servers had no automatic failover; a hardware failure could stop the business.

• No recovery site for a fire, flood or extended office power outage.

• Slow backup jobs shared the internet connection with staff traffic.

After

• Business data protected across two NEXTDC data centres.

• Four Hyper-V servers and four Synology appliances at each site.

• Clustered storage and live failover between nodes.

• Dark fibre links to the office and 2 Gbps symmetrical Vocus internet.

Built to keep working

We racked and configured a four-server Hyper-V cluster at each NEXTDC site, alongside Synology storage clusters. Replication and automatic failover provided a second location for critical systems.

Dark fibre connected the infrastructure and the client’s office. Veeam handled backup and copying to Wasabi over an express route, while the office’s Vocus 2 Gbps / 2 Gbps fibre was sized for the private cloud’s traffic.

In the client’s words

“We now lose sleep over our clients’ work, not our infrastructure. Unicorn built us something that survives a datacentre going dark, and they proved it by pulling the plug in front of us.”

— Managing director, professional services firm

Could we help your business?

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