

Hyper-V Replication Across Two Next DC Data Centres

An enterprise needed a resilient, geographically separated Hyper-V cluster with real-time replication between two Next DC facilities. We built a four-host, two-SAN environment connected by dedicated dark fibre and dual Dell switch stacks.

KEY RESULTS

4

Hyper-V hosts across two data centres

2

SAN arrays with synchronous replication

2

Dell switch stacks for redundant core networking

Dedicated

dark fibre link between Next DC sites

BEFORE

- Critical workloads running from a single data centre with no live disaster recovery site
- Recovery objectives demanded near-zero data loss and fast failover for business systems
- Storage replication between sites needed consistent, low-latency performance
- Network layer required redundancy and enough bandwidth for both production and replication traffic

AFTER

- 4 - Hyper-V hosts across two data centres
- 2 - SAN arrays with synchronous replication
- 2 - Dell switch stacks for redundant core networking
- Designed an active-passive Hyper-V cluster split across two Next DC data centres

"We went from a single point of failure to a true DR posture. Knowing our critical systems can come up at the second site in minutes changes how we think about risk."

- Infrastructure manager, enterprise organisation