GreenSquare

Azure Site Recovery

Next generation disaster recovery services

ARS **Azure Site Recovery** *and* ***StorSimple***

Microsoft Azure is a cloud computing platform and infrastructure created by Microsoft for building, deploying, and managing applications and services through a global network of Microsoft-managed data centers.

What is wrong with traditional disaster recovery?

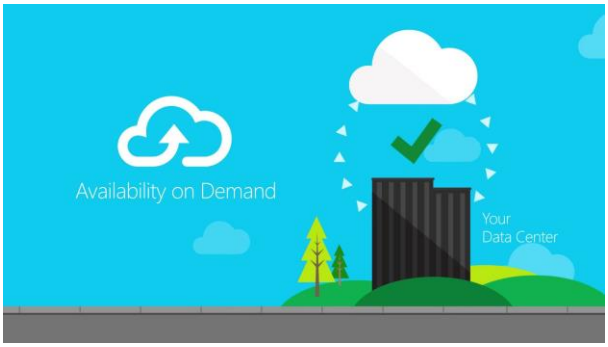
Traditional disaster recovery

Pros

- Well accepted mature facilities
- A mature industry
- Technical support usually included
- Regular DR simulations via testing

Cons

- Long RTOs and RPOs
- Will magnetic media really work when you need it
- Tin on the road
- Expensive and slow



What were GreenSquare's drivers for change?

- Office accommodation review
- Dissatisfaction with GreenSquare's approach to disaster recovery
- Limited ability to test full or partial restoration of services
- No technical testing or sandbox environments to rehearse recovery scenarios
- The desire to move from a slow recovery/24 hr RPO to a fast recovery/30 second RPO
- Cost savings
- Future proof
- Simplify the technical processes
- Reduce risk - skills and recovery resources

What options did we consider?

- Continue as we are
- SAN replication
- Zerto replication to another passive data centre
- Private cloud

- Public cloud
- Hyrbid cloud

Why did we choose Microsoft Azure public cloud?

- SCE Server Cloud Enrollment was the most cost effective solution for GreenSquare
- It was compatible with VMWare (via Inmage scout)
- Offered us DR services and online backups
- Quick to implement
- Easy to execute a full or partial recovery
- Offers sandboxing of servers for application testing/upgrades
- Backed by Microsoft and fitted well with GreenSquare's Office 365 and desktop strategy for SAS/Cloud delivery

What are the ultimate benefits?

- Lower costs by not having to run a second data centre that was never used! Lower power consumption cooling etc.
- Speed of recovery - minutes rather than days - rapid RTOs
- A chronology of rollback points for each protected server - multiple RPOs
- Less reliance on skills and resources to effect a full or partial recovery
- Recovery can be invoked from anywhere at anytime
- Paves the way for cloud platforms, cloud servers and cloud delivered applications - hybrid
- Sandboxed dev/ops platform for testing purposes and development
- Jointly owned DR runbook
- Opex spend rather than capex
- Future proof