

## CASE STUDY

**Company**  
Synbiotix Solutions Ltd.

**Website**  
[www.synbiotix.com](http://www.synbiotix.com)

**Customers Business**  
Software Development



## *How we helped Synbiotix migrate their on-premise dev environment to a Storm Private Cloud.*

### About Synbiotix Solutions Ltd.

Synbiotix are a software development company specialising in building systems primarily within the Healthcare industry for audit, governance, compliance, RAG ratings and Key Performance Indicators. The company has created a fully integrated and modular platform which encompasses a full Audit and Governance toolkit, specialist clinical systems and an end-to-end suite of tools within an HIS/PAS system which has been tried and tested in one of the most demanding health economies in the world (UK) and can, very simply, be applied anywhere.

### The challenge

As with many software companies, Synbiotix's development environment resided on servers located within their office. Managing and maintaining this environment, giving remote access to their developers and frequent office moves highlighted the risks, expense and restrictions of having an on-premise setup. Synbiotix came to Storm Internet for help creating a solution that could replace their on-premise infrastructure, but at the same time guarantee business continuity, be secure and resilient, scale on-demand and be backed by round-the-clock support.

*"We wanted to move away from having IT resources on-premise with the risks, capital costs and support implications this imposed."*

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### The solution

Our solution was simple. Using a Storm Private Cloud, we re-created Synbiotix's development environment using virtual machines. Connection to this new cloud based environment is via a secure and restricted VPN, ensuring the development servers are kept away from the public internet, providing complete privacy and security whilst mirroring their previous physical setup.

Built on two Hypervisor servers with dual PSUs and independent source power feeds to the rack, we used advanced Virtual SAN technology to pool the hypervisors' disks, creating a large Virtual SAN made from local storage. VM data storage is strategically mirrored across these hypervisor disks like a traditional SAN RAID array meaning failed disks can't cause downtime and can be replaced with a healthy unit quickly without affecting VMs.

**The icing-on-the-cake came through StormReflex (DRaaS) which was used to mirror the entire cloud infrastructure in real-time onto identical hardware at an independent site. Seamless failover in a disaster scenario prevents data loss and downtime. Off-site N+1 secondary backups 240km away (Manchester) mitigate potential geographical disasters.**

### Reason for choosing Storm over other providers:

*"Storm designed and proposed a dedicated Private Cloud infrastructure which not only met our needs for current business IT operations but also allowed for future growth."*

### To find out more about our services, contact us:

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Witney, Oxfordshire OX29 4DB

**STORM**  
INTERNET

### The results:

Hardware Related CapEx Eliminated

Vastly Improved Security

Significantly More Resilience

On-Demand Scalability

Internal Teams Free To Focus On  
Business Critical Objectives

Instant VM & OS Configuration  
With Customisable Templates

