



CASE STUDY

ONTEX BVBA

LOCATION: BELGIUM

INDUSTRY: MANUFACTURING

StorMagic SvSAN's real-time failover capability helps keep personal hygiene manufacturer Ontex's production lines running 24x7



BUSINESS CHALLENGE

Ontex is a multi-national manufacturing company and one of the world's leading suppliers of disposable personal hygiene products.

At their site in Eeklo in Belgium, they run a fully automated factory with up to 24 production lines operational day and night. Should a system component fail and a robot stop working, it has a huge impact on the business and David Tourny, the sole IT support resource for the factory,

found himself being called in at all times of the night and day to fix problems.

David had chosen an initial "green" infrastructure and now he turned his attention to virtualized storage. High on his list of priorities was real-time failover, ease of set-up and low cost.

SOLUTION

Ontex deployed SvSAN on two Dell servers in a stretched cluster in different buildings across the site to increase resiliency and virtualized with VMware vSphere 6.0. SvSAN's ability to enable a stretched cluster to combat against localised flooding, fire or power outages was key in the architecture design.

WHY STORMAGIC

SvSAN from StorMagic provides Ontex in Eeklo all of the



As the sole IT support resource for the Eeklo factory, it is my responsibility to ensure we have real-time failover so that production is never interrupted. StorMagic SvSAN gives me this confidence.



David Tourny
Ontex



SvSAN is:



SIMPLE
Set and forget

Lightweight high availability with minimal requirements and easy to deploy and manage



FLEXIBLE
Choice and control

Use any x86 server and storage configuration, to deliver performance while scaling for future growth



RELIABLE
Safe and secure

100% uptime with shared storage that minimizes disruption, keeps data secure, and protects against disasters

real-time failover capabilities they require at a manageable cost. Currently 20+ virtual machines reside on SvSAN shared storage at this site. Ontex has deployed SvSAN as a cluster, with servers providing resilience - in the event of component failure, the system seamlessly switches to the other server allowing David to attend to the failure during his normal working day, confident that his local files - for instance, production and staff scheduling and

management - are unaffected. one server at one end of the building and the second at the other end. Synchronous mirroring writes to both servers providing resilience - in the event of component failure, the system seamlessly switches to the other server allowing David to attend to the failure during his normal working day, confident that his local files - for instance, production and staff scheduling and management - are unaffected.

Server Configuration (Per Server)

SvSAN License	SvSAN 12TB Gold
Hardware	Dell
CPU	2 x Intel E5 8 Core processors
Memory	200GB per server
Storage	5TB usable SvSAN storage Mix of: 5 x 450GB 10K RPM (RAID 5) for critical applications and, 5 x 1TB 7.2K RPM (RAID 6)
Networking	4 x 10GbE NICs for front-end application traffic 4 x direct connect 10GbE connections for SvSAN mirroring
Hypervisor	VMware vSphere 6.0 Essentials Plus Kit
Applications	21 virtual machines running a mix of Windows Server 2008 R2, Server 2012 R2 and Windows 7 operating systems 3D design application Electronic label printing application MAAS - manufacturing application Siemens WinCC SCADA - for robot monitoring and control Forklift telemetry monitoring - speed, location, etc. SQLServer DB for in-house applications Desktop virtualization using Citrix for 30-40 concurrent users Back office applications: Active directory, DHCP, print server, management and network monitoring
Data Protection	CommVault for backup and recovery

