//// StorMagic

CASE STUDY

DRUCKEREI RINDT GmbH & Co KG

LOCATION FULDA, GERMANY **INDUSTRY** IT/ PRINTING SOLUTIONS

Druckerei Rindt GmbH & Co KG Realizes >50% Performance Increase and 100% Uptime with StorMagic SvSAN

BUSINESS CHALLENGE

Druckerei Rindt GmbH & Co KG is a traditional sheetfed offset printing company that has existed for over 80 years. Its experience coupled with state-of-the-art machinery make it a high-performance and above-average service-oriented printing company. As a technical and creative partner, Druckerei Rindt offers services including consultation, pre-press, printing and book binding.

Druckerei Rindt manages its internal data for compute, and also printing and graphics data from customers. They previously used a single node Dell ESX server with local Datastore and VMWare hypervisor. The system presented a single point of failure, had slow performance rates and did not offer enough capacity to accommodate future storage needs. They began searching for a redundant, reliable, cost-effective Dell ESX /VMWare cluster system. High capacity and performance were key requirements for the environment refresh.

SOLUTION

Druckerei Rindt was impressed with StorMagic SvSAN's reliability and cost efficiency in a multi-node hardware storage solution. Running on two Dell R740xD Servers, they chose SvSAN with its performance-enhancing SSD caching features. In their new configuration, approximately ten virtual machines (VMs) reside on SvSAN shared storage per server. Windows Server 2012 R2-2019 are the guest VMs. The SvSAN cluster is managed through a WebGUI and VMWare's vCenter plugin.

"StorMagic SvSAN added significant reliability and performance improvements into our environment. StorMagic's Predictive Storage Caching feature reduces I/O latency by identifying hot data, and ensuring that it is in cache."

Sebastian Jerabeck
Executive Director, Druckerei Rindt GmbH & Co KG

Server Configuration (Per Server)

SvSAN License	SvSAN Unlimied TB Gold
Servers	Two Dell R740xD Servers
CPU	Xeon Gold 6134
Memory	196 GB
Storage Capacity	9+1 3 TB 7K SAS (30TB), 2x 480 GB SSD as Cache
Networking	10GbE, Broadcom BCM57412 + BCM5720
Hypervisor	VMware vSphere ESXi 6.7.0 10764712
Applications	Windows Server 2012R2, 2016, 2019, MySQL, Active Directory, Fileserver, Acronis File Connect
Data Protection	Veeam Backup & Replication

WHY STORMAGIC

Druckerei Rindt chose StorMagic SvSAN for several reasons, including:

HIGH PERFORMANCE
Druckerei Rindt is experiencing a >50 percent improvement in performance rates compared to its previous environment.

HIGH AVAILABILITY
Druckerei Rindt GmbH has experienced 100 percent uptime since installing SvSAN.

COST EFFECTIVE
SvSAN eliminates physical SANs by converging compute and storage into a lightweight commodity x86 server footprint, thereby dramatically lowering costs. StorMagic SvSAN is on average 50 percent less expensive than traditional physical SAN alternatives.

ADDED REDUNDANCY
Physical SANs must be taken offline to run maintenance operations and routine updates. With SvSAN, downtime is virtually eliminated.

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