Electronics Box ensures 24/7 operation of its alarm monitoring central station by creating a redundant stretched cluster with StarWind Virtual SAN (VSAN)

About the Company

Electronics Box is a Polish company based in the city of Lodz. It specializes in the installation, repair, and supply of burglary and fire alarm systems, as well as CCTV and access control. The company also runs an alarm monitoring central station.

Industry

IT & Services

Location

EMEA (Poland)

Solution

StarWind Virtual SAN (VSAN)

"StarWind was the first system I found that gave me hope. Now we have a redundant storage system, so our cluster system is fully fault-tolerant."

Grzegorz Magierski, Owner

Challenge

Before StarWind Virtual SAN (VSAN) deployment, Electronics Box had a 2-node Windows Server failover cluster with a shared storage system based on a single SAN and Microsoft Hyper-V on top. While the setup was almost satisfactory, the single SAN posed a significant risk due to its lack of redundancy. With clustered SQL servers and mirrored databases, data loss was a concern, and interruptions in data processing were unacceptable.

Finding a solution that offered both redundancy and simplicity at a reasonable cost was crucial.

Solution

Electronics Box turned to StarWind VSAN for its reliability and reasonable price. By deploying two 2-node StarWind VSAN solutions, Electronics Box created two clusters of Windows Hyper-V servers, each with its own redundant storage system. These clusters were located in different sites but connected via a high-speed fiber optic connection for added resilience. A stretched cluster allowed for seamless failover and ensured data continuity, with disaster recovery VMs replicated between locations.

StarWind VSAN provided the desired redundancy for Electronics Box and eliminated the single point of failure posed by the SAN.

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