

Slovenian Sovereign Holding (SSH) gets a highly available and fault-tolerant clustered environment with **StarWind Virtual SAN (VSAN)**



About the Company

Slovenian Sovereign Holding

(SSH) is a Slovenian fully state-owned company based in Ljubljana. It has the largest portfolio of state capital assets in Slovenia and manages the state's ownership interests in 65 companies. Also, the company specializes in running the privatization processes, settling of State's liabilities, and denationalization.

Company Profile

Finance

Contact Person

Robert Ivanusa, Director of IT

Problem

The company needed a shared storage solution to create a stretched cluster.

Solution

With StarWind VSAN, the company built a stretched cluster, got HA and fault tolerance, and met the strictest RPO and RTO requirements.

Problem

Before StarWind Virtual SAN (VSAN) deployment, **SSH** had a non-clustered environment with 3 physical servers and 20 virtual servers and VMware vSphere on top.

With a missing stretched cluster, protecting physical machines from any hardware and software failures, achieving high availability (HA) was not possible. In addition, relying just on backup software and operating system scripts for cloning or copying virtual machines (VMs) presented too much operational risk and a lot of painstaking small jobs.

Given the ever-present risk of IT infrastructure disruptions, providing data protection and meeting Recovery Point Objective (RPO) and Recovery Time Objective (RTO) requirements were open to question, not to mention the possibility of business contingency planning. Introducing shared storage into the IT environment and moving to hyperconvergence would make it possible to resolve all the company's problems.

SSH evaluated all major vendors in the market and compared the price-performance part of each solution. StarWind was the only vendor in the market who offered more for less.

Solution

SSH has chosen **StarWind VSAN** because it allowed creating a hyperconverged environment in one part of production in the primary data center with synchronous replication to a disaster recovery center. Thanks to StarWind synchronous failover clustering, now the company's data and applications are running 24/7 and high availability is in place. Building a stretched cluster prevented any downtime in case of hardware failure or power outage. Delivering active-active Stretched Clustering support and VM Live Migration, StarWind VSAN ensures constant uptime for mission-critical applications. Needless to say, such a fault-tolerant and highly available IT environment was built without making any changes in existing hardware resources. But more importantly, with **StarWind VSAN** RPO and RTO actually equal to zero since a 2-node system tolerates one disk and one node failure and keeps on operating without impacting production. Thanks to VSAN, even after six months, the IT infrastructure of SSH runs like clockwork.



StarWind ended as the best overall solution, feature-wise and price-performance value. Out-of-the-box product worked as specified by the vendor.

Robert Ivanusa, Director of IT