

# Enter Engineering PTE Ltd. maintains high availability (HA) with **StarWind Virtual SAN (VSAN)** even in case of a total blackout



## About the Company

**Enter Engineering PTE Ltd.** is an Uzbek company that specializes in the construction of industrial and technological facilities in the oil and gas industry. The company executes engineering, procurement, and construction (EPC) contracts and provides a range of construction works while implementing "turnkey" projects.

## Company Profile

Construction & Engineering

## Contact Person

**Nikolay Shulga**, IT manager

## Problem

The company needed shared storage to tackle the problem of equipment incompatibility and lack of high performance.

## Solution

With StarWind VSAN, the company got reliable shared storage working on commodity off-the-shelf hardware, replicating data in real-time mode, and providing fault tolerance and HA even in the event of a complete power outage.

## Problem

Before implementing the StarWind solution **Enter Engineering PTE Ltd.** had a Windows storage environment with Hyper-V on top. The company was in search of virtual shared storage that would eliminate the issue of equipment incompatibility and fit into the existing IT infrastructure. The desired storage was also to replicate data in real-time mode, maintain high performance, and provide fault tolerance and high availability (HA) even in the event of a complete power outage.

## Solution

**StarWind Virtual SAN (VSAN)** hit the bull's eye in terms of the company's requirements satisfying the quality-price position. It eliminated a need in physical shared storage and fitted as original into existing an IT environment. StarWind VSAN works great on commodity off-the-shelf hardware and doesn't require any hardware compatibility lists (HCLs). StarWind shared storage operates on a principle of mirroring internal hard disks and flash between hypervisor servers while maintaining high performance and data HA on minimalistic resources. It should be noted that **StarWind VSAN** had a reality check providing HA in conditions of unexpected power-off. The synchronization process between all nodes of the HA cluster was preserved and no data was corrupted. StarWind VSAN replicates data from one node to another in real-time mode, which allows clients to use iSCSI Multipath I/O (MPIO) and perform parallel read/writes operations. This factor improves overall performance of an IT infrastructure. StarWind Web-based Management providing the ability to access and manage a StarWind storage infrastructure via HTML5 web console from any location and qualified online support became additional catches for the company. **Enter Engineering PTE Ltd.** is very satisfied with VSAN operation and plans to cooperate with StarWind on an ongoing basis in the future.



**StarWind has high performance and qualified online support.**

**Nikolay Shulga**, IT manager