

Allied Engineering & Services (Pvt.) gets unlimited storage capacity with existing hardware thanks to **StarWind**

Allied

About the Company

Allied Engineering & Services (Pvt.) Ltd, founded in 1976, is the authorized dealer for Caterpillar Earthmoving Machinery and Power Generation Equipment in Pakistan. The company's headquarters is located in Karachi and it has offices in Lahore, Islamabad, Multan, Faisalabad, Peshawar, and Quetta. In order to ensure effective support to its customers and facilitate communication between offices, a high-performance IT infrastructure must be provided.

Industry

Power generation & Earthmoving machinery

Contact Person

Mahmood Elahi, Group Manager IT

Problem

The company required a shared storage solution to build bottomless storage with existing company's hardware.

Solution

With StarWind VSAN, the company ensured efficient storage use, backup management, and the utilization of VMware vSphere advanced features.

Problem

Before StarWind Virtual SAN (VSAN) deployment, **Allied Engineering & Services (Pvt.)** used direct-attached storage (DAS) for each server with VMware vSphere on top. Such an infrastructure offered an inefficient way to manage corporate decentralized storage. In addition, storage could not be shared easily and could not provide fault tolerance (FT) in case of a server failure due to non-utilization of VMware vSphere advanced features. There were also issues with the inefficiency of storage and compute utilization. So, what kind of infrastructure do we have without a shared storage solution? A solitary one answer: non-fault tolerant and non-highly available.

Solution

Allied Engineering & Services (Pvt.) has chosen StarWind VSAN because it could provide full-fledged shared storage. **StarWind VSAN** helped replicate the underlying storage of the available x86 server and present it as shared iSCSI storage. In this way, the capabilities of efficient storage use, backup management, and the utilization of VMware advanced features have become available for the company. In addition to these benefits, **StarWind VSAN** is easily deployed and managed on the existing company's hardware and has a licensed feature of unlimited capacity. Using StarWind VSAN, the company has achieved fault tolerance and high availability (HA). Thanks to shared storage, the company enjoyed VMware VMotion technology providing the live migration of running virtual machines (VMs) from one physical server to another with zero downtime.



We tried other solutions and found the StarWind's one easy to install and manage. Unlimited capacity license is also a very good feature. Resulting infrastructure has very good performance.

Mahmood Elahi, Group Manager IT