StarWind by DataCore

CUSTOMER SUCCESS STORY

LocalTel Communications ensures reliable performance for 200 virtual machines by creating highly available shared storage with StarWind Virtual SAN (VSAN)

LocalTel We're All About You

About the company

LocalTel Communications, a subsidiary of Computer 5 Inc., founded in 1982, is a telecommunications provider delivering telephone, Internet, television, and IT services.

Industry

IT & Services

Location

North America (United States)

Solution

StarWind Virtual SAN (VSAN)

"StarWind allowed us to move away from a tightly coupled, hardware-dependent HCI platform to a flexible, software-defined architecture. Overall, the resulting infrastructure fully satisfies our operational and business requirements."

Michael J. Gage,
Network Operations Manager

Challenge

Before deploying StarWind Virtual SAN (VSAN), LocalTel Communications had an end-of-life storage infrastructure that could no longer support business growth. The legacy storage platform exhausted available resources and began experiencing failures that compromised the integrity of iSCSI targets used by the VMware vSphere environment. These issues threatened the availability of production workloads while consuming valuable administrative time.

The company needed a highly available (HA) storage solution capable of sustaining heavy I/O workloads and ensuring reliable data replication.

Solution

LocalTel Communications deployed StarWind VSAN by first validating it with non-critical virtual machines before migrating production workloads. A spare storage server was repurposed as the initial node, followed by the addition of a second node to enable HA. During migration, a RAID controller failure took an entire node offline, yet StarWind VSAN maintained uninterrupted storage availability until the hardware was replaced and synchronized.

The deployment was later expanded into a three-node HA cluster supporting approximately 200 VMware virtual machines with workloads ranging from idle to intensive I/O. Since implementing StarWind VSAN, the company has achieved stable storage performance without service-affecting datastore maintenance.