

Ayuntamiento de Calp ensures 24/7 access to critical citizen services by creating a highly available storage infrastructure around **StarWind Virtual SAN (VSAN)**



About the company

Ayuntamiento de Calp is the municipal government of Calp, a coastal town in Alicante Province, Spain. It is responsible for delivering public services and managing local administration.

Industry

Government

Location

EMEA (Spain)

Solution

StarWind Virtual SAN (VSAN)

"With the infrastructure provided by StarWind VSAN, we have replicated the data of both sites in real time, obtaining a very powerful and scalable DR solution with high availability, which meets the objectives set at the beginning of the project."

Genaro Tur Calatayud,
Company Representative

Challenge

Before deploying StarWind Virtual SAN (VSAN), Ayuntamiento de Calp operated a VMware-based virtualization environment backed by a traditional shared storage array connected to multiple hosts. While the infrastructure provided centralized storage, it lacked a software-defined storage layer capable of maintaining real-time data replication between geographically separated sites. The organization required higher data availability and stronger disaster recovery capabilities without sacrificing scalability.

Existing architecture limitations made it difficult to implement an efficient cross-site replication strategy and provide continuous protection for critical workloads. A more flexible and cost-effective solution was needed to ensure high availability (HA) and improve resilience across both locations.

Solution

Ayuntamiento de Calp deployed StarWind VSAN with one node installed at each site and synchronous replication enabled between them. The two StarWind nodes provide shared storage services to the VMware virtualization infrastructures operating at both locations while continuously replicating data in real time. The software-defined architecture eliminated dependence on traditional storage arrays and delivered an HA, scalable disaster recovery platform.

As a result, the organization achieved continuous data protection, increased storage flexibility, and improved service availability while retaining the ability to expand the infrastructure in future projects.