

Integrated Security, Safety and Video Management Solution. **Bosch Security Systems and StarWind**

The Bosch Security Systems is a leading global supplier of security, safety, and communications products, solutions and services. The product portfolio includes video surveillance, intrusion detection, fire detection and voice evacuation systems as well as access control and management systems.



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About the Company

Bosch Security Systems (a division of Bosch) is a leading global supplier of security, safety, and communications products, solutions and services.

www.boschsecurity.com

Industry

Security & Safety

Audio & Communication

Problem

Create a low cost & low footprint redundancy solution for Bosch Security Software.

Solution

StarWind Virtual SAN is used to provide redundancy on just 2 nodes, reduce the overall cost of High Availability infrastructure, lower power consumption and build a Hyper-V failover cluster without a hardware SAN.

PROBLEM

Achieving High Availability in security & safety systems with conventional means is either expensive, or time-consuming in terms of specialized staff for Security Systems Integrators. BVMS (Bosch Video Management System) and BIS (Building Integration Systems) are enterprise-class software products enabling intellect in the safety and security management of buildings. Bosch Security Softwares manage most of the different security & safety components of a building: Video Surveillance, Access Control, Fire Detection, Public Address, Intrusion and other systems. This integration allows security operators to react rapidly and efficiently, to safety and security emergencies. Both these software products are designed to be used in critical infrastructures (airports, metro, railway, etc.) as well as in defense, prisons, industrial sites, city & public surveillance, health care and more. For enterprise customers, downtime and failures are not tolerated. For Security Systems integrators, high costs and complexity is not an option.

SOLUTION

On top of their decentralized architecture enabling a market leading resiliency towards components failure, Bosch Security Softwares (BVMS & BIS), are certified to run, in a Highly Available manner, on Microsoft Hyper-V Failover Cluster. Hyper-V Failover Clusters usually require a shared storage. iSCSI/FC shared storages are notoriously expensive, complex to configure, have a large rack and thermal footprint. StarWind Virtual SAN is entirely software-based, hypervisor-centric virtual machine storage. It creates a fully fault-tolerant and high-performing storage pool that is built for the virtualization workload "from scratch". StarWind VSAN basically "mirrors" inexpensive internal storage between hosts. It eliminates any need for an expensive SAN or NAS or other physical shared storage and seamlessly integrates into the hypervisor for unbeatable performance and exceptional simplicity of use. StarWind allows BVMS and BIS to run on a high performance, low cost, low footprint and low power consumption Hyper-V Failover Cluster. This solution is simple for Bosch partners to setup and maintain without expensive knowledge in house.