

# StarWind Virtual SAN enhanced performance with its approach to L1 and L2 caches, which improved the overall system maintenance in **VISMA** company.



## About the Company

**VISMA** is a leading European company that provides software for automation and management of business processes. In particular, the company comprises five business areas that correspond to its strategic positions in such segments as Enterprise, SMB, Commerce Solutions, Custom Solutions and Retail. For more than 15 years already **VISMA** has been successfully developing solutions and software that facilitates administrative processes and brings advantages into the customers' businesses.

## Company Profile

Software Development

## Contact Person

Ciprian Visa

## Problem

**VISMA** was trying to achieve more features on top of the existing Windows Server iSCSI target role server and improve performance by using cache operational principles.

## Solution

**Visma** selected **StarWind Virtual SAN** due to its operational principles of L1 and L2 cache memory. Its way of implementation along with recommended cache policies managed to boost the overall system performance.

## Problem

The company's infrastructure comprised POC, home lab and pure testing environments composed of 10 hosts with ESXi and Hyper-V.

**VISMA** was trying to achieve more features on top of the existing Windows Server iSCSI target role server and improve performance using cache operational principles. Therefore, the company needed an appropriate solution that could fulfil those requirements.

## Solution

To satisfy the existing demands, **Visma** decided to select **StarWind Virtual SAN** product. It is user-friendly, easy to configure and integrate both with Windows Server and VMware vSphere product lines. **StarWind Virtual SAN** uses RAM for L1 cache and flash memory for L2 cache to speed up the processing of disk requests. To achieve high performance and additional protection, **StarWind** also encourages to use L1 cache in write-back mode and L2 cache in the write-through mode respectively. Owing to such **StarWind's** approach to L1 and L2 cache memory and the ways it is implemented, **Visma** company managed to improve troubleshooting, the way of the system control and support.



StarWind improved troubleshooting, the way of control and support.

Ciprian Visa