

HIRSCHVOGEL

Sovereign IT infrastructure for the car dealership of the future



To replace its existing VMware infrastructure, the car dealership chose a solution from Fsas Technologies that enables highly available operations at predictable costs thanks to a Proxmox Ceph cluster.

Challenge

For the upcoming renewal of its infrastructure – four HPE servers, Pure Storage, VMware and Veeam, redundantly distributed across two fire compartments – the customer was looking for a more economically attractive alternative to the existing solution.

Solution

Fsas Technologies validated the concept of a Proxmox Ceph cluster, developed jointly with the customer, based on a highly available 100G direct-mesh network on five PRIMERGY servers.

Results

- Open, flexible and high-performance infrastructure at predictable costs
- Highly available system through distribution across two data centers incl. quorum server
- One-stop solution with pre-sales consulting, subscription, support, hardware and professional services from Fsas Technologies

“The coordinated move from VMware to Proxmox with Fsas Technologies services makes us future-proof in terms of digital sovereignty in challenging times.”

Christian Knoll, Head of IT, HIRSCHVOGEL GmbH & Co. KG

Industry:
**Car dealership
and service**

Country:
Germany

Website:
hirschvogel.eu

Employ-
ees
**around
330**

The Customer

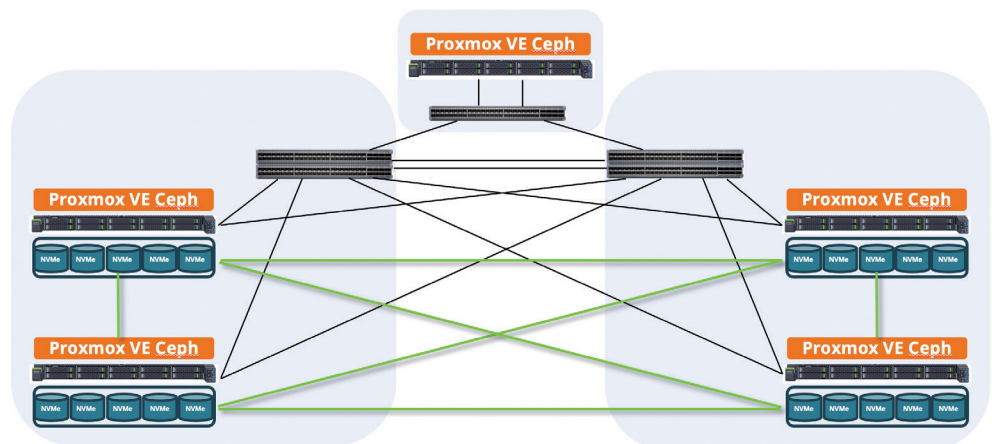
HIRSCHVOGEL is a Bavarian family-owned company with a long tradition and sees itself as a competent partner for all aspects of mobility. At eight locations with more than 4,500 m² of floor space, the company offers the complete range of services of a fully equipped master car workshop as well as car sales for the Mercedes-Benz, AMG and Smart brands.

HIRSCHVOGEL

Future-oriented realignment strengthens digital sovereignty

As a Mercedes-Benz partner with eight locations, HIRSCHVOGEL needs a reliable IT infrastructure for its day-to-day sales and service operations. When a cyclical renewal was due, the company looked for a future-proof approach – and found it at Fsas Technologies via partner Henrichsen AG.

Together, a technologically sophisticated Proxmox Ceph cluster with a mesh network was developed and validated by the Fsas Technologies Competence Center and directly by [Proxmox](#). Five [PRIMERGY RX1440 M2 servers](#) form the Ceph cluster with four-way mirroring on a full-NVMe basis. The infrastructure is distributed across two data centers around 100 meters apart, supplemented by a quorum server for maximum resilience. A 100G Ceph network with direct-mesh cabling (shown in green in the diagram) ensures maximum performance between the cluster nodes.



Partner:



Thanks to the Gold Partner status of Fsas Technologies, the concept was reviewed and validated exceptionally quickly. For long-term operation, five years of Proxmox VE Premium subscriptions with Fsas support (24/7) were agreed. The professional services covered the complete setup of the cluster as well as the integration of the existing Veeam backup solution, which was gradually migrated to Proxmox Backup Server.

Digital independence as a strategic gain

The switch gives HIRSCHVOGEL an open, high-performance infrastructure whose costs can be calculated reliably. Moving from VMware to Proxmox makes the company less dependent on individual vendors and strengthens its digital sovereignty – a topic that is becoming increasingly important in view of changing licensing models.

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