



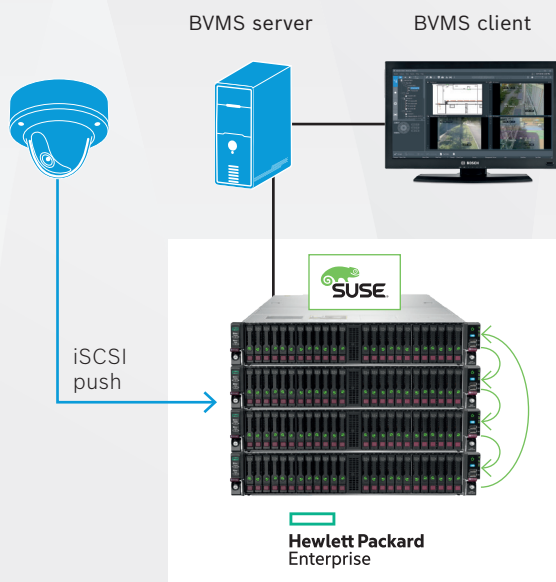
BOSCH

Invented for life

Integrated Security, Safety and Video Management Solution

High-performant resilient video surveillance environment on Software defined Storage

Bosch Security and Safety Systems, SUSE and HPE



- ▶ Increased resilience – even playback is available without multiplying the required storage size
- ▶ Cost effective scaling with the Bosch Video Recording Manager, HPE hardware and SUSE's node based subscription model
- ▶ Software defined storage is sold and supported directly through HPE in proven configurations
- ▶ Erasure coding keeps data safe with a good ratio between gross- and net capacity
- ▶ Verified performance by HPE, SUSE and Bosch



Combining the BVMS and Bosch Video Recording Manager with SUSE Enterprise Storage and the HPE Apollo Server portfolio enables customers to deploy a high-performant, flexible and cost-effective video surveillance system.

Managing, protecting and accessing massive amounts of data is becoming a challenge for every video surveillance system. With the amount of cameras and consumed storage growing, traditional storage systems simply won't be able to keep up, but software defined storage can.

The combination of SUSE Enterprise Storage, HPE and Bosch video surveillance components has been extensively tested. Not only the performance of the solution has been proved: several failure scenarios are considered to ensure the system continues to operate as expected.

The tested software defined storage solution based on SLES and Ceph, HPE devices and scalability of the BVMS (Viewer to Enterprise) makes the combined solution suitable for multiple video surveillance applications, for example transportation and public authorities.

Compatibility

HPE / SUSE / Ceph	Bosch devices
SUSE Enterprise Storage 5.5 HPE Apollo 4200 Gen10 HPE DL360 Gen10	BVMS 8.0 or newer

Applications / Vertical Markets



Airports



Railway stations



Public authorities: large campuses, public areas and buildings

Key features

Leverage Bosch Video Recording Manager

Video Recording Manager integrated iSCSI target: the video recording manager fully manages the iSCSI target.

Excellent video surveillance performance

SUSE, HPE and Bosch have spent a lot of effort to fine-tune the SUSE Enterprise Storage environment and HPE hardware towards the needs of the Bosch video surveillance environment, which is clearly shown in the achieved performance.

Verified performance

An extensive performance test was done to ensure customers can utilize the performance offered by the hardware platform as well as rely on continuous operations.

Configuration and/or set up



HPE Apollo 4200 Gen10



HPE DL360 Gen10

The Bosch division Security and Safety Systems is a leading global supplier of security, safety, and communications products, solutions and services. Protecting lives, buildings and assets is our aim. The product portfolio includes video surveillance, intrusion detection, fire detection and voice evacuation systems as well as access control and management systems. Professional audio and conference systems for communication of voice, sound and music complete the range. Bosch Security and Safety Systems develops and manufactures in its own plants across the world. Additional information can be accessed at www.boschsecurity.com

Visit www.ipp.boschsecurity.com for details on the Bosch Integration Partner Program

HPE and SUSE have 25 years of joint engineering and innovation. That is why HPE uses SUSE technologies to develop, quality and provision ProLiant servers and SLES as the operating system for all Superdome benchmarks. SUSE is HPE's preferred partner for Linux, Openstack and Cloud Foundry solutions.

Reference architectures are available for many SUSE and HPE collaborations, including SUSE Enterprise Storage on HPE Apollo Servers at www.suse.com/hpe.