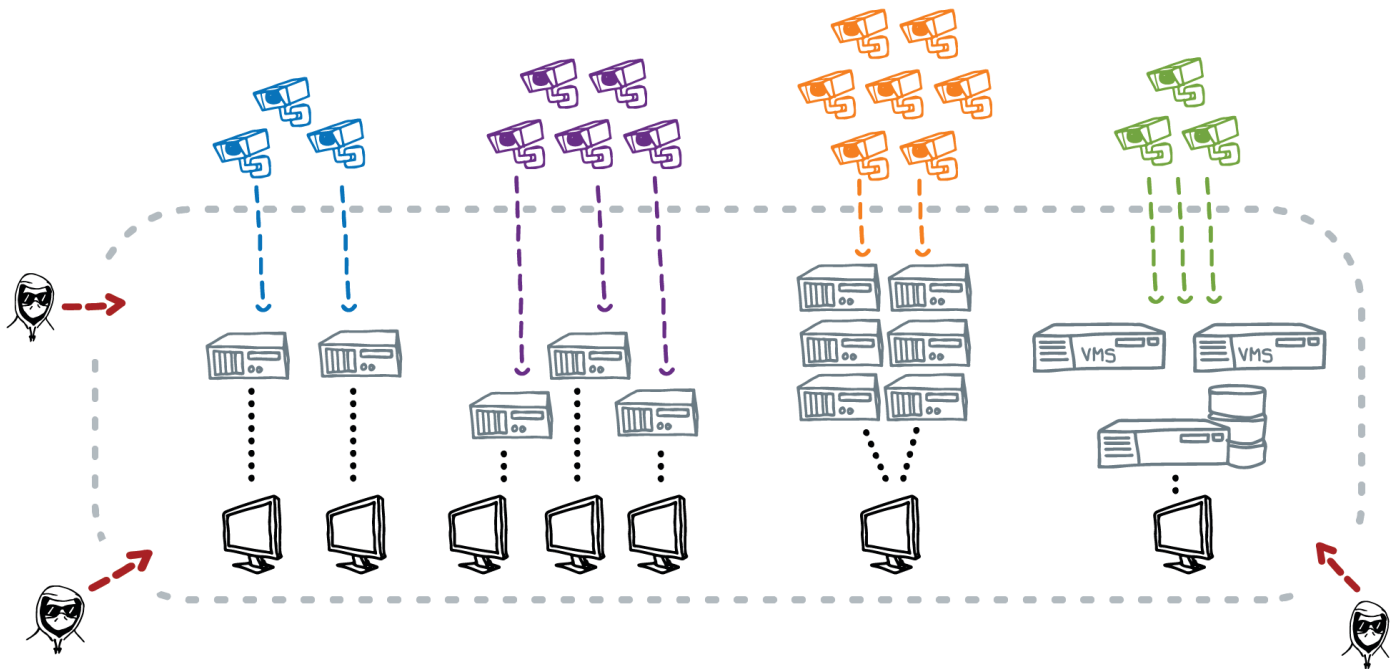


5 REASONS TO UNIFY YOUR VIDEO SURVEILLANCE INFRASTRUCTURE

INFOBRIEF



Separate islands of video recording and application servers and storage devices increase cost and complexity and provide more entry points for cyber attacks.

Current Problems and Their Impact

1 Infrastructure Sprawl

NVRs (Network Video Recorder) have been the work horses of the video surveillance infrastructure. What starts with a couple of NVRs hosting an initial set of cameras, can quickly devolve into a complex jumble of many NVRs hosting independent groups of cameras as the needs evolve.

2 Lack of That “Single Pane of Glass”

Multiple, separate dashboards for the NVRs, servers, and storage sub-systems that make up the infrastructure increases complexity and the time required to monitor, manage and update it all. Lack of visibility into performance and resource utilization issues increase time to resolution and the number of truck rolls for integrators.

3 Multiple Points of System Failure

Standard NVRs, application servers, and storage systems are not designed for always-on video surveillance environments. While NVRs can protect against 1 or 2 hard disk failures, they cannot protect against numerous other failure scenarios, which can result in significant downtime and losing access to recorded video such as, multi-disk failures, disk controller issues, motherboard/system power supply/chassis failures, and network switch issues.

4 Large Attack Surface for Cyber Attacks

Each system connected to an open network is a potential point of entry for a cyber attacker. An attacker with access to any one of these systems can potentially gain access to the overall infrastructure and critical video data.

5 Costly and Disruptive Upgrades

Video surveillance infrastructure based on NVRs, servers, and storage systems are rigid while needs change. Changes such as increased camera resolutions, use of video analytics or other applications and adding more cameras, can require time consuming planning, adjustments and downtime.

HOW UNIFYING THE SERVER AND STORAGE INFRASTRUCTURE HELPS

1 Consolidates for Reduced Costs and Complexity

Using technologies that allow for the consolidation of multiple applications onto fewer servers or systems as datacenters have been doing for over 15 years now enables you to support all the physical security applications like VMS, access control, incident management, and video analytics on less hardware lowering your costs and complexity.

2 Unified Dashboard Simplifies Management and Improves System Health

Unifying all the server and storage pieces into one common platform allows for a single dashboard managing the entire infrastructure including predictive system health and resource monitoring which improves system availability.

3 Advanced Fault Tolerance Reduces Downtime and Video Loss

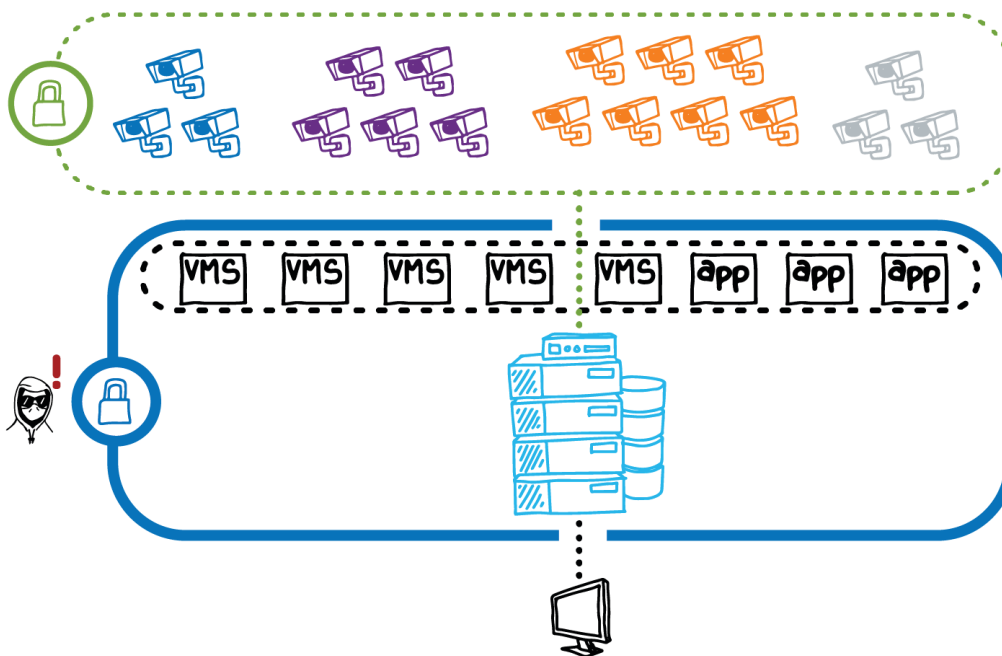
Built-in application fail-over and withstanding server and multiple drive failures, ensures recording and accessing video even when system components fail enabling 24 x 7 security operations.

4 Smaller Attack Surface Reduces Cybersecurity Risks

Four layers of protection built in, datacenter-grade cybersecurity, and a smaller number of attack points provide the strongest levels of protection for critical video data.

5 Get Just What You Need Now and Grow When You Need To

The ability to add additional storage, increase overall network and camera bandwidth, add servers/CPU/GPU on demand without downtime, can help you from over-investing at the start of a project and only invest as your video surveillance needs evolve.



A Quantum Unified Surveillance Platform or VS-HCI Series simplifies the infrastructure, and lowers costs, complexity, and risk.

How Quantum Can Help

Quantum addresses all these common problems today with our Unified Surveillance Platform and VS-HCI Series that unify compute, storage, and networking into a modular, scalable solution optimized for the unique needs of video surveillance and physical security applications. These solutions provide resilience against component or sub-system failures, so video is always captured and accessible, protection against cyber threats with pre-hardened infrastructure, growing storage and compute granularly on-demand, and management and monitoring via a simple, web-based dashboard. Talk to a Quantum video surveillance expert to learn more. visit our website at: www.quantum.com/products