



Executive summary

Choose your Verint video management system with confidence thanks to validation from Dell EMC

Pair Intel processor-powered Dell EMC PowerEdge R740xd2 servers with a video management system validated by Dell EMC

Organizations of all types and sizes protect their employees and assets using video surveillance solutions, with estimates of 127 million network and CCTV surveillance cameras shipped worldwide just in 2017.¹ With increased video surveillance comes new challenges for your data center to tackle. How can your business secure its cameras and video? Do you have the hardware to handle a large influx of video data and ensure high availability?

Dell EMC™ addresses these issues by pre-testing and pre-validating software in its Surveillance Validation Labs. To learn how this process could benefit users, we worked with engineers at the lab in Durham, NC, to validate Dell EMC PowerEdge™ R740xd2 servers, powered by Intel® Xeon® Gold 5120 processors, and Verint® EdgeVMS, a video management system (VMS) solution designed for the banking and retail industries. In two use cases, each with 97 cameras, the Dell EMC solution passed rigorous validation testing, proving its reliability as a surveillance infrastructure solution for the Verint EdgeVMS platform.

By choosing a validated security solution using Verint EdgeVMS and Dell EMC PowerEdge R740xd2 servers with Intel processors, your business can skip the costly hassles and risks associated with the trial and error of getting a surveillance infrastructure up and running.

Video surveillance solutions met stringent verification standards

Efficient recording under normal load

- ✓ 119 MB/s average disk throughput
- ✓ 18% CPU utilization

Reliable performance during simulated disk failure and rebuild

- ✓ 119 MB/s average disk throughput
- ✓ 20% CPU utilization

Why choose a validated solution?

Setting up a surveillance solution of any size requires research, planning, and implementation. This process can require significant trial and error before finding the correct fit for an organization's needs—which is expensive both in sunk time and labor costs. By choosing a solution that Dell EMC has already validated, you can shrink these costs and implement your surveillance solution in less time.

We worked with Dell EMC engineers to set up and validate the Dell EMC PowerEdge R740xd2 server running Verint EdgeVMS. We found that the solution comfortably supported 97 cameras with no dropped frames while continuously recording, first running normally, and then while experiencing a server disk failure and rebuild. The ability to continue recording through disk failure showcases the reliability of the Dell EMC PowerEdge R740xd2 with Verint EdgeVMS in this use case, while low CPU utilization demonstrates its efficiency at handling such a camera load and its capacity to handle more work for those who require more cameras.

About Verint EdgeVMS

According to Verint, their EdgeVMS solution “features industry-leading security and business system integrations and is a powerful solution designed for long life and low cost of ownership.”³ This software includes:⁴

- EdgeVR—enables companies to record video using a networked video recorder
- Op-Center—helps customers manage Verint video recorders from a centralized location
- Vid-Center—allows users to view video management operations from a single pane of glass
- Guard-Center—enables organizations to manage live video views
- Evidence Center—provides a centralized platform for companies or financial investigators to search through transactions

What is the Dell EMC Surveillance Validation Lab?

The Dell EMC Surveillance Validation Lab works with leading surveillance providers from the Dell EMC partner ecosystem to test their video management solutions on various server and storage solutions. Dell EMC then uses those findings to help organizations choose a tested and validated solution that meets the organizations' demands.

In the Surveillance Lab, dedicated engineers test hardware and software solutions in what Dell EMC calls “extreme, real-world scenarios.”² When your business implements a validated video management system, you do so knowing that Dell EMC has already tested and approved it for use.



The Dell EMC PowerEdge R740xd2

- 1 IHS Markit, “Top Video Surveillance Trends for 2017,” accessed October 26, 2018, <https://cdn.ihs.com/www/pdf/TEC-Video-Surveillance-Trends.pdf>
- 2 Dell EMC, “Protecting what matters to make the world safer,” accessed October 26, 2018, <https://www.dell EMC.com/en-us/solutions/surveillance-security.htm#scroll=off>
- 3 Verint, accessed October 30, 2018, <https://www.verint.com/engagement/our-offerings/solutions/security/branch-surveillance-and-investigation/edge-video-management-software/index.html>
- 4 Verint, accessed October 30, 2018, <https://www.verint.com/engagement/our-offerings/solutions/security/branch-surveillance-and-investigation/index.html>

Read the report at <http://facts.pt/62sksjh>



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