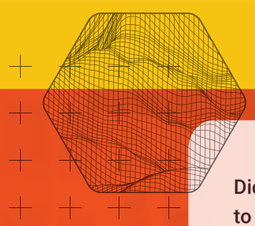
PURESTORAGE®

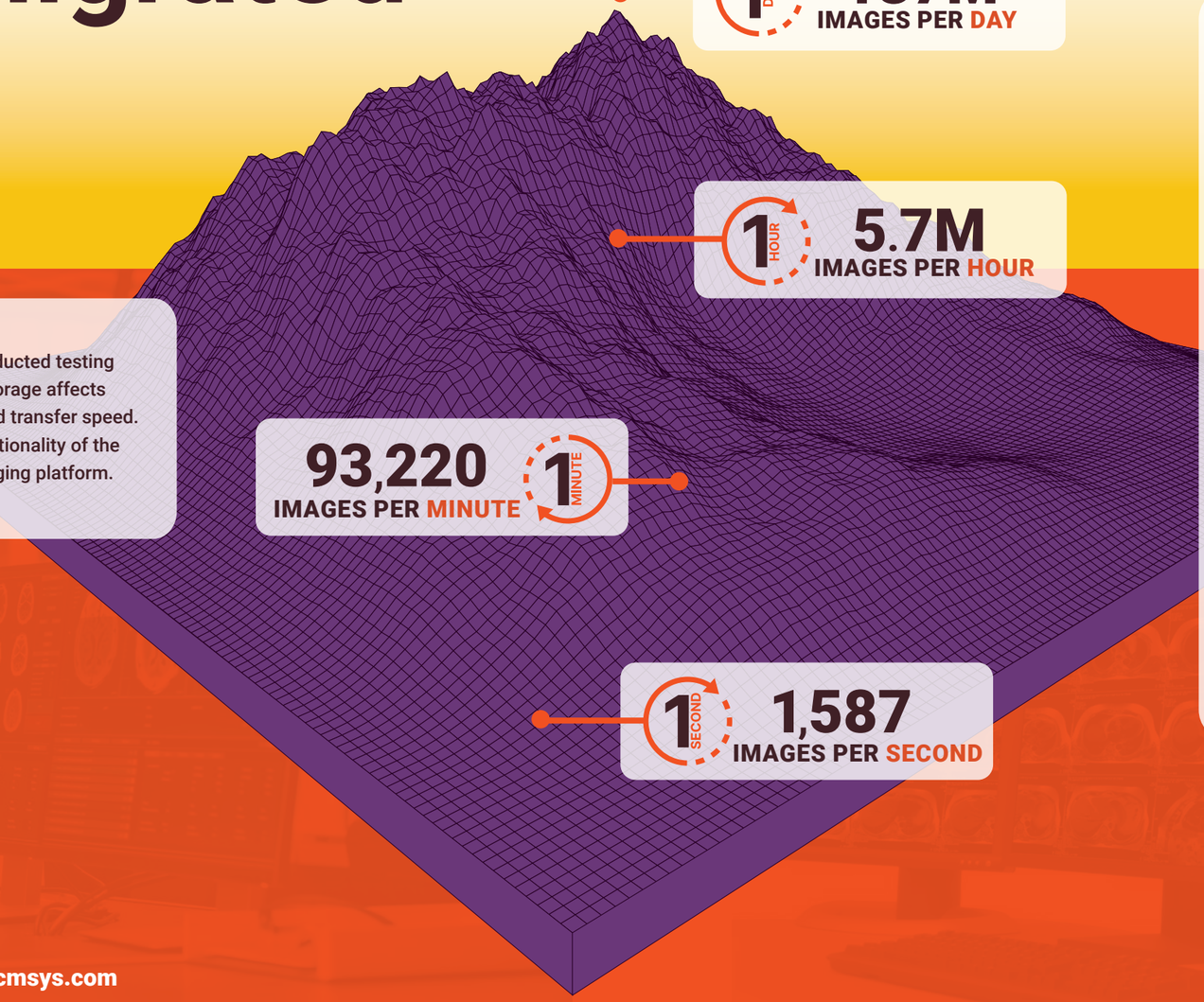
dicom systems

Move mountains of enterprise imaging data fast.

A year's worth of studies migrated in 1 day.*



Dicom Systems and Pure Storage® conducted testing to evaluate if high-performance data storage affects medical image transmission latency and transfer speed. The testing focused on the routing functionality of the Dicom Systems Unifier® enterprise imaging platform.



Results and Observations

When the Unifier platform runs on Pure Storage hardware, the combined solution has the capability to migrate more than 800,000 imaging studies per day.

This performance equates to moving 1.25 healthcare organizations' annual exam average volumes, in just one day.

We confirmed that transmission time and transfer speeds correlated with storage performance. Measurements included large, regular, and small DICOM studies. We tested a maximum throughput of 1,280 megabytes (MB) and assessed I/O performance and latency.

Our research demonstrates that healthcare organizations can significantly increase their imaging transmission speeds by pairing a modern enterprise imaging platform with high-performance storage and network bandwidth to support throughput.

The DICOM routing function did not impact transfer speed and did not create any bottlenecks related to processing, routing, transformation, and the output of AI algorithms for imaging workflows.

For more information call **415.684.8790** or visit **dcmsys.com**

* Data on file Dicom Systems. Assuming an annual study volume of 800,000 per year, 100MB per study (170 images average), and network bandwidth strong enough to support throughput.