

Top 10 Reasons to Use Storage Load Testing

Storage Load Testing transforms the way IT organizations validate and deploy storage technologies



1. Select the right storage technologies

Determine which technology (flash, hybrid, OpenStack, Ceph, etc) offers the highest performance or is the most cost-effective when running workloads that reflect your specific applications. Get the freedom to innovate with the latest storage technologies without the fear of unpredictable performance.



2. Optimize storage purchases

Most IT organizations replace their storage systems every 3–4 years. Storage Load Testing helps you choose between products from various vendors and ensures that storage acquisitions and deployments are aligned to application workload performance requirements. The elimination of storage under or overprovisioning leads to substantial and immediate ROI.



3. Optimize configurations

Once you've selected your technologies, vendors and products, use Storage Load Testing to optimal storage price/performance configuration by varying dozens of settings like block/ file size, compression/dedupe, tiering, and caching. Stress test and know how much head- room you have before you need to upgrade your storage.



4. Mitigate deployment risks

Avoid performance related outages by finding and fixing potential problems in pre-production. Know all performance limits and impact of storage virtualization before going live.



5. Determine which applications should use flash storage

Incorporating flash storage is likely the biggest performance-impacting change that can be made to the data center. Storage Load Testing helps determine where flash or hybrid storage will have the biggest performance impact and highest ROI for application workloads. We help you determine the optimal configurations and tradeoffs between SSDs and HDDs.



6. Implement a change validation process that ensures adherence to production SLAs



In addition to application and technology changes, storage and switch vendors offer device firmware updates quarterly. Storage Load Testing proactively validates that changes do not impact performance or data integrity, well before implementing the change into production.

7. Reduce testing costs



Eliminate buying, provisioning and maintaining load generating servers and VMware licenses. IT staff can spend more time running useful tests instead of managing cumbersome, time consuming testing tools. Easier, more comprehensive and repeatable testing approach yields freeware gains of 80% or more without any scripting. Our professional services and support team is there ready to answer your questions and optimize your testing processes.

8. Collaborate with your vendors



Share your Storage Load Testing workloads with your vendors to improve configuration sizing and accelerate troubleshooting. Storage Load Testing is the leading test and validation solution – used at nearly every storage technology vendor worldwide.

9. Safeguard consolidation or migration projects



Mergers, acquisitions, re-orgs or just executive edicts to cut costs often lead to consolidation projects. The results of consolidations and migrations are frequently unpredictable and are prone to problems. Storage Load Testing helps validate the performance, sizing and scalability of the new storage infrastructure before the live cutover.

10. Use the gold standard



Storage Load Testing has won numerous industry awards including the “Product of the Year” Gold award by Storage Magazine / SearchStorage.com in the storage management category. The judges were awed by the product’s ability to generate massive, realistic loads to stress enterprise storage systems. Storage Load Testing is also the gold standard used by every major storage vendor and a significant number of Global 1000 IT organizations.