

Top 10 reasons to use Virtual Instruments

Virtual Instruments transforms the way IT organizations assure infrastructure performance, reduce risk and control costs.

1. Select The Right Storage Technologies And Products.

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 Configurations; Reduce Overprovisioning.

Use Virtual Instruments to optimize price / performance by varying dozens of settings like block/file size, compression/dedupe, tiering, and caching. Drive up storage infrastructure utilization and eliminate overprovisioning. Stress test and know how much head-room you have before you need to upgrade your storage or switches.

3. 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.

4. 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. Virtual Instruments helps validate the performance and scalability

of the new storage infrastructure before the live cutover. You can baseline the performance in the lab and compare the new configuration in the lab, or do both in the production datacenter.

5. 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. Virtual Instruments proactively validates that changes do not impact performance or data integrity, well before implementing the change into production.

6. Move From Reactive To Proactive Troubleshooting.

By monitoring at the physical layer, you can guarantee application infrastructure performance and availability; and avoid outages. Assign performance-based SLAs to your mission-critical applications, regardless of whether they are operating in physical, virtual, or cloud computing environments.

7. Dramatically Speed Troubleshooting.

Accurately identify and remediate root causes of outages and performance degradations, mitigating risk of unplanned downtime.

8. Collaborate With Your Vendors.

Share your Virtual Instruments workloads with your vendors to improve configuration sizing and speed troubleshooting. Virtual Instruments is the leading test and validation solution – used at nearly every storage technology vendor worldwide.

9. Increase Application Performance

VM to LUN actionable insight enables you to identify the real infrastructure bottlenecks and allows you to make changes to improve performance without guesswork.

10. Virtual Instruments As A Service.

Virtual Instruments software and hardware devices can be deployed in the customer or service provider data center (or both) without incurring upfront capital expenses. Other services are often included in V1aaS to ensure customers maximize the value of their VirtualWisdom deployments.



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