

Server Virtualization Demands More from Storage

Certified ULTAMUS® RAID ensures high performance, high availability, and dynamic scalability

With Server Virtualization, users are able to increase host server resource utilization by allowing multiple virtual servers to share physical resources, including processors, memory, networks, and storage. In doing so, bottlenecks can arise unexpectedly; don't let your storage be one of them.

Eliminating the Storage Bottleneck

Virtualizing multiple servers on a single server is designed to increase utilization of all resources available. As a result, energy consumption is decreased, eliminating unnecessary capital expenses. The benefits are obvious, yet there are matters that need to be accounted for, as virtualizing servers often leads to pushing physical components to their theoretical max.

Balancing Performance with Price

The demand for a high performance storage solution is often countered with premium vendor pricing. The same can also be said for high capacity. Balancing performance and capacity with price is essential.

The use of both high performance SAS drives with low cost, high capacity SATA can be used to successfully resolve this balancing act. Implementing a single storage solution that can address both performance and capacity without sacrificing your budget is vital for any organization.

Online Accessible, 24 x 7

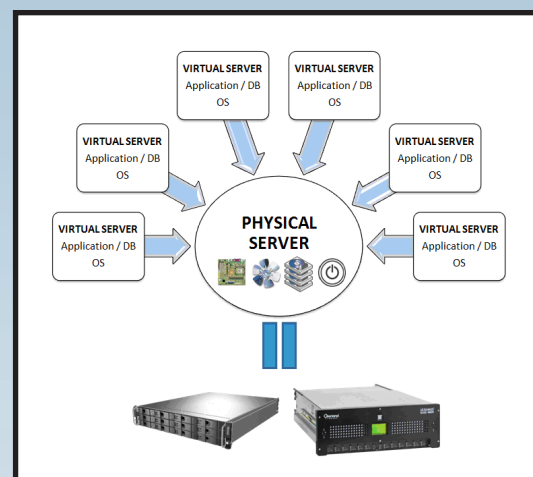
With the consolidation of multiple servers and applications onto a single physical host, the ante for high availability storage with zero downtime has been significantly amplified.

Storage solutions with no single point of failure are critical within virtualized server environments as more applications demand I/O access via fewer data connections, in turn, demanding even more from failover and load balancing technologies.

Scalability without Business Disruption

Storage capacity planning for virtualized server environments is seen as a distinctive trick of the trade mastered by few throughout the industry. Finding just the right amount of storage capacity for these environments is, no doubt, a challenge. Although, the real headache emerges when planning for future capacity begins.

Business demands inevitably require storage to scale as more and more information is stored digitally. Storage downtime while scaling can often be managed inside of a routine maintenance window. This is no longer the case with multiple servers; multiple applications and multiple business objectives now expect accessibility to the same storage array. Taking an array offline for expansion is unacceptable as it no longer affects just one or two servers.



ULTAMUS RAID from Overland Storage® provides virtualized server environments a single storage solution with the features and functionality required, less the premium prices found with most other enterprise-level solutions.

- Multiple 4 Gb/sec ports and support for intermixing high performance SAS and low cost, high capacity SATA drives within a single enclosure allows for heterogeneous storage within a single array
- Dual active/active controllers with dynamic load balancing provides high availability without compromising performance
- Online expansion up to 96 TB—without impacting uptime—is crucial as multiple applications require access to a single array



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