

Rethink Your Storage With yStor

yStor provides a software-defined storage solution that is better and less expensive than a hardware san.

yStor is a break from traditional storage options. A software-defined storage platform that is better performing, more flexible, and less expensive than external SANs. Because yStor is a software solution, you can use whatever hardware you want or choose a Yottabyte building block configuration. No more six-figure leases or fancy appliances. yStor puts you in control, not your hardware.

The yStor software platform provides an end-to-end data management solution that is intelligent, scalable, and easy to manage. yStor's virtual SAN functionality incorporates a virtualization layer to the local disk of existing commodity hardware, resulting in a hardware independent system in which resources are pooled and then distributed with tremendous flexibility.



Reduced Storage Costs

yStor is an intelligent software platform that allows you to quickly deploy a virtual SAN using low-cost commodity hardware instead of expensive storage arrays. yStor then pools the resources to create a virtual SAN that can then be accessed through a variety of protocols. You don't need an expensive enclosure, special switches or adapters, or proprietary hardware. You build the yStor platform using commodity x86 servers and direct-attached disk.

Rather than using an expensive fibre network and dedicated adapters, yStor uses your existing network to build a distributed platform that connects your configured servers into a scalable virtual SAN that costs up to 80% less than traditional storage arrays.

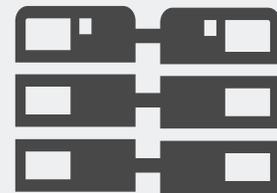
Key Benefits

Complete

yStor is delivered as a complete storage solution designed to work with what you already have. We don't upsell you to get the features you really want and don't make you buy a SAN or expensive, proprietary appliances. Everything you need, from data protection to management is included in one download and managed through one console.

Integrated

With yStor, data protection and management functions are integrated into the fabric of your storage infrastructure - no additional servers or licenses are required and platform compatibility is guaranteed.



Scalable

yStor 2.3 creates an elastic, distributed platform that automatically adjusts when new resources are added. Because data protection is integrated into the software, your data protection solution scales along with your environment.

Unmatched Scalability

A yStor vSAN can employ virtually any type of disk hardware, as well as combinations of disparate disks. Diverse storage devices can be used together to create highly extensible storage systems, with individual data volumes expandable to 4 petabytes. To add capacity, you simply add more disk drives to an existing server, or add another server – the allocation and balancing of resources is done automatically to present one resource pool.

With its distributed architecture, yStor virtually eliminates "maximum device" limitations. You can add capacity by adding additional disk or RAM to existing server nodes, or by adding additional nodes. With practically limitless expansion capabilities, yStor is the last storage solution you will ever need.

Better Performance

yStor supports caching to high-performance storage, allowing for significantly faster read/write performance while still leveraging lower cost devices for long term storage. In a virtual environment, common OS and kernel files can be cached on high-speed flash storage, substantially improving VM performance.

Simplified Management

yStor greatly simplifies your organization's data management processes, guiding you to the right decision, enabling quick and efficient actions, and eliminating conflicts and other errors. Simplicity reduces the amount of time and effort required for administration, and reduces the risk of errors introduced by complex management.

yStor provides data protection and high-availability capabilities with features integrated into the core of the yStor platform, rather than requiring separate software packages running on top of various file systems. Management for the entire system is done through a single interface.

Elastic Infrastructure

yStor abstracts configured servers into a pool of resources, then balances those resources to meet the current demand. If storage resources are added or removed, yStor will automatically re-balance the load to ensure the most effective use of the new and remaining capacity. Delivering true scalability, yStor allows you to easily add capacity – either as additional disks or additional servers – and see benefits almost instantaneously, without manual data migration or reconfiguration.

Features

- Complete hardware abstraction
- Scale-out architecture
- Integrated virtualization
- Centralized management
- SAN-free architecture
- Multiple levels of redundancy
- Continuous Data Protection
- Windows & Linux backup agents
- Volume snapshot synchronization
- Open file backup support
- Deduplication
- 256-bit AES encryption
- Offsite cloud backup
- Cloud-based file access
- Bandwidth throttling

Next Steps

Visit us at www.yottabyte.com to download the Community Edition of yStor today.