

Integrated Data Protection with yCenter

yCenter simplifies your disaster recovery operations with native data protection solutions.

yCenter provides a complete, full-featured data protection solution that is directly integrated into the virtual computing environment. This reduces cost, eliminates complexity, and simplifies the execution of your data protection initiatives.



Integrated Protection

In a traditional environment, data protection activities are provided by different solutions from multiple vendors - often with little coordination possible between them. yCenter includes a software-defined storage platform that integrates data protection at the file system level. Deduplication and encryption are native and automatic, backup and recovery are infrastructure aware, and the whole of your data protection operations can be managed from the same console as your infrastructure. With integrated data protection, you get:

- Value** – data protection is included in every installation of yCenter. Data protection is a core value of our product, and we believe everyone should have it.
- Security** – your data protection tools and your infrastructure are part of the same software package, ensuring compatibility of components while minimizing change control efforts.
- Simplicity** – With yCenter, all aspects of data protection are visible from the same management console.

Key Benefits

Complete

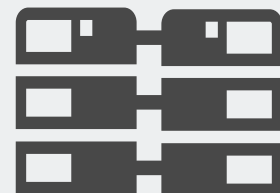
yCenter is a complete software-defined datacenter solution, including all of the software required to build *and protect* a SAN-free virtual computing environment. No third-party extensions or additional plug-ins are required.

Integrated

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

Flexible

The flexibility at the core of yCenter extends to data protection as well. Backup or replication; VM-level or volume; HQ or ROBO; rapid access or cloud archive - the choice is yours.



Scalable

yCenter's scale-out architecture creates an elastic, distributed platform that automatically adjusts when new resources are added. Because data protection is integrated into the datacenter software, your data protection solution scales along with your environment.

Beyond Backup and Recovery

While data protection is an important part of any organization's business continuity efforts, recovering from an outage still results in downtime and expense that few can afford. yCenter allows you to move past backup and recovery and take a proactive approach to avoid outages to begin with.

yCenter is built on distributed network of low-cost modular hardware. This allows you to easily and inexpensively configure redundant systems, either within the datacenter or around the world. yCenter includes built-in data synchronization that simultaneously writes data to multiple sites, eliminating single points of failure.

Continuous Protection

Built-in failure-scenario support protects data against sudden hardware failure. Continuous data protection (CDP) automatically catalogues changes to data at a block level, allowing you to restore data to any previous point in time whether data was corrupted by a virus or simply human error.

Simplified Management

yCenter provides data protection and high-availability capabilities with features integrated into the core of the yCenter 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.

Backup and snapshot data is presented in a live format in which directory structures are easily parsed to find target files or folders. This eliminates the need to load tapes, rehydrate data or transfer and entire image to recover one directory.

Optimized for your Environment

We designed yCenter to work for you, which means it has to work in your environment. If you have the luxury of an off-site location, yCenter includes built-in deduplication (both target and host-based) for conserving bandwidth and storage when synchronizing between geographically-disparate locations. If not, yCenter can integrate cloud storage at the file-system level to enable low-cost archiving of deduplicated data.

Features

- Complete hardware abstraction
- Scale-out architecture
- Integrated virtualization
- Centralized management
- SAN-free architecture
- Multi-protocol support - CIFS, NFS, web
- 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 an evaluation copy of yStor Community Edition today.