

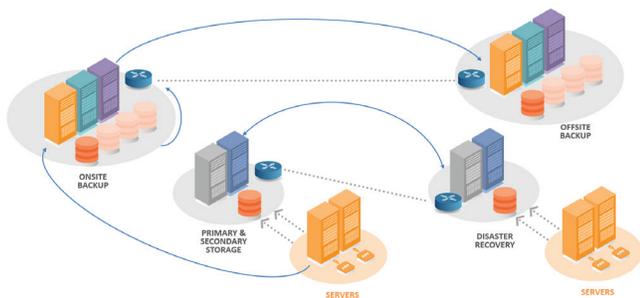
Built-In Data Protection with ClearSky

On-Demand Primary Storage, Offsite Backup and DR in a Single Service

- ✓ Eliminates endless data copying, redundant infrastructure and management costs
- ✓ Eliminates backup and replication licenses
- ✓ RPO 0 for in-metro data centers
- ✓ RPO < 15 minutes for point in time snapshots
- ✓ RTO < 1 minute once data is requested
- ✓ Reduces TCO by +50%
- ✓ Guaranteed 99.999% uptime
- ✓ Fully managed, 24x7 customer support

For decades, enterprise storage has been about piece parts – primary and secondary storage, backup, archival and disaster recovery storage – and trying to make these disparate systems work together. It’s an environment that’s hard to manage, over-provisioned (with capacity that has to be purchased in advance) and error-prone (with problems that cascade across multiple systems). Most of all, it’s **expensive** – a massive waste of physical and capital resources, and a huge, ongoing time commitment for IT.

These problems are exacerbated when it comes to data protection. Every piece of data written turns into 15 or more copies for backups, disaster recovery, testing, etc. IT has to pay for all of that onsite and offsite infrastructure, the corresponding software licenses, all the integration and management including endless copying, moving and storing of data whenever it changes. All this redundancy has been a fact of life in data centers everywhere – but not anymore.



Traditional Storage Infrastructure = Complex and Costly

Simpler and Dramatically Lower TCO: ClearSky Does Storage Better

ClearSky is a fundamentally different storage architecture that combines on-demand primary storage with offsite backup and DR as a single service. The architecture includes innovations that have eluded traditional storage vendors, delivering high performance and low latency for constantly changing data along with unprecedented efficiency and scalability.

Rather than four or five separate sub-systems, there’s a ClearSky edge cache in the data center connected to the ClearSky Backing Cloud. Pay for your data once and gain access to all of it, anywhere it’s needed – on premises, at a DR location or in the public cloud.



ClearSky’s Storage Architecture = Simpler and Much More Cost-Effective

And, with ClearSky’s elastic, consumption-based model you pay only for the capacity you actually use. You no longer have to pay for separate infrastructure for primary and secondary storage, backups and DR, corresponding software licenses, management of all those disparate systems, and the endless data copying. **All those costs, complexity and overhead disappear.**

Built-In, Cloud Based Data Protection

Data is immediately and automatically stored offsite in the public cloud, providing unlimited capacity on-demand while delivering built-in protection of all of your data (with eleven 9s resiliency). If something goes wrong, you can immediately (RTO < 1 minute) present your data at your primary data center or another site.

Simplified Backups and Restores

ClearSky automatically creates recovery points based on deltas from the original data. Thousands of recovery points are supported and can be as often as every 15 minutes or less, on a schedule you can define. For virtualized workloads, these recovery points use hypervisor APIs for data consistency. You can browse recovery points from the ClearSky dashboard, select the one you want and restore it, with immediate access to data in the ClearSky service. It's all built in to the architecture, without the redundant copying of data, infrastructure and effort previously required.

Simplified Disaster Recovery

DR can easily double the costs of traditional storage, with duplicate infrastructure and expensive extras like replication software and high-speed network connections. Because of its cost and management complexity, enterprises have tended to ration disaster recovery protection, limiting it to their most important apps.

ClearSky totally changes the DR equation, providing access to all data with none of the redundant technology previously required to copy, replicate, store and recover it. Since backups are associated with the data rather than the server using that data, and all data is inherently stored offsite, all the recovery points for backup can be presented at any data center you have that is equipped where the ClearSky service is present. If a primary data center goes down for any reason, you can surface your data at an alternate site and get back to work immediately.

Backup and DR Capabilities with ClearSky

All Environments

- Back up entire storage volumes
- Consistency points created with consistency set snapshots
- Browse all available backups
- Restore entire volume or mount side-by-side and restore individual data items
- RPO 0 of DR for in-metro data centers
- RPO < 15 minutes for point-in-time snapshots
- RTO < 1 minute once data is requested
- ClearSky Storage Manager cloud-based UI

VMware Environments

- Back up data stores and/or VMs
- Restore entire VM or mount side-by-side and restore individual files
- Application and VMware consistency via VMware API
- RPO 0 of DR for in-metro data centers
- RPO < 15 minutes for point-in-time snapshots
- RTO < 1 minute once data is requested
- Fully integrated vCenter UI

The Choice Is Yours

The fragmented model for data storage and protection emerged in the data centers of the 1970s and 80s, and has remained frozen in time ever since. IT departments have been doing it this way because they had no choice. But those days are over.

Now there's a completely new storage model – ClearSky's simplified, complete, fully-managed service for managing and protecting data without all the extra copying inherent to legacy systems. Fragmented storage infrastructure and management is now obsolete. Today, IT leaders can confidently say there's a better way.

Visit www.clearskydata.com/dataprotection to learn more.

