

CloudArray® for Offsite Backup

Overview

Cloud services are dramatically changing the conventional IT landscape facilitating the reduction of data centers, extending the operational boundaries of IT, and establishing new economic models for measuring IT infrastructure efficiency and TCO. As cloud services continue to gain acceptance, traditional IT services (storage, hosting, computing, etc) once intolerant of change are now steadily making their way into the cloud. Gartner cites that over the next five years, data will grow at 800 percent and 80 percent of it will be unstructured. This type of exponential data growth helps put backup high on the list of candidates to move to a cloud-based service model. As IT budgets shrink and operational windows remain the same, small and large companies alike need better solutions to meet the infrastructure challenges stemming from rapidly increasing data growth without further burdening already-constrained resources.

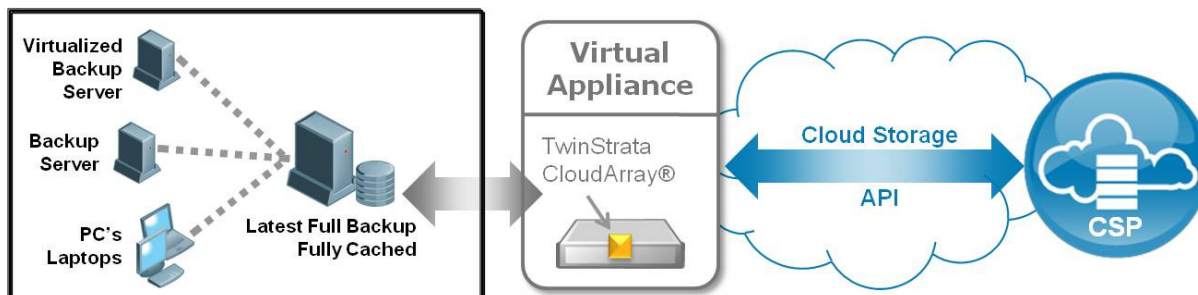
Some smaller companies who don't have the ability to provide complete data protection turn to cloud-based backup as their strategy while larger companies use it to close gaps in their own internal processes. Companies have many reasons for wanting to move all or part of data protection services to the cloud including business continuity, the need to reduce costs, improving backup processes, or taking advantage of the elasticity provided by cloud storage models.

"This solution gives us the ability to store our backup data in the cloud without increasing our backup window, control our costs, and greatly reduce our local storage requirements."

cfwebmasters.com
WEB DESIGN | HOSTING SERVICES | MARKETING

Solution

TwinStrata CloudArray for Offsite Backup enables IT to adopt a more efficient, resilient and economical offsite solution with a flexible, easy, and reliable way to backup your data to cloud storage. Small and even mid-size organizations, seldom handle tape properly leaving them exposed to data loss. CloudArray can provide them with an integrated, self provisioned backup solution.



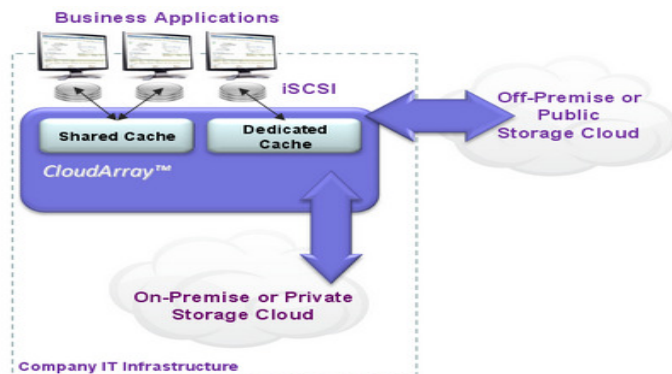
CloudArray connects to existing backup software, protecting your investment, providing automated storage expansion to the cloud

TwinStrata CloudArray software and open APIs allow many popular backup products to write directly to storage cloud platforms. With CloudArray, you maximize IT budgets by paying only for what you use rather than continually building out complex, expensive, and error-prone tape infrastructures. Using CloudArray, your backup storage becomes virtually infinitely scalable and there is no initial hardware infrastructure cost. This means that it's essentially a "set and forget" deployment. Once CloudArray is set up, backup to the cloud is performed automatically. The CloudArray policy-driven solution provides automated control of your cloud based backup process opening up new possibilities for your backup operations.

CloudArray for Offsite Backup Benefits

CloudArray for Offsite Backup is the industry's most cost-effective, scalable off-site data protection solution that allows companies to enjoy reduced primary storage costs by backing up data directly to their choice of cloud storage provider. CloudArray delivers affordable enterprise-class data protection to help businesses of all sizes cut the cost of storage by decreasing the management of onsite backup and can immediately transform your onsite disk-to-disk or disk-to-disk-to-tape operations to a more efficient enterprise-class disk-to-CLOUD storage strategy providing benefits such as:

- Reclaim primary storage and improve utilization
- Eliminate the need for burdensome backup to tape operations
- Reduced onsite and zero off-site CapEx/Opex
- Rapid virtual appliance or hardware deployment
- Faster data restores
- Protect investments in existing backup software



CloudArray Virtual Appliance

- No change to backup schedule, policies, or software
- Enables an offsite D2C (cloud) architecture
- More secure than tape (encryption at-rest and in-flight)
- Data are compressed
- Deployed as a virtual or physical appliance on:
 - VMware, Hyper-V, XenServer, EC2

CloudArray for Offsite Backup Highlights

- **Zero Time Restore:** Reliable data protection technology for instant access to data eliminating long RTO's
- **Instant DR:** Multi-site disaster protection with replication support using single or multiple simultaneous cloud providers
- **Policy-Driven Dynamic Cache:** Flexibly assign cache resources across different applications without creating cache contention
- **Flexible Cache Configuration:** Easily create dedicated or shared cache configurations to meet the data access objectives (RTO/RPO)
- **Self-Provision/On-Demand Capacity:** Easily provision capacity as needed using a pay-as-you-go model without business disruption
- **Open Cloud Storage:** Integrated cloud storage support allowing choice of cloud provider without the need for API programming
- **Snapshots in the Cloud:** Built-in snapshot capability allows for scheduled or ad hoc copy-on-write volume snapshots taken in the cloud
- **Encryption:** Provides the highest levels of security with AES encryption for over-the-wire transmission and data at rest
- **Performance:** Data is compressed in real-time along with QoS WAN throttling allowing for maximum network performance to and from the cloud storage provider