

CloudArray® Physical Appliance

Prepackaged and optimized for demanding workloads

CloudArray®, TwinStrata's breakthrough Cloud storage appliance, is an enterprise-class data storage and data protection solution that enables organizations to instantly expand their storage capacity securely using one or more cloud storage providers. CloudArray Zero-Friction Enterprise Storage™ seamlessly integrates into existing on-premise storage environments and delivers cost-effective storage services optimized for performance, multi-site availability and elastic unlimited storage.



CloudArray supports a number of public and private Storage Clouds with secure communication and encryption capabilities. Flexible options for local caching and full local copies of data allow optimization of availability and performance to meet application needs.

CloudArray Hardware Appliance Specifications:

Model 1i

- 2U Rack Mount Enclosure
- Redundant Power Supplies
- 2TB Raw / 1.5TB RAID6 onboard storage
- Two Gigabit Ethernet Ports

Model 1

- 2U Rack Mount Enclosure
- Redundant Power Supplies
- 8TB Raw / 6TB RAID6 onboard storage
- Two Gigabit Ethernet Ports

Model 2

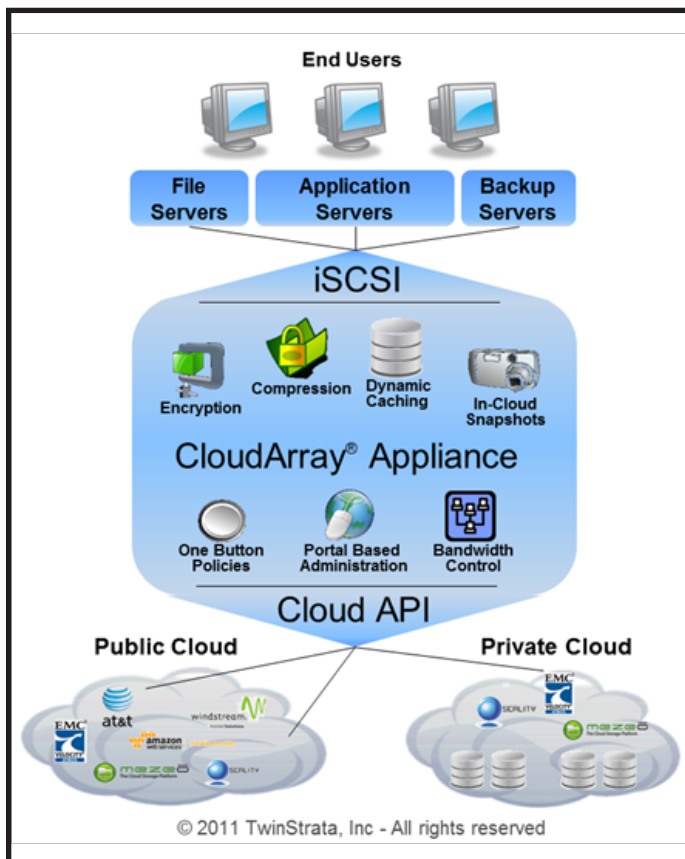
- 2U Rack Mount Enclosure
- Redundant Power Supplies
- 16TB Raw / 12TB RAID6 onboard storage
- Two Gigabit Ethernet Ports and one 10Gigabit Ethernet Port

Model 2S (SSD Drives)

- 2U Rack Mount Enclosure
- Redundant Power Supplies
- 2TB Raw / 1.5 RAID6 onboard storage
- One Gigabit Ethernet Port and one 10Gigabit Ethernet Port

Model 3

- 6U Rack Mount (3x2U)
- Redundant HA nodes
- 24TB Raw / 20TB RAID6 onboard storage
- Four 1 Gigabit Ethernet Ports and four 10 Gigabit Ethernet Ports



Typical use cases for CloudArray include online remote storage for backups, archives, and other business data, including primary storage. CloudArray caches data locally to provide local performance. Flexible and easily configured dynamic caching policies allow different cache configurations for different volumes, based on application requirements.

The CloudArray Physical Appliance, available in five models, takes the form of a physical appliance packaged in either a 2U or 6U rack mountable enclosure.

Preconfigured in a fully qualified and performance optimized package, CloudArray physical appliances can be quickly and easily installed into any data center or colocation facility.

Deployment Features:

- Physical appliances are prepackaged in performance optimized configurations for demanding workloads
- Simple installation and setup

Simplified Administration:

- Data volume expansion capabilities
- One-button configuration restore and recovery
- Integrated licensing and alert reporting on CloudArray online portal
- Browser based administration
- Thin provisioned volumes
- Automated metadata backup to secure portal
- Full CLI, GUI and API interfaces
- Policy driven dynamic caching
- Uses any local storage (DAS, SAN, NAS)
- Multiple simultaneous caches and caching policies
- Bandwidth Throttling and Scheduling

Key Features:

- Snapshot capabilities provide space-efficient point-in-time copies in the cloud
- AES 256 bit data encryption
- Data compression (improved, larger block sizes)
- iSCSI Host interface
- Excellent host support (Windows, Linux, Solaris, Mac, HP-UX, VMware ESX/ESXi)
- Multiple Cloud storage interfaces supported including Amazon S3, Amazon RRS, AT&T Synaptic Storage, EMC Atmos-enabled partners, Mezeo-Ready Partners, Peer 1, Scalality Partners, and Windstream (Hosted Solutions)
- Multiple, concurrent Cloud connections
- Multiple, concurrent volumes supported
- Cloud volumes are cached for local performance
- Local cache asynchronously copies to the Cloud
- Significantly reduced capital and administration expense for off-site data storage solutions
- Significant cost savings over tape solutions, D2D backup and off-site replication infrastructure
- Enhanced data protection, fast restores without tape
- Can be restored to the Cloud (EC2, VMWare) for Disaster Recovery
- Zero time restore
- Instant Disaster Recovery
- Compute Anywhere™ application access