Private Cloud Storage for Mainframes

Security	■ Encryption and key management accessible only by the client
	■ Eliminate physical media security issues
Flexibility	■ Add capacity on demand
	■ Massive capacity capabilities
	■ No forklift upgrades or planned migrations
Accessibility	■ Accessible anywhere in the world
Governance	■ Satisfy legal and audit compliance requirements
	■ No chain of custody concerns
	■ WORM support
	■ Multi-tenancy support

CGSafe
PROTECTED

With the emergence of attractive managed services offerings, increased security, and global availability, more companies are looking to the cloud to provide enterprise-wide storage solutions. However, mainframe data protection and archiving generally continues to rely on remote storage such as off-site vaults, remote disaster recovery (DR) sites, and physical tape media.

CloudTAPE HCP offers a simple solution allowing you to leverage your cloud storage investment across the entire enterprise including long term storage of mainframe data. The solution gives you access to your data anywhere in the world while keeping it secure on your own private cloud network.
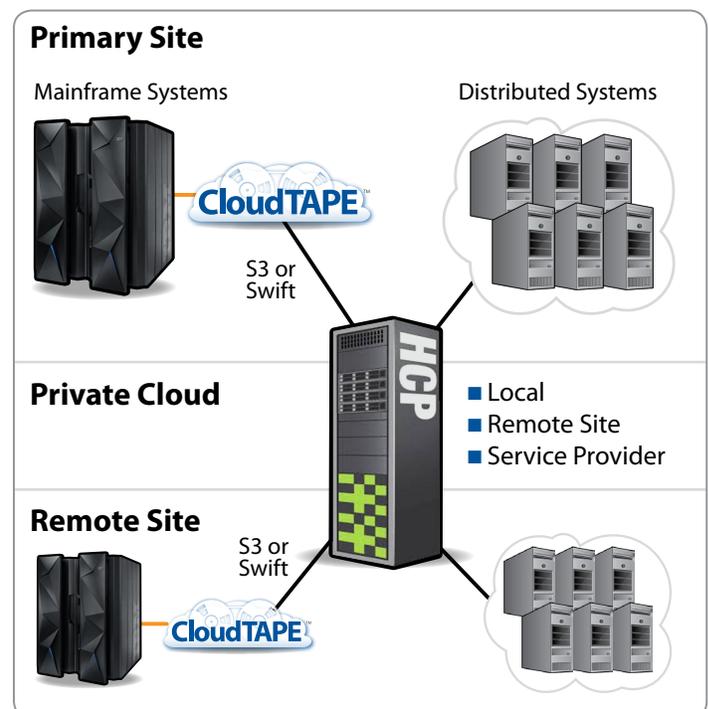
Maximize Your Cloud Investment with Mainframe Archiving and Third Copy Storage

CloudTAPE HCP is ideally suited for archiving or third copies of data which require infrequent access, but highly secure, long-term retention to fulfill compliance and governance policies such as HIPPA, SEC, and Sarbanes-Oxley (SOX).

CloudTAPE HCP receives tape data from the mainframe via native FICON channels while emulating 3490 or 3590 tape drives, so existing tape applications can be used without change. As the data is sent, it is encrypted and compressed by CloudTAPE HCP in a single operation. The packaged data is then sent via an S3 or SWIFT interface to your private cloud, making it ready to be accessed globally.

Improve Security

CloudTAPE HCP combines Luminex's advanced virtual tape technology with Hitachi Vantara's industry leading storage capabilities to give you access to mainframe data anywhere in the world. Not only does it eliminate the chain of custody concerns with physical tape, it supports multi-tenancy features allowing you to keep control of your data. In addition, CloudTAPE HCP increases security and monitoring with CGSafe pre-cloud encryption, and

Primary Site

Mainframe Systems   Distributed Systems

CloudTAPE™

S3 or Swift

Private Cloud
■ Local
■ Remote Site
■ Service Provider

Remote Site
S3 or Swift

CloudTAPE™

CloudTAPE HCP leverages secure and flexible HCP private cloud storage for mainframe achiving and data protection.

Luminex Mainframe Virtual Tape Features and Options

- **Synchronous Tape Matrix™ (STM)**
  True continuous availability for mainframe virtual tape

- **Luminex Replication**
  Improve your disaster recovery plan with asynchronous remote replication to one or more DR sites

- **RepMon™**
  Replication monitoring and auditing at the VOLSER level

- **Push Button DR**
  Disaster recovery and testing with "push button" ease

- **CGSafe™**
  Encryption and key management

- **MVT Vault™**
  Cost-effective virtual tape vaults for remote, off site storage

- **P2V™**
  Off-host conversion of 3490 or 3590 physical tapes to virtual tapes for remote, off-site archives

- **Tape Migration Software and Services**
  Seamlessly transition physical and virtual tapes with exact copies of original VOLSER numbers and labels

- **LTMon™**
  Integrated, centralized management from the mainframe console

Luminex RepMon, which provides a real-time view of VOLSER status and historical audit records. Once stored, optional WORM support ensures your data is never overwritten, while active data protection constantly monitors and backups all data.

Reduce Physical Restrictions

CloudTAPE HCP is also available as a fully-managed service that reduces storage updates and technology refreshes from your IT team's workload. It simplifies hardware updates eliminating the need for forklift upgrades and planned migrations. Furthermore, it frees your data center from the cumbersome process and high cost associated with packing, shipping and storing archive or third copies of data off-site on physical tapes.

Luminex Mainframe Virtual Tape (MVT) at a Glance

CloudTAPE HCP is based on Luminex MVT solutions which enable mainframe customers to leverage industry leading and proven enterprise storage solutions, such as Hitachi Vantara HCP and G-Series storage. MVT supports both FICON and ESCON channel connectivity and existing mainframe backup software simply sees the Channel Gateway as a recognized mainframe tape device. No software changes are required.

MVT solutions provide a wide range of features and functions for mainframe tape operations including continuous availability, replication with monitoring and auditing, push button disaster recovery testing, encryption and key management, as well as tape migration software and services.

About Luminex

Luminex serves as a trusted advocate helping enterprise customers protect, manage, and leverage corporate data assets by developing and delivering high quality, innovative technology solutions.

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