

Luminex Mainframe Data Solutions for Cohesity's DataPlatform

Used by F100, Global Fortune Top 5 and some of the world's largest government agencies, Luminex mainframe data solutions protect, manage and leverage valuable mainframe data. By design, Luminex solutions also enable best-of-breed distributed systems solution providers, such as Cohesity, to extend their modern approach to data management, protection and insight to include mainframe data centers and achieve better enterprise-wide business outcomes.

With Luminex and Cohesity, companies can reduce backup times and costs, consolidate silos, simplify data and storage management, store more... *and do more.*



The Benefits of Hyperconverged Infrastructure for Mainframes
Much More Than Just Storage

Recognized by Gartner as a Visionary and a 2019 Magic Quadrant selection for Data Center Backup and Recovery Solutions, Cohesity provides its hyperconverged platform and innovative SpanFS® distributed file system to better manage secondary data, including backups, disaster recovery, files, object stores, test/development, archives, analytics and more. See Table 1 below.

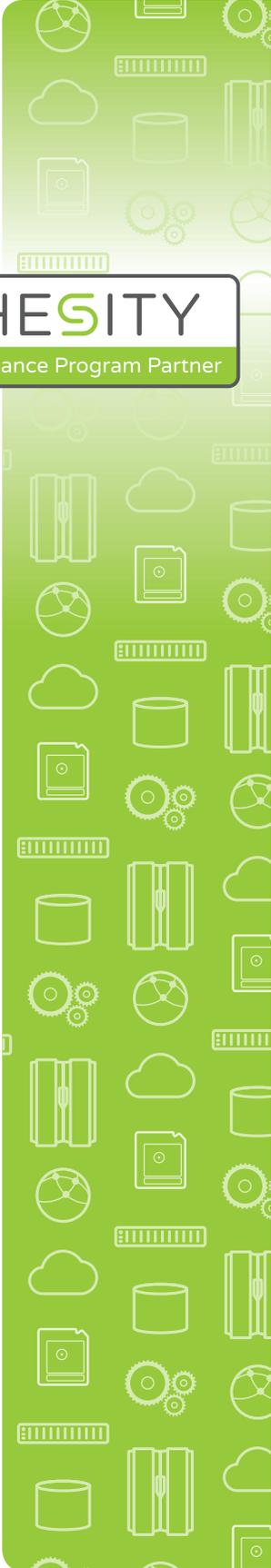
Data & Storage Management	Single, easy to manage platform and user interface	✓
Storage Efficiency	Compression and Global Deduplication	✓
Flexible Deployment	NFS, S3, on-premise, public, including AWS, Azure & GCP	✓
Data Availability & Protection	Multiple copies and remote replication for DR	✓
Security	Encryption at rest and in flight (AES-256)	✓

Table 1. Cohesity's DataPlatform & DataProtect

Bringing the value of Cohesity's platform to the mainframe forged a partnership between two industry innovators, producing a ground-breaking solution for the data management challenges of enterprise clients.

Luminex mainframe virtual tape (CGX) and Mainframe Data Integration (MDI) platforms are modular, storage independent solutions that are uniquely suited for Cohesity's DataPlatform.

Consistent with its tradition of leadership and innovation, Luminex is the first and only major vendor to enable hyperconverged platforms which combine distributed systems backup and recovery software, compute and storage, to be used by mainframes for data protection and storage management.



Luminex CGX emulates mainframe 3490 and 3590 mainframe tape drives. It is application transparent, so existing mainframe primary, secondary, HSM, archive, backup and recovery applications are supported and mainframe tape management systems remain in control. CGX uses the mainframe's FICON I/O channel, NFS for connectivity to the Cohesity DataPlatform (see Figure 1) and offers more customer-driven options than any other mainframe virtual tape provider. The options include CloudTAPE for public, private and hybrid cloud archiving, FICON throughput scaling independently of capacity, and tape migration software, tools and services to facilitate a smooth transition from legacy physical and virtual tape products.

Consolidate Secondary Data Silos

When Luminex CGX is combined with Cohesity's DataPlatform, not only can the distributed systems users eliminate fragmented, data silos and inefficiencies, but mainframe data centers can also use the DataPlatform for all virtual tape operations.

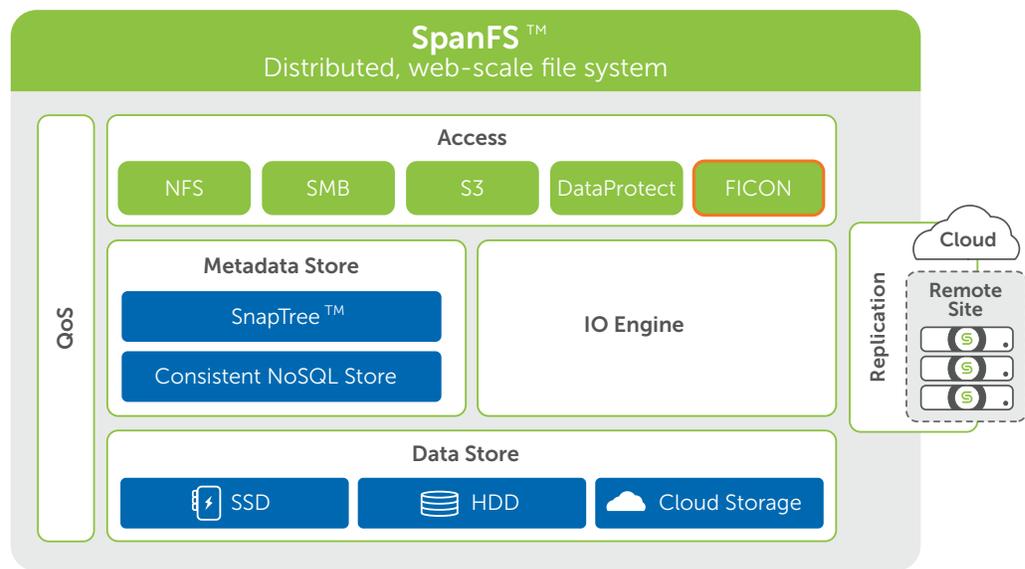


Figure 1. Cohesity and Luminex: Enterprise-wide Multi-Protocol Data Access

Store More and Do More

Luminex MDI enables the secure, fast and efficient bidirectional data exchange between mainframes and distributed systems. It uses the mainframe's trusted and secure FICON I/O channels for managed file transfers, enterprise wide business operations, off-host processing, analytics and more. MDI offers various conversions such as EBCDIC to ASCII and other data transformations and translations. MDI solutions are available for clients to further explore potential uses cases with Cohesity's DataPlatform, to extract more value from mainframe data for better business outcomes.

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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