

10TH Annual Global IT Executive Summit

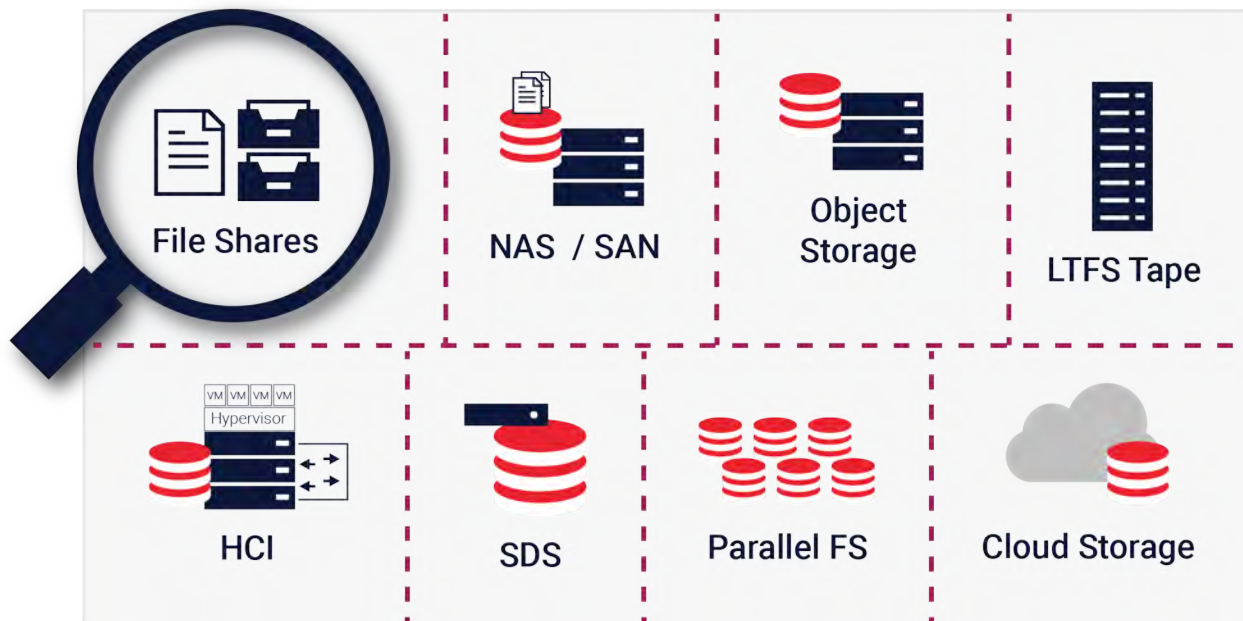
How Metadata-driven Automation Unleashes the Full Potential of Tape

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FUJIFILM
Value from Innovation

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DATA SOLUTIONS 

Tape is a “Plus One”



- The challenge:
 - How to remove complexity in heterogeneous environments?

Most storage environments consist of more than one vendor solution.

Cloud is increasingly part of the equation.

Most Common Problem Areas in Heterogeneous Environments

- Cross-platform data migration & tiering
- Storage optimization/consolidation
- Seamless integration between on-prem & cloud
- Automating active archives
- Business Continuity and Global DR
- Auto-classifying unstructured data

AIOps Drives Proactive Data & Storage Resource Management

- *AIOps (artificial intelligence for IT operations) uses metadata to monitor assets and gain visibility into dependencies across IT systems.*
- *AIOps automates the identification and resolution of common IT issues using metadata.*

- *Automate routine IT practices*
- *Quickly recognize and take action of serious issues*
- *Streamline collaboration between groups and teams*
- *Maximize ROI of IT resources*

Intelligence
+
Automation

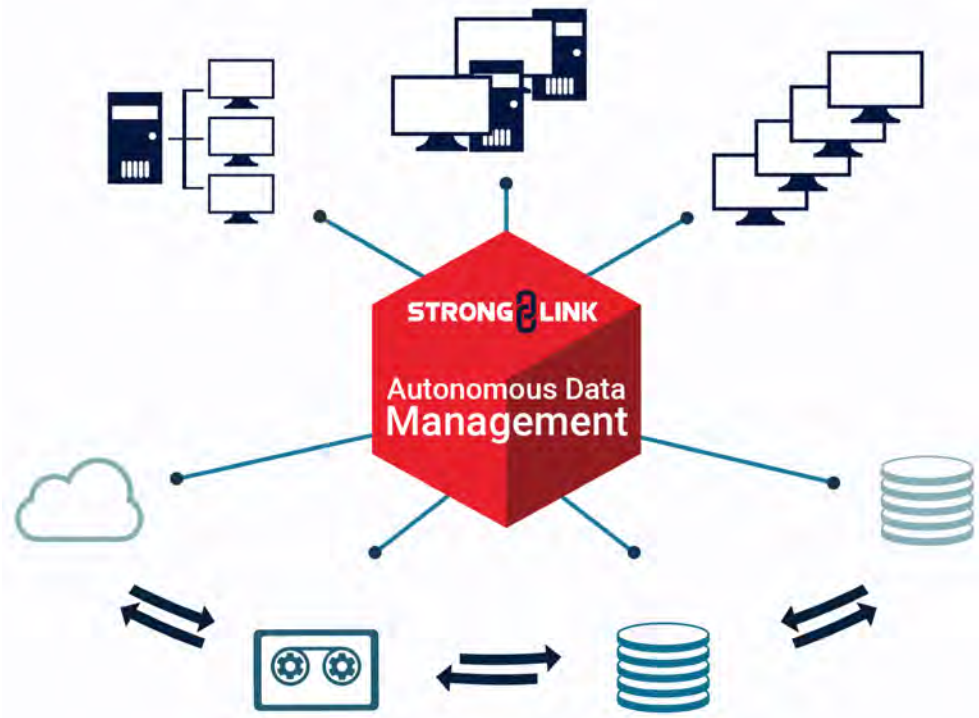


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Autonomous Data
Management

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StrongLink provides Autonomous Data Management



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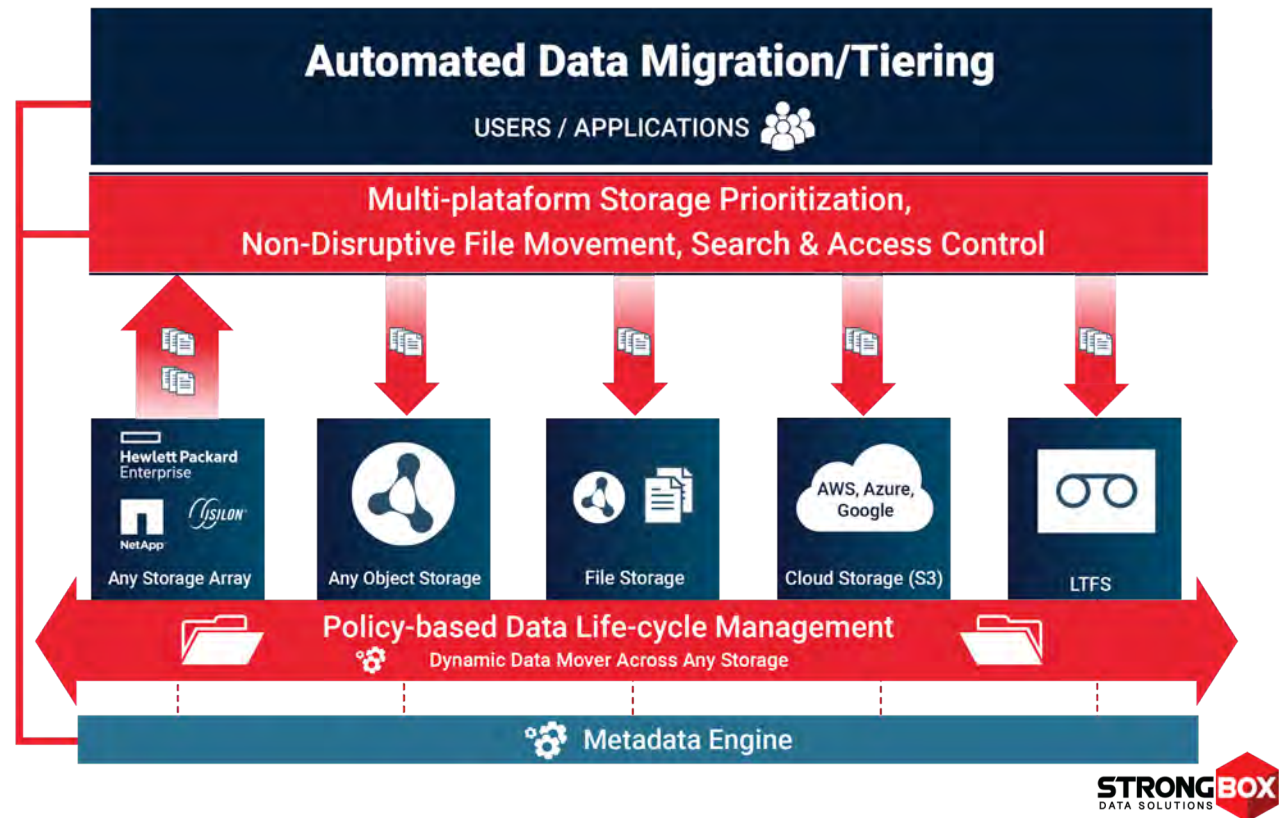
All storage is extensible,
data migration without
user interruption

- Pulls data from any storage type
- Pushes to other stores based on policy
- Multi-copy writes
- Tiering, DR, Archive, Cloud
- Seamless LTFS tape support

Schedule & trigger-
based workflows

Transparent File Movement to Multiple Targets

Leading World-Wide Post Production Entity



Requirements:

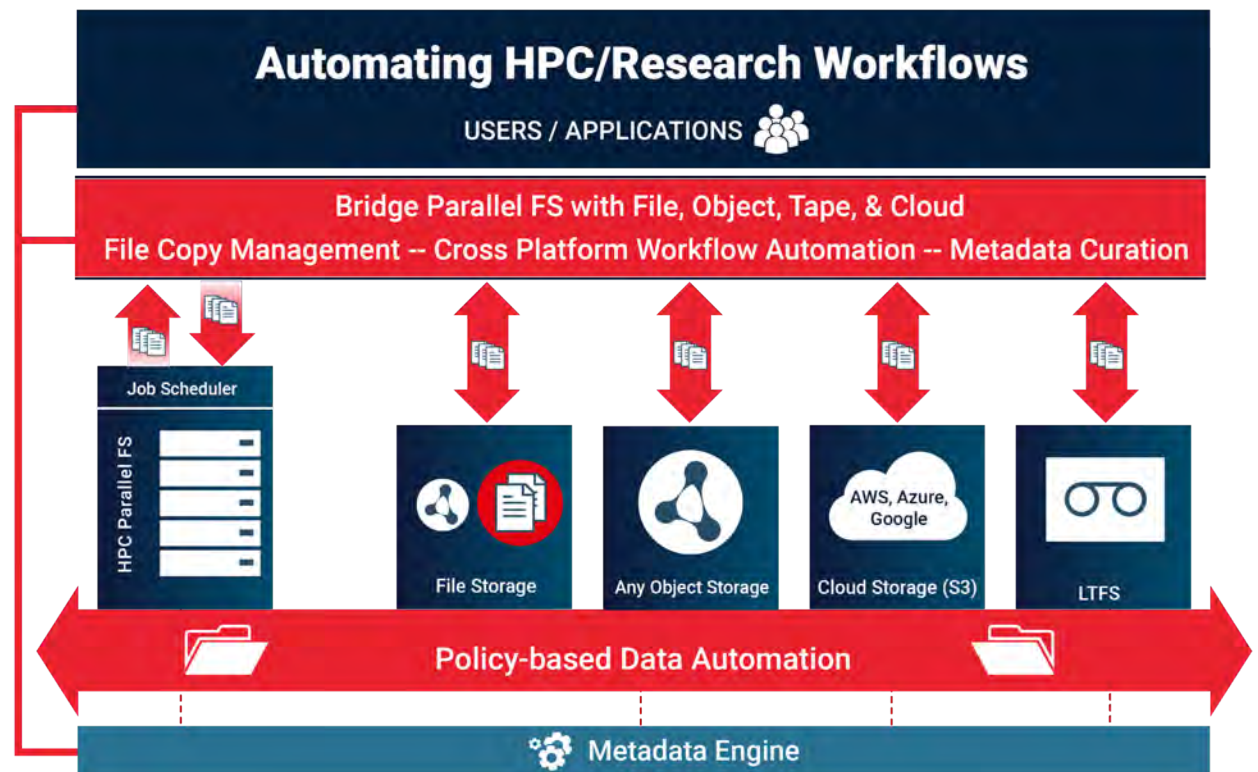
- Rapid data tiering to/from HPC storage
- Global visibility, search & file access
- Enforced metadata classification
- Multi-platform data protection

Benefits:

- Metadata aggregation with auto data classification
- Controlled/automated Metadata for Research
- Life cycle management policies ensure tiering optimization of cold/cool data
- Global namespace with search enables direct file access
- Enforced data provenance

Metadata-Driven Workflow

Top US University HPC/Research



Requirements:

- Off-load cold/cool data from primary storage with fast file access from archive
- Seamless tiering to low cost storage
- Searchability across the archive
- Maximize the business value of data in the archive

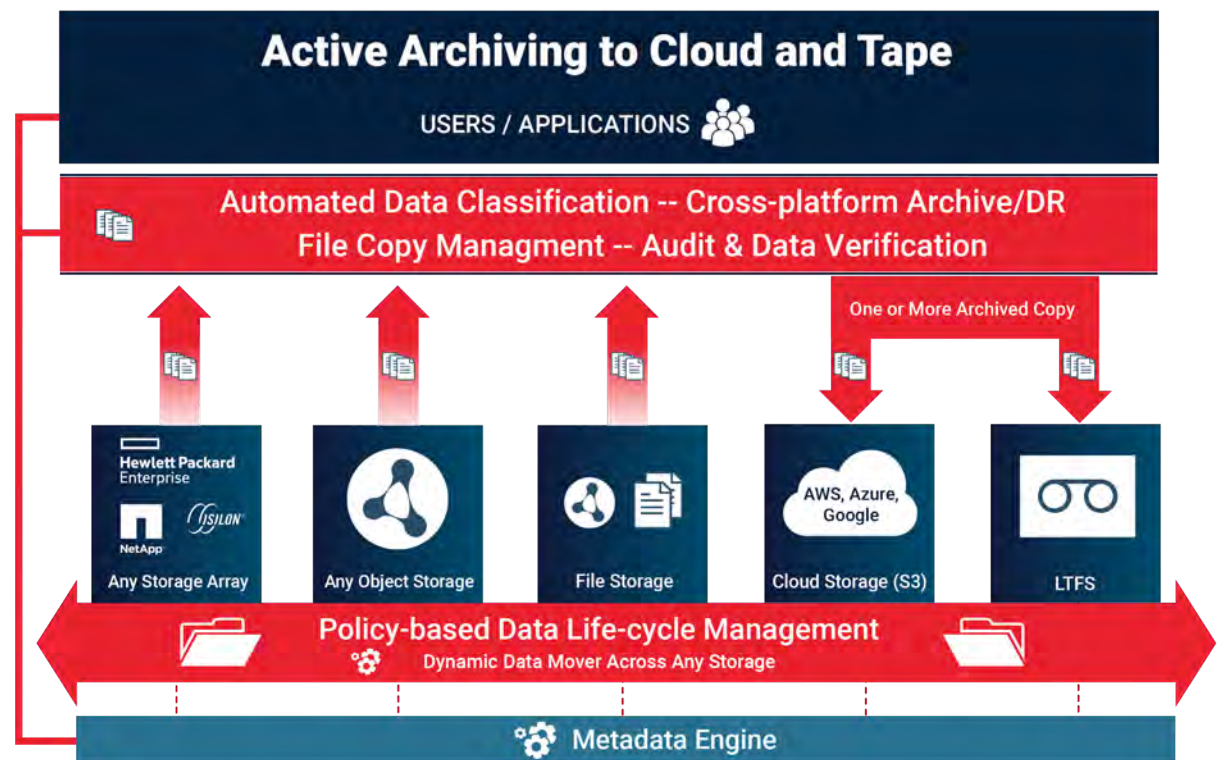
Benefits:

- Auto data classification extracts actionable insights from data & metadata
- Life cycle management policies ensure tiering optimization of cold/cool data
- Global namespace with search enables direct file access - no rehydration needed
- Enforced data provenance, curation, heritage, and governance requirements

Active Archive & Tiering

Global File Access, SLA driven – No Rehydration Required (Backup replacement)

Several Top-Ten US Life Science Customers



Requirements:

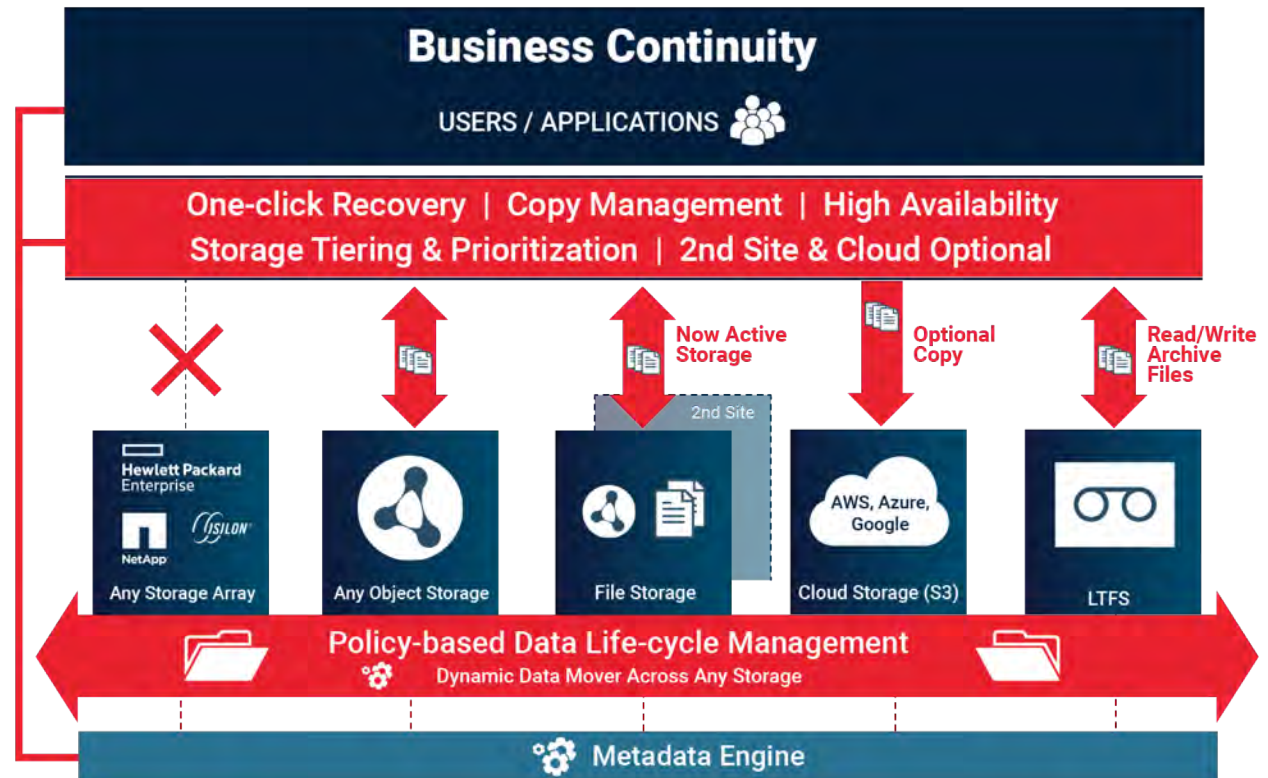
- Self-service restore
- Ensure resiliency & accessibility
- Protection rules defined by the data's value to the business - not one size fits all

Benefits:

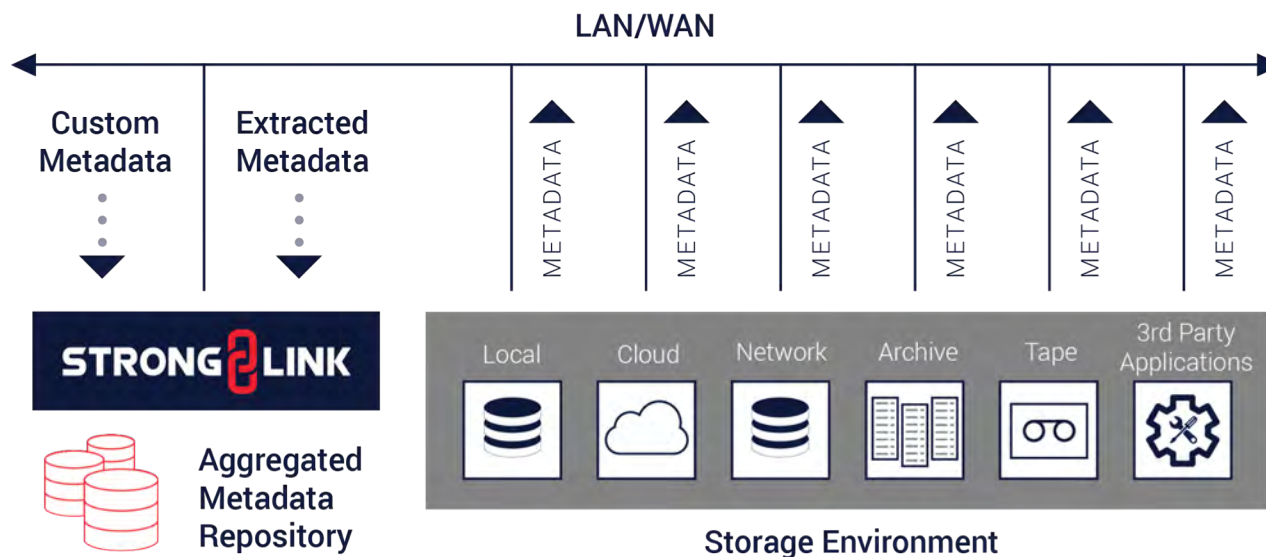
- Multi-Copies - onsite, offsite, & cloud
- Data provenance & integrity verified
- RPO (recovery point objective)
 - Versioning
 - User-accessible "one click" restore
 - Data integrity checks
 - Self healing
- Zero-time RTO (recovery time objective)
 - Instant data recovery
 - No human intervention
 - QoS Policy access the first available copy

Business Continuity/DR

No Change in User or Application Data Access -- Instantaneous Recovery



Aggregated Metadata Powers Data Automation



- **Metadata is harvested from multiple data sources**

- File System metadata
- Extract rich header metadata
- 3rd party metadata
- Users can create their own custom metadata

- Files don't have to be moved to harvest metadata, but file can be migrated at anytime, metadata always stays with the file

- **Open architecture**

- Normalize metadata w/o transformation
- Original schemas retained

Data Insights Drive Automation

- Visualization and statistical analysis
- Automate pattern discovery
- Pattern-based prediction
- Root Cause Analysis
- Increases user productivity
- Maximize storage utilization & efficiency



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The Ultimate Software Solution for
Heterogeneous Storage & Data Management