

CELEBRATING 10 YEARS



STARFISH



TAKE  
THE **RAGE**  
OUT OF **STORAGE**

ST  R **FISH**

*because files don't manage themselves*



# Based on a Simple But Powerful Paradigm

DISCOVERY + EXECUTION



**A DATA  
CATALOG**

FOR UNSTRUCTURED DATA

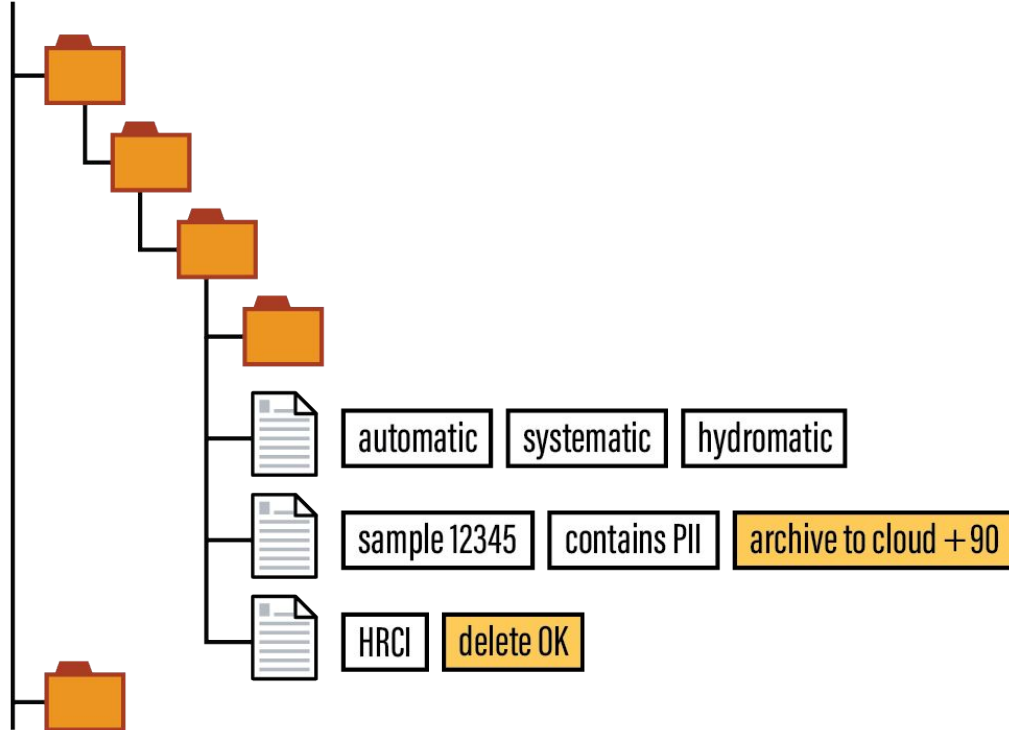
**A SCALE-OUT  
DATA MOVER**

& BATCH PROCESSOR

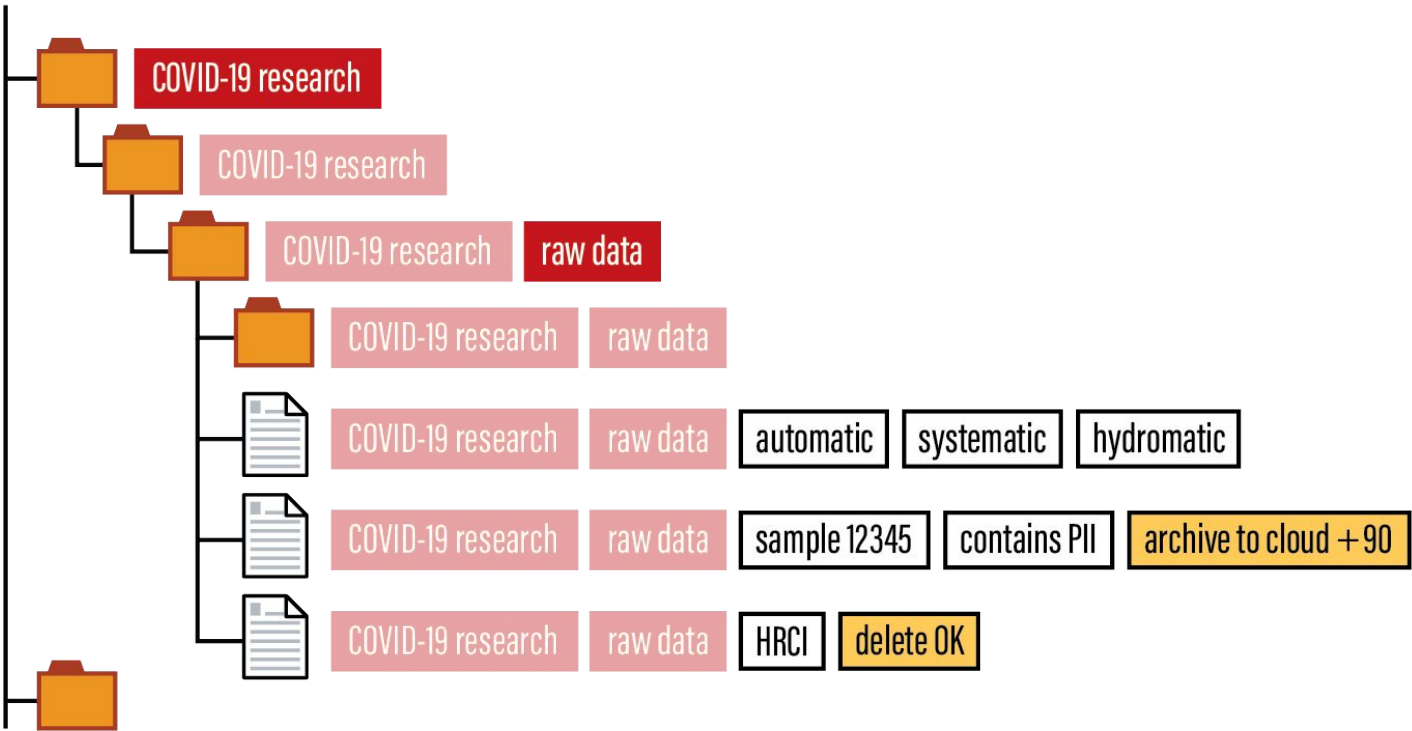
## What's in the Catalog?

- File system metadata that we get by scanning
  - We have a super-sophisticated scanner that works in the most demanding environments.
  - Directory values are aggregated: file count, capacity, oldest and newest time stamps
- History of the name space over time
  - you can query and report on files that are no longer there
- Simple tags – file and directory labels applied by GUI, CLI, or API
  - Directory tags inherit down the branch
- Key-value metadata for when tagging is not enough

# Tags - for CLASSIFICATION or to indicate some kind of ACTION



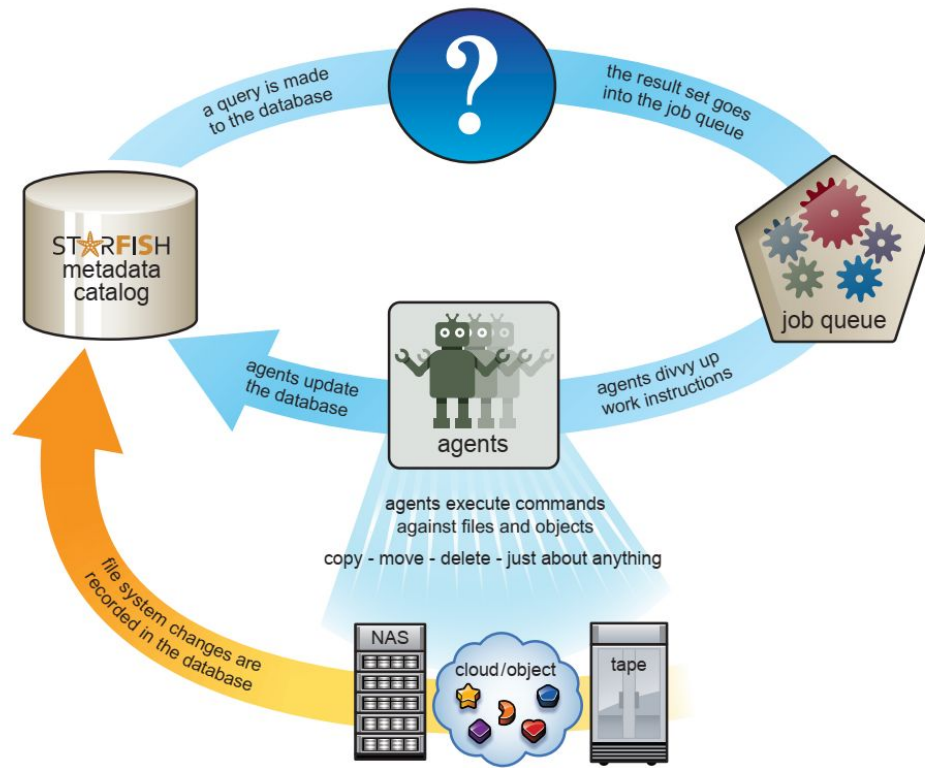
# Directory Tags Are Inherited Down the Branch





# The Feedback Loop Between Catalog and Batch Processor

- The **output** of a query is the **input** of a batch process
- The **output** of the batch process **updates** the catalog with key-value pairs that describe what was...
  - ... done to the file
  - ... discovered about the file
- These **key-value** pairs are now discoverable properties of the file for the next query.

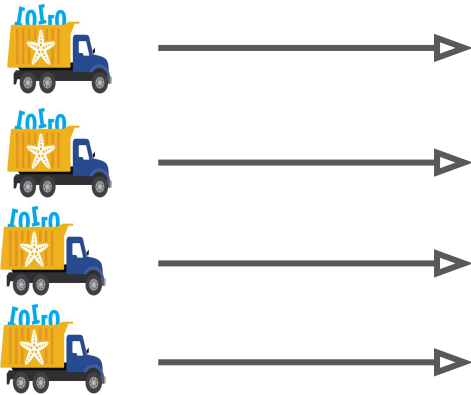


**Query - Execute - Update - Repeat**

# Integrated Parallel Data Mover - Multi-threaded and Multi-server



- Archive
- Backup / Restore
- Migrations
- Replication
- Cloud-burst
- Pipelines and Workflows





# Deputize Users to Manage Their Own or the Their Team's Files



- Logically group directories together into a “ZONE”
- Assign users to administer files in the zone.
- Users apply tags from predefined tag sets.
- Users see capacity summaries for the zone
- Users can apply tags

# Storage Vendor Agnostic

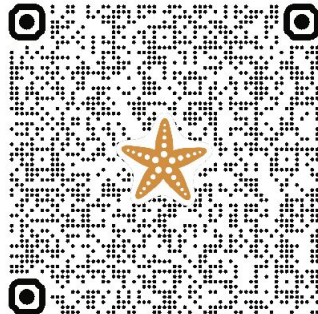
Starfish works across all enterprise  
NAS, HPC file systems, and S3-style object stores



# Starfish Activities This Week



Monday Morning  
8:00 - 11:00  
Please RSVP



Tuesday Evening  
8:00 - 11:00  
See web site for  
details

