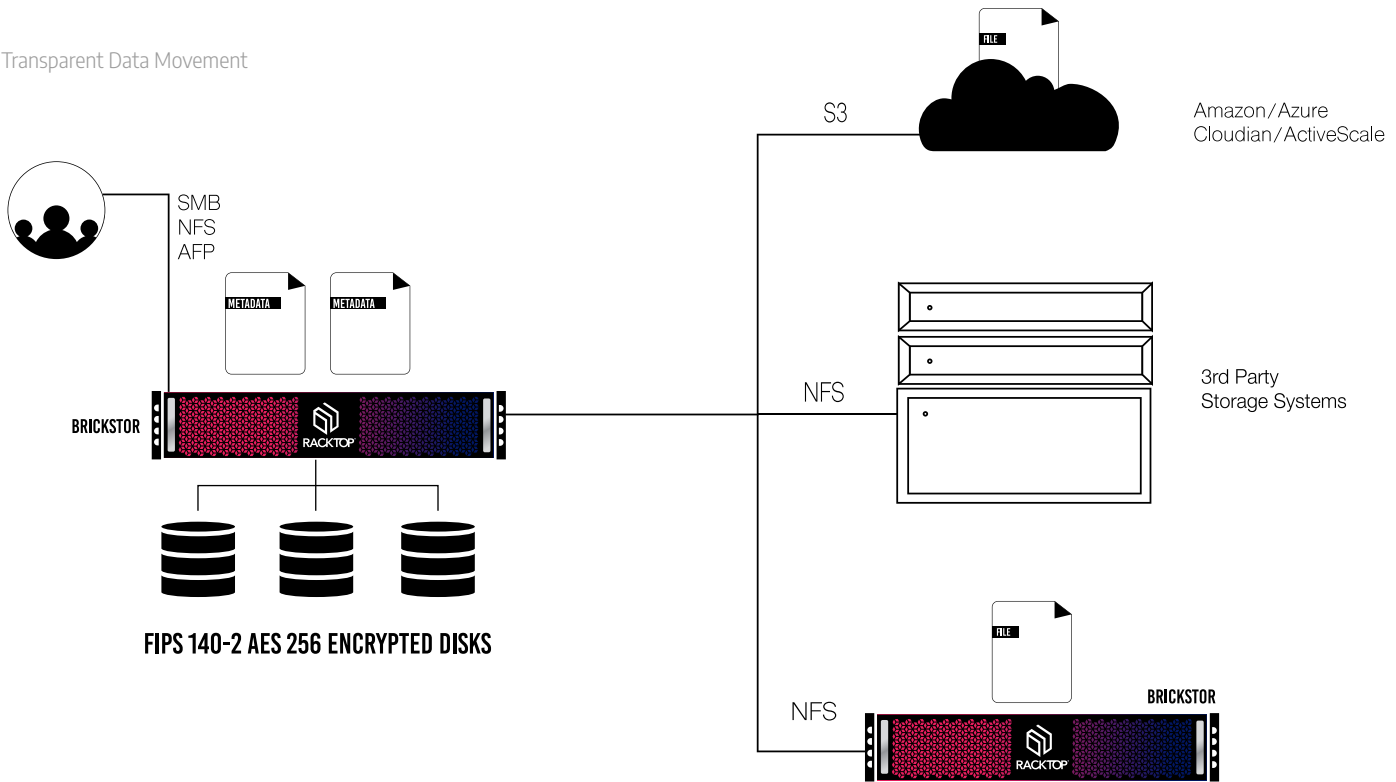# Transparent Data Movement

Securely use data both locally and in the cloud without impacting your processes or applications.

BRICKSTOR

SMB
NFS
AFP

METADATA METADATA

FIPS 140-2 AES 256 ENCRYPTED DISKS

S3

Amazon / Azure
Cloudian / ActiveScale

NFS

3rd Party
Storage Systems

FILE

NFS

BRICKSTOR

How it Works

- Users access BrickStor using their standard file protocol of choice
- Data Shares are linked to TDM targets using RackTop's Data Movers For NFS or S3
- Data is transparently migrated to the TDM target in the background
- A copy of the file metadata stays local so shares "look" the same to end users
- TDM routes IO requests to various data movers to fetch the actual data where it resides
- TDM's demand cache optimizer reduces cost and improves performance by reducing IO for remote files

Benefits

- Provides security and compliance features on top of your legacy NAS or S3 object storage
- Reduce storage costs and TCO
- Policy-based tiering for Hierarchal Storage Management (HSM)
- Facilitates a hybrid cloud strategy and assured security
- Fully depreciate older NAS equipment as a TDM target
- TDM server transparently moves data to "back-end" servers
- Tier data to multiple tiers and locations vie S3 or NFS
- Recover files from anywhere
- Large files are chunked to create more efficient object updates; eliminates the need to rewrite the whole file to the TDM Object target every time

Cost Savings

- Reduce utilization on your expensive storage tier
- Move data off a flash tier to a hybrid or object tier
- Eiminate third party data migration and HSM licenses