

A large, stylized white letter 'C' is positioned in the upper left quadrant. A thick, dark grey arrow points from the right side of the 'C' towards the center. Another thick, dark grey arrow points from the bottom right towards the center. The background is dark grey with a subtle grid pattern.

# Transparent Data Movement

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

The screenshot displays the BrickStor SP management console for a specific data share: bsr-c164ad5f (10.1.12.187). The interface is divided into several sections:

- Summary:** Data (1.64GB), Reservations - Data (1.13GB), Snapshots (2.35GB), and Shared - Non-Reserved Pool Free Space (4.08GB).
- General:** Includes sections for Sharing, Data Protection, Encryption (1 encrypted datasets), Metrics, Audit, and Network.
- TDM Locations:** Lists three NFS locations:
  - nfs:10.112.144/cloudshare/new (180MB, Online since 1:28PM)
  - nfs:10.112.144/cloudshare/tdmui (45MB, Online since 1:28PM)
  - nfs:10.112.144/cloudshare/test (87MB, Online since 1:28PM)
- Data Distribution:** A donut chart shows the distribution of data:
  - 240.5MB local
  - 210MB locally cached
  - 312MB remote
- Datasets:** A table lists various datasets with their reclamation status and location distribution.
 

Dataset	Reclamation	Local	Cached	Remote	Action
p01/global/ds/tdm	immediate	36KB	0B	0B	[Icons]
p01/global/files	dynamic	36KB	0B	0B	[Icons]
p01/global/important	dynamic	180.2MB	180MB	180MB	[Icons]
p01/global/marketing	none	30.1MB	0MB	15MB	[Icons]
p01/global/new/tdm	dynamic	30.1MB	30MB	30MB	[Icons]
p01/global/sales	immediate	37.5KB	0B	87MB	[Icons]
p01/global/userData	dynamic	39KB	0B	0MB	[Icons]

## How it Works

- Users access BrickStor SP 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 Hierarchical 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 via 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
- Eliminate third party data migration and HSM licenses