MoMA
Digital Collections
Storage Infrastructure
Conservation

• Routine maintenance
• Repair
• Preventative conservation
• Collaboration to ensure proper handling, care and storage
Everything else, 114,393, 76%

Media collections (including film department), 35,607, 24%
2011-2013: Over one thousand artworks digitized (from “zero” to 70 TB in three years)
Infrastructure purchased in 2012

- Two EMC VNX5500 units
- One in Manhattan
- One in Queens
- Manhattan replicated to Queens every 15 minutes using EMC Snapreplicator
- CIFS / SMB mount
- Access limited to Media Conservation
- Strict organizational standards and naming conventions
MoMA DIGITAL COLLECTIONS STORAGE

(in GB)

164TB by 2019
Ideal state

- Integrated off-site backup
- File-level fixity checks on all data stores
- Reporting of fixity in MoMA repository web app
- Cheaper cost per TB
Current state

EMC VNX 5500

CIFS & SMB

Manhattan copy

EMC VNX 5500

Queens copy

EMC VNX 5500

No third copy
No “backup” :(
Deposit via Archivematica

Access & mgmt via AtoM & A-Stor

NFS

Manhattan copy

- A-Stor appliance
  - 5TB Disk Cache
  - IBM TS3500 Tape library (LTO-6 / 3 drives)

- Offline tape

Queens copy

- A-Stor appliance
  - 5TB Disk Cache
  - IBM TS3500 Tape library (LTO-6 / 3 drives)

Hamlin, PA copy

- Cold storage (125 miles offsite)

Early 2015

DIGITAL COLLECTIONS STORAGE