

# HDD as Media for Long-Term Archiving

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# HDD's Role in Archiving Growing

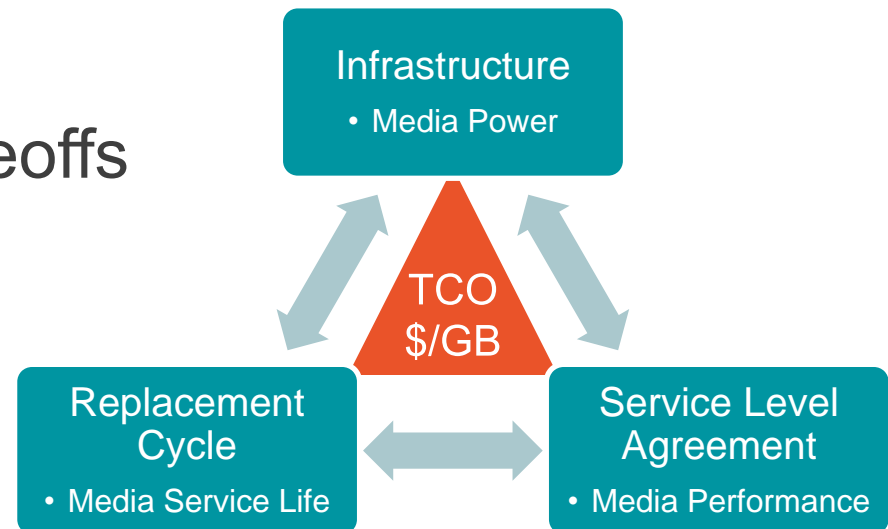
Don't miss the opportunity!

- Users:
  - Traditional Enterprise & “\_\_X\_\_ as a Service”
- New paradigms have changed the way data centers use HDDs.
  - Increased desire for analytics – “Analyze in Place”
  - User Challenges: realize new paradigms for benefits
- Consider a performance-capable Archive tier

# Archive Media Decisions

Consider *System* capability, target use, and affordability on a per-capacity basis

- 3.5-inch HDD Options for Archival Storage Media
  - Enterprise Grade Nearline HDD - SAS & SATA
  - Low cost commodity disk - SATA
- Systems will balance tradeoffs
  - Low TCO
  - Service Level
- Future Interfaces
  - SAS
  - SATA
  - Ethernet Key-Value (Seagate Kinetic Open Storage Platform)



# SMR uniquely positioned to support the needs of cold storage & long term Archive

- Higher capacity enables lower \$/GB
  - Shingled Magnetic Recording is the most cost-effective enabler for higher HDD capacities
- Good Match between Technology & Application
  - Archive applications typically write sequentially
  - Sequential writes are very friendly to SMR technology
- SMR from Seagate can be deployed to archival applications (& more) – this year!

# HDD for Long Term Archive

- HDD's role in Archive is Growing
  - Don't miss the opportunity!
- Consider System capability, target use, and affordability on a per-capacity basis
- SMR uniquely positioned to support the needs of cold storage & long term Archive