Future of Tape Technology
Future Of Tape Technology - Agenda

- Capacities, Speed and Feeds
- New Technology
- Higher level Integration
- Feature Enhancements
Future Of Tape Technology – Capacity, Speed and Feeds

- Technology refresh every 28 – 32 Months
  - Continued Doubling of capacity
    - Non-Consortium controlled growing 60% CAGR
    - Native data rates increasing by 65-75%

- Industry improvements in Data flow
  - Ability to handle flushes more efficiently

- Industry improvements in Seek and Rewind speeds
Future Of Tape Technology – $ per GB

- DRAM
- NAND
- HDD 2002 estimated CAGR
- Tape
- Credit Suisse 2008 Study
- Grochowski 2003
- IDC 08
- HDD History

$ / GByte

-Year


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Future Of Tape Technology – New Technology

- Standardization and Adoption of LTFS
- Continue to make Tape easier to use
- Continued support for LTO Consortium
- Adoption of next generation External interfaces
- Increased autonomies in the Tape drives
- Improved Media coatings
Future Of Tape Technology – Higher Level Integration

- Adoption of LTFS by ISVs and OS native
  - Bring LTFS to the forefront of usage
  - Allow easy connectivity of tape
  - Reduce “specialist” support

- Increased usage of LTFS in Global Name Space and Cloud Applications
  - Drive more open solutions with transparent tape usage
Future Of Tape Technology – Feature Enhancement

- Hostless operations
- Improved Data searches
- Enhanced Reclaim of media space capabilities
- Improved Data Protection/Security
Thank You