UFC KOs Video Production Bottlenecks with TMS RamSan-710

Dan Scheel
President, Texas Memory Systems

Ultimate Fighting Championship

- UFC® is the fastest growing sports organization in the world.
- Leads its industry as one of the largest producers of video content.
- Over 350 hours of original content will be produced this year for its cable broadcast.

UFC
ULTIMATE FIGHTING CHAMPIONSHIP

Original Configuration

Quantum StorNext Platform

Scale-out file system

- Transcoding
- Editing

1 PB

15k HDD

- Archiving

2.5 PB LTO Tape

Situation: I/O-Intensive Application and Strict SLAs

- UFC provides content in over 100 unique final formats and resolutions, for everything from big-screen TVs to tablets and smart phones.
- Video transcoding is an I/O-intensive process that can choke even the most robust hard disk arrays.
- Live events must be edited, compiled, and delivered to over 130 platforms within a few hours to meet strict SLAs

Problem: Not Physically Fit

- Disk heads simply were not physically fast enough to keep up with frame-by-frame high definition video transcoding
- HDD's fundamental performance limitation degraded the video production operations by:
  - Limiting the amount of content it could transcode and deliver to its partners
  - Slowing down all other editing projects, limiting the overall production output.

Solution: Tier-0 RamSan SSD

RamSan-710

- 5 TB capacity
- 400,000 IOPS
- 3.2-GB/s throughput
- Latency 25-100 µs
- High density SLC Flash SSD system available in a 1U.
- Two 8-Gbit Fibre Channel ports
- Enterprise Reliability
  - Single Layer Cell (SLC) Flash
  - Variable Stripe RAID™ (VSR™)
  - Active Spare

New Architecture

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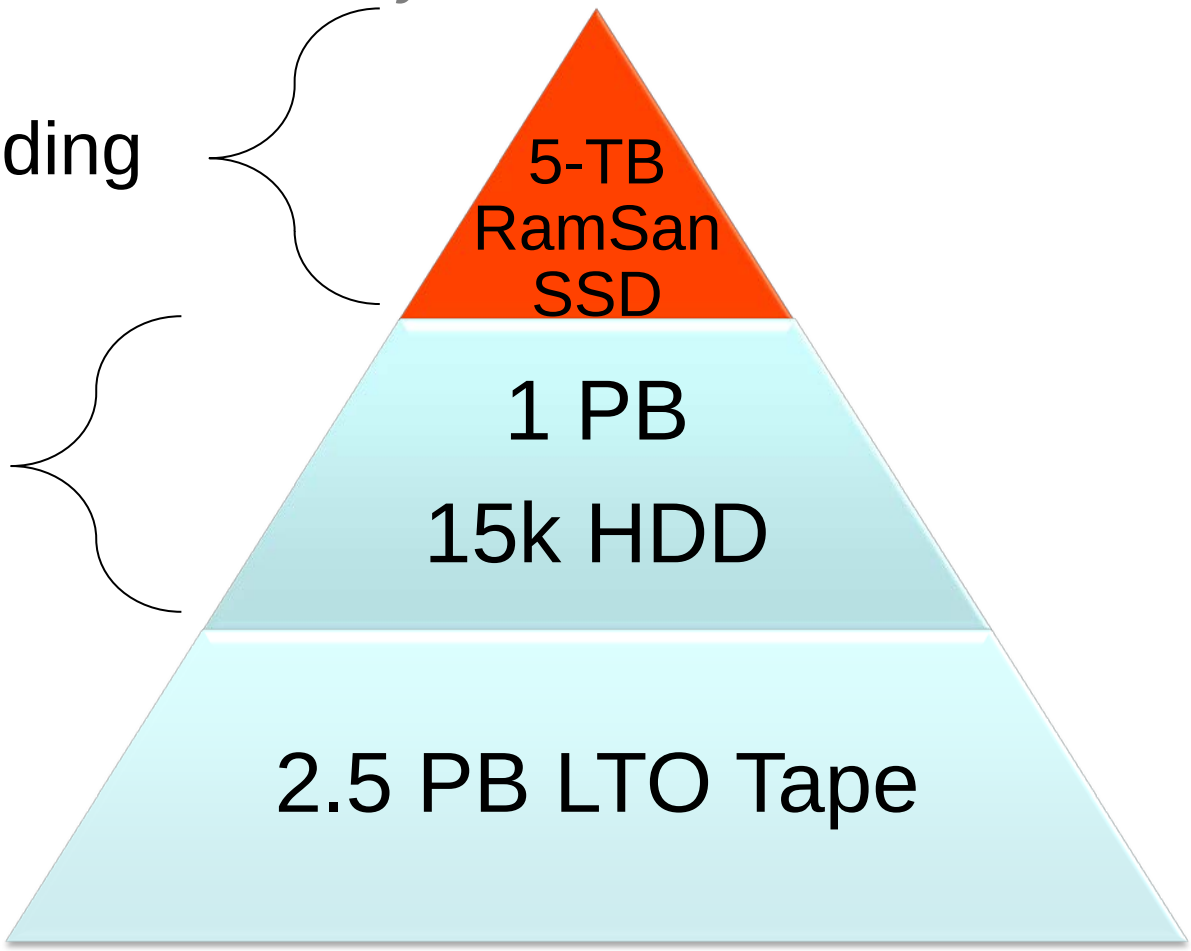

Results

- Increased quality and quantity of content delivered to partners
  - **70% reduction in processing time**
- Improved user experience
  - **No bottlenecks editing or transcoding**
- Improved infrastructure utilization
  - **40% performance increase across the board**
- Performance to spare for further expansion

Thank you!