StorNext 4.2 – EDLM with the Scalar i6k

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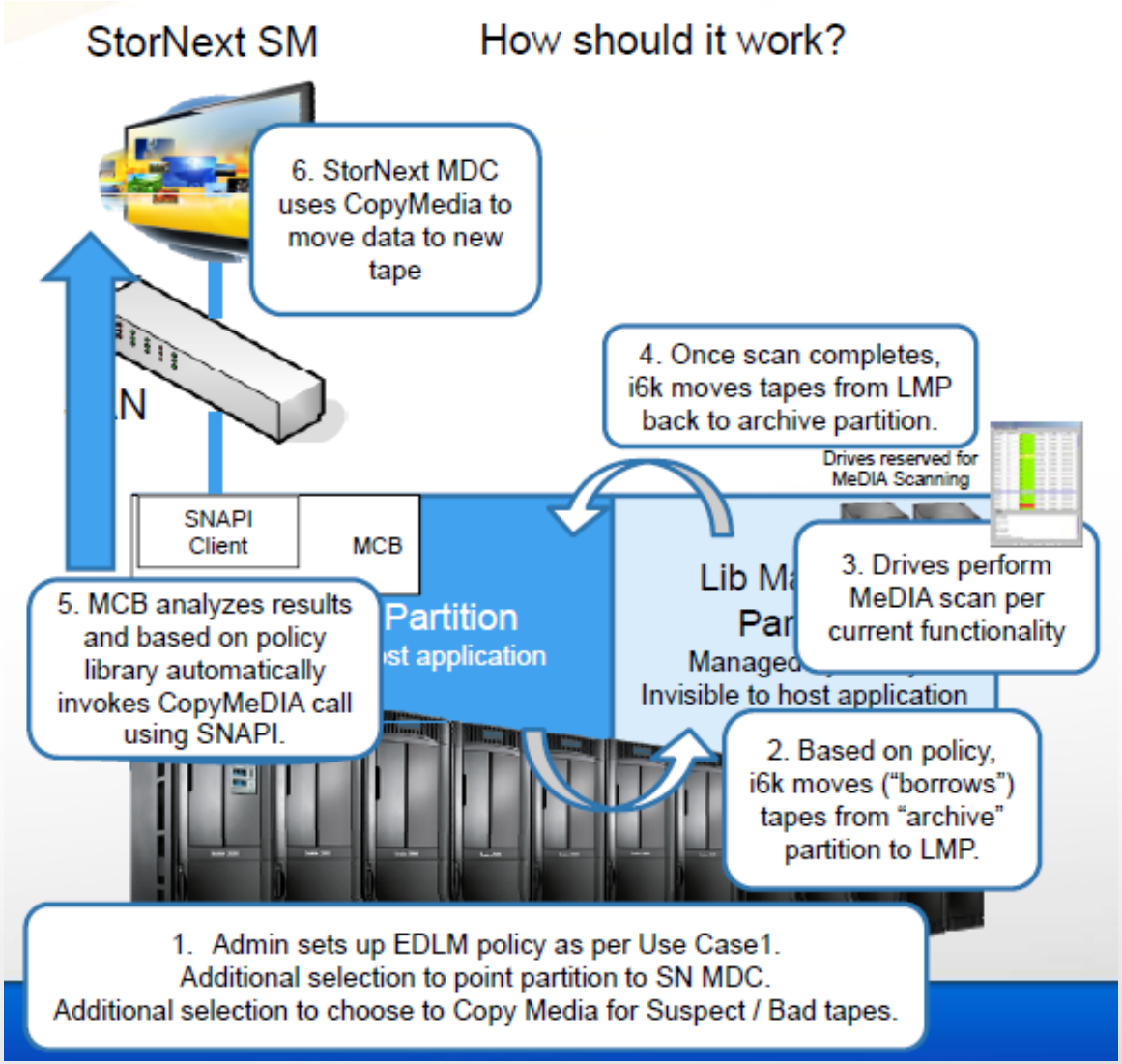
Quantum

EDLM – What is it?

- Extended Data Lifecycle Management
  - Scalar i6000 based feature
    - Scalar i500 will add feature in i8
  - Provides Data Protection
    - Tape Scanning
      - Policy
      - Manual
      - RAS ticket notifications
    - StorNext integration via SNAPI
      - Suspect Count
      - Issue Medcopy commands

EDLM – What is it?



Quantum

Scalar i6000 EDLM Configuration

- Install EDLM drives
  - HP LTO4 and LTO5 drives only
  - Special flag on Sled to prevent usage in a customer partition
  - Must be connected to dedicate 7404 IO Blade
- Install EDLM license key
- Create Library Managed Partition (LMP)
  - Partition that is hidden from host applications
  - Hosts the EDLM drives

Scalar i6000 Scanning

- Manual
  - Select individual tapes at any time
- Policy
  - One per partition
  - Multiple options for each policy

Scalar i6000 Scan Policies

- Enable External Application (StorNext)
  - Library checks “suspect count” on dismount
  - Scan performed if “suspect count” is set and above StorNext threshold
    - Only scans it once at the threshold
    - RAS Ticket generated on the library
  - If scan fails “medcopy” is started
    - Write protect the media on StorNext
    - RAS Ticket generated on the library

Scalar i6000 Scan Policies (cont)

- Tape Alert thresholds
  - 3 is the default but configurable
- Time interval
  - Day increments
  - Be careful it’s possible to thrash the system
- Scan on import

Scalar i6000 Scan Policy Types

- Quick Scan
  - Reads only cartridge memory (CM)
  - Evaluates error counts and thresholds (not configurable)
  - Less then one minute to scan
- Normal Scan (default)
  - Reads CM plus selected portions of the tape
  - ~20 minutes to scan
- Full Scan
  - Reads CM and scans entire tape
  - 2 hours or more

Scalar i6000 Scan reports/results

- Queued scans allow state changes
  - Stop, Pause, Resume
- Report details
  - Individual media information
  - Good, Bad, Suspect, Untested, Not Completed