

DECADE Requirements

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Overview

- This presentation reflects revised version of submitted -01 draft
- Focus on overview of requirements instead of specific language
 - Revised requirements draft will be submitted following BoF
- ***Purpose***
 - ***Frame discussion on working group scope***
 - ***Not to discuss requirement specifics***

Data Access

- In-network storage Access Protocol (IAP) supports read, write, delete operations
- IAP may be supported between in-network storage servers

Resource Control

- Allow user to decide how to manage allocated resources for operations performed by remote peers
 - Examples: storage quota, connections, priority, bandwidth limit
- May support ability for users to share resources amongst multiple applications

Authorization

- Ability to authorize individual peers to retrieve particular content
- Ability to authorize individual peers to store content

Data Management

- Retrieve status of storage (resource usage, stored content, etc)
- Client must be able to assign time-to-live for content, or delete explicitly

Error Conditions

- Support error condition indicating that requested user resources were not available (e.g., storage quota exceeded)
- Support error condition indicating that content was deleted or marked unavailable by storage provider
- When operating close to capacity limit, in-network storage can reject requests or indicate overloaded state to clients

Comments and questions?