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?