DECADE Re-Chartering Discussion IETF81

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Review of IETF80 Discussion

- Is it time to define the "DECADE standard"? (yes)
  - Three candidate IETF protocols for data access: HTTP, WebDAV, and NFS
  - One candidate IETF protocol for delegating user permissions: OAuth
- Should we make one data transport protocols mandatory? (yes)
- Should DECADE depend on a single name format? (uncertain)
- New topics that are essential for this WG? (discovery)

Thoughts on Data Transport

- DECADE does not appear to need most of the NFS mechanisms. DECADE is not a general file store, doesn't need file locking, and only needs a flat namespace.

- WebDAV is still interesting, as DECADE could leverage its capability to request the properties of an object. DECADE doesn't need WebDAV collections or file locking.

- HTTP looks to be sufficient for DECADE's purpose.

- DECADE needs to define at least one baseline protocol for client and server. PROPOSAL: DECADE charter will focus on an HTTP-based data transport protocol (which may include WebDAV operations).

Thoughts on Authorization, Naming

- OAuth 2.0 is the preferred authorization protocol for HTTP transport for DECADE. NFS transport may require a different solution. DECADE may need an OAuth 'extension'. Further analysis is needed before ruling out OAuth alternatives. PROPOSAL: DECADE charter will focus on Oauth for authorization.

- DECADE needs to choose a naming scheme for data objects. Naming must be location agnostic. DECADE may define a naming scheme based on URIs. PROPOSAL: DECADE to coordinate with Apps Area prior to determining re-chartering approach.

Thoughts on Discovery, Scope

- Does DECADE require a discovery mechanism? If so, what discovery approach should DECADE use? Should we use ALTO discovery as a model? PROPOSAL: DECADE charter will include the specification of a discovery mechanism.

- Should DECADE clarify its scope beyond P2P? PROPOSAL: Perhaps soften the language about the DECADE application domain per the wording in the Requirements draft.