DECADE Architecture

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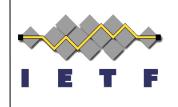
H. Liu



IETF 81, July 2011

http://tools.ietf.org/html/draft-ietf-decade-arch-02

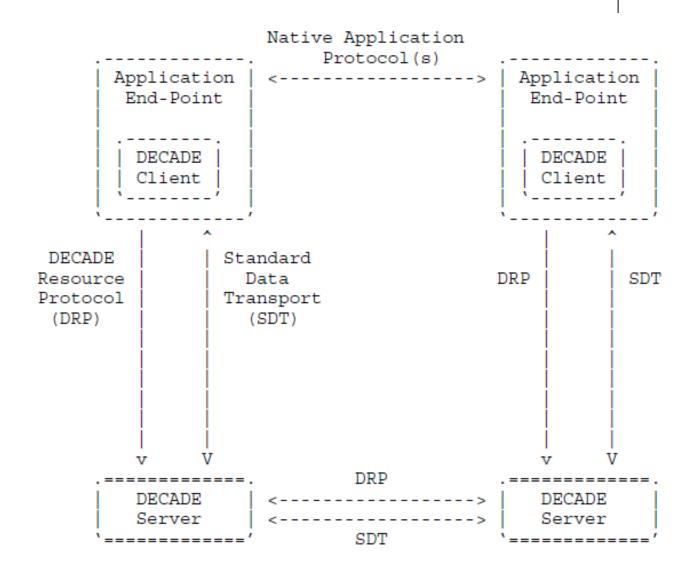
Summary of Updates to -02



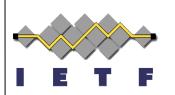
- Received detailed review comments from:
 - Martin Stiemerling
 - David McDysan
 - Borje Ohlman
- The major changes to the I-D were:
 - Re-wrote section on functional entities for clarity
 - Moved SDT and DRP separation to beginning of document
 - Added illustration of protocol flow
 - Split and re-worked architecture figures for clarity
 - Added section on Discovery to System Components
 - Added more detail to Security Considerations
 - Many more editorial updates for clarity



DECADE Protocols



Example of Download from Storage Server





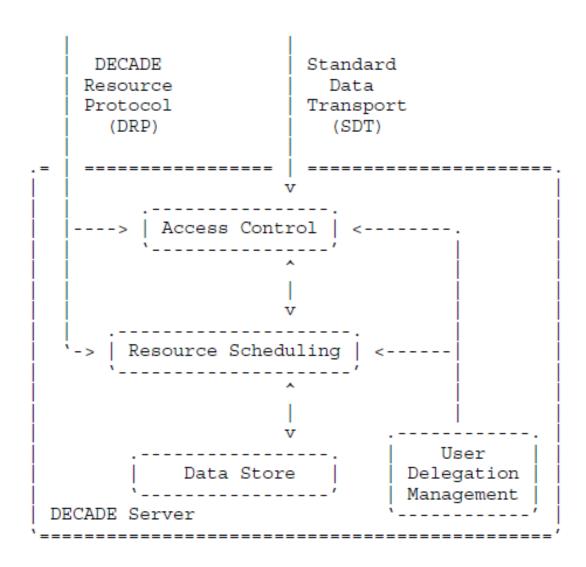
Client Components

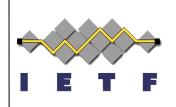


Native Protocol(s) (with other Application End-Points) Application End-Point App-Layer App Data Assembly Algorithms Sequencing DECADE Client Resource Controller Data Controller Data Resource Data Data Sched. | Access | | Sharing Index Policy Policy DECADE Standard Data Resource Protocol Transport (DRP) (SDT)

Server Components

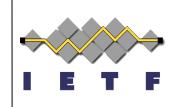






New Section: Discovery

- Specific requirements in draft-ietf-decade-reqs
- This document discusses concepts relating to other principles in the architecture
 - DECADE Client may decide how to distribute load and requests across servers (e.g., if it has access to multiple servers)
 - Not intended to provide discovery of DECADE Servers used by other DECADE Clients



Next Steps

• Is it ready for Last Call?