

ALTO and DECADE WG Introduction

ALTO WG

- Protocol for providing apps with information about network characteristics
 - “... to perform better-than-random peer selection”
 - Peer-to-peer, VoIP, streaming, CDN...
- Slow-changing information, not strictly “transport”
 - Estimated “cost” for going from A to B
 - Based on topology, estimated RTT, jitter...
- Main deliverables:
 - Protocol + server discovery
- Side deliverables:
 - Problem statement, requirements, deployment considerations
- ALTO for CDN use case (CDNi?)

DECADE WG

- Problems
 - Last mile uplink bandwidth consumed by P2P streaming and file-sharing applications; and asymmetric bandwidth limits the performance of certain P2P apps
 - The existing P2P Cache solution is complex (various evolving protocols), and less efficient integration (no resource controls)
- Motivations
 - Introduce in-network storage with standard access protocol, and reuse existing protocols as much as possible
 - Improve P2P application performance (esp. with asymmetric bandwidth)
 - Save bandwidth for ISPs and allow business innovation using in-network storage
- Deliverables
 - Problem Statement, Survey (finish WGLC)
 - Architecture and Requirements
 - The WG starts re-chartering discussion...