

ALTO Requirements

draft-ietf-alto-reqs-06

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New/Changed requirements since -05

- REQ. ARv06-30: “redistribution control” in ALTO reply
 - ALTO server indicates which resource consumers can benefit from the provided guidance
 - Peers can redistribute the ALTO reply to other peers in the target aud.
 - Trackers can use the same ALTO reply to optimize peer lists sent to different peers in the target audience
 - Load reduction on the ALTO server!

 - What we already had: ALTO server can specify an explicit “target audience” (e.g., list of IP prefixes) for a reply
 - **New:** As an alternative: ALTO server should be able to indicate: “any client that would ask the same question to me can re-use this reply.”
 - No need to duplicate information about coverage of an ALTO server to discovery mechanism (e.g., DNS based) and ALTO server itself

Open Issues and Next Steps

- We now have a “deployment considerations” doc. in charter
 - Authors will propose soon, which sections of informative text should better be moved there
- **Rating Criteria** (the conditions and relations that define the “better” in “better-than-random peer selection”)
 - Sure, the ALTO protocol **MUST** be extensible so we can add new criteria later (ARv06-17), but:
 - Shouldn’t we define, for the sake of interoperability, a **basic set of reasonable rating criteria** that **MUST** be supported by all ALTO implementations?
 - So far, we have only an informative list of criteria that have been proposed in the past (Section 5). Does this need further work?

Open Issues and Next Steps

When to finalize this document?

- Option 1:
 - keep the requirements doc open until all technical specifications (ALTO protocol, discovery mechanism, etc.) are published
 - then adjust requirements to what has been achieved
- Option 2:
 - Re-visit the requirements now, try to finalize the document “soon”
 - This may also help to identify open issues in the technical specs
 - Issues that might arise while finalizing the other docs can be discussed there or in the deployment considerations document

Comments? Opinions?