## ALTO Protocol

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Grateful to contributions from large number of collaborators; see draft for complete list.

## Outline

- Summary of Changes

■ Impending revisions

- Remaining Issues


## Change Summary

- Additions
- Address types

■ Minor updates / fixes
$\square$ Protocol version number format (must be integer)
$\square$ Fix status codes in examples (they are strings, not integers)
$\square$ Clarification to text on redistribution and when ALTO Servers should have the same Service ID
$\square$ Signature in redistribution

## Address Types

- Motivation
- Finally ALTO knows the difference between IPv4 and IPv6
- Two ways in which types are used:
$\square$ Describe type of a single endpoint
■ Used in endpoint cost/properties
- Describe types of multiple endpoints
- More compact; used in map services


## Impending Revisions

- Discussion on mailing list resulted in some additional suggestions
$\square$ Fix places where certain requirements are overspecified, e.g.,
- Clarify that implementations MUST NOT make use of cookies (they should only be silently ignored)
- Which caching headers should be specified
$\square$ Make the character set for PID names have at least 64 characters
$\square$ To allow them to be Base64-encoded hashes


## Remaining Issues

- REST-ful or REST-like
- Keep the feedback from implementations coming

