

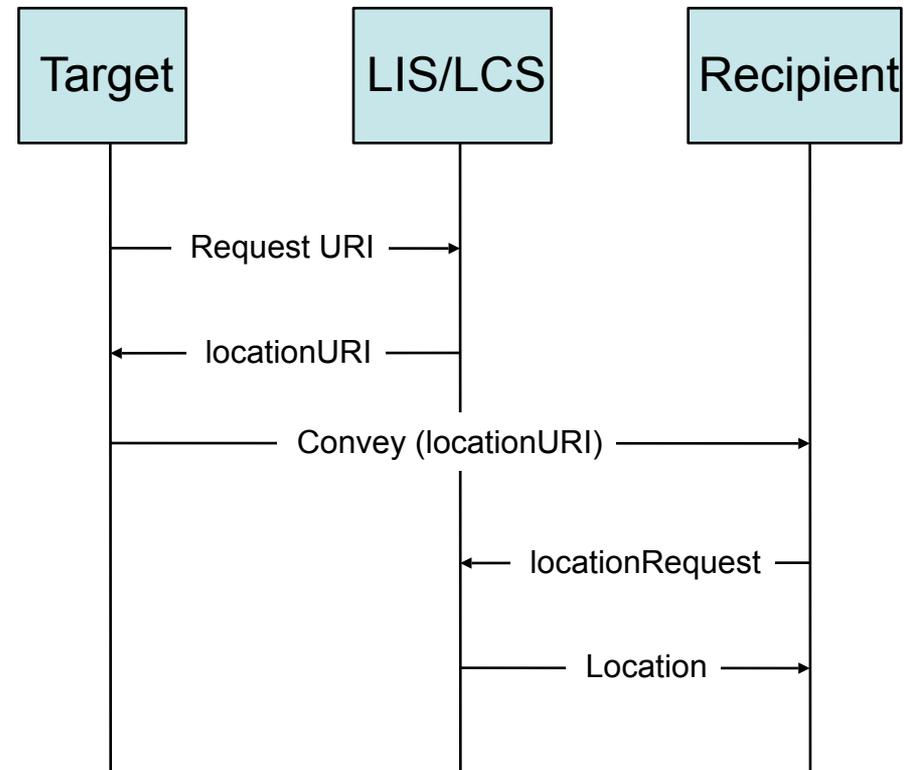
HTTP Dereference Protocol

By

Hannes Tschofenig
James Winterbottom

Quick Overview of Context

- Target requests a location URI from the LIS/LCS.
- Target give location URI to Recipient
- Recipient requests location of Target from LIS/LCS
- These drafts care about HTTP URIs



Using Protocol or Transport Protocol

- **RFC 3693 says**
 - The "using protocol" is the protocol that uses (reads or modifies) the Location Object.
 - A protocol that just transports the LO as a string of bits, without looking at them (like an IP storage protocol could do), is not a using protocol, but only a transport protocol.
 - Nevertheless, the entity or protocol that caused the transport protocol to move the LO is responsible for the appropriate distribution, protection, usage, retention, and storage of the LO based on the rules that apply to that LO.
- **By this definition:**
 - SIP conveyance is a using protocol, it may look at the information and use it for routing.
 - The HTTP dereference protocol is a transport protocol, it fetches and secures the location information in transit.

Differences between the two proposals?

- draft-winterbottom-geopriv-held-deref-bcp-01
 - Describes how to use HELD to request location information when given a location URI.
 - Minimal security section largely borrowed from Ted Hardie's strawman proposal.
- draft-tschofenig-geopriv-http-using-protocol-00
 - Uses simple HTTP GET
 - Has great details on security aspects
 - Builds on Ted Hardie's strawman proposal.

Proposed Solution

- Merge the proposals and produce a single HTTP dereference specification.