

MSRP Relays

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Status and Changes

- Document still contains inconsistencies
- Edited late at night with too little time
- The new MSRP draft contains the changes to make the relay draft work. Tried to get MSRP relay draft fully aligned, but we missed a few spots

Significant changes

- Response/Report Handling
- Addressing
- Use of TLS
- Rechunking

Response/Report Handling

- responses to SEND requests (if appropriate) are hop-by-hop
- responses to AUTH requests are end-to-end
- REPORT requests have no responses

Addressing

- Client can use SRV to discover its relay, but in SDP always use explicit host, transport, port
- Client which needs multiple relays, sends AUTH to each one from inside to out
- Advertise *your* path
- Get the remote path and add it to your path
- Relay authorizes request based on path
- When forwarding, Relay removes itself from To-Path and adds itself to From-Path

TLS

- relay to relay is **ALWAYS** TLS with mutual authentication
- client to its relay is **ALWAYS** TLS with Digest
- foreign relay to client can be either TCP or TLS

Rechunking

- Core protocol now supports chunking really well
- Relays can rechunk a message to be bigger *or* smaller
- if you send chunks over 2k, you have to be able to interrupt them

Open Issue: Refreshing AUTHs

- Currently no way to refresh a URI that you got via AUTH
- Proposal: Client periodically sends new AUTH requests. Client can send to a specific URI in the To-Path.
- Need to work out details

Next Steps

- Fix this to be consistent with base MSRP
- Fix this to be consistent with itself :-)
- What other changes are needed?