LISP Map Server Reliable Transport
draft-ietf-lisp-map-server-reliable-transport-03

D. Lewis
B. Pitta
M. Portoles
C. Cassar
I. Kouvelas

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Quick Recap

• Avoids periodic UDP communication between xTR and Map-Server to maintain soft state
• The LISP Map-Server Reliable (TCP) transport is extensively used in multiple deployments
• Current production deployments show rapid benefits to scale deployments, and it’s been key to support operation at scale.
  • Deployment with large number of EIDs
  • Mobility at scale
  • Redistribution of database-mappings to interact with other systems
  • Helps to scale scenarios where 1000s of EIDs per XTR and thousands of XTRs
Updates since –Version 01 (presented at IETF 114)

- Removed QUIC/SCTP as transport
  - Based on received feedback
  - There is TCP implementation in production at multiple deployments
  - There are no known implementations based on QUIC or SCTP
  - QUIC as transport can be separate draft in the future, if there is interest
- Focus now is only on TCP as the transport
Ports allocations

- Document includes IANA Considerations section with port allocation request

<table>
<thead>
<tr>
<th>Reliable Transport</th>
<th>Port allocation (intended)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP</td>
<td>4342</td>
<td>LISP CONS expired. Port no longer reserved</td>
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Comments, Questions?

• Request for WG last-call

• Should we move this to standard track?
  • Years of experience running this in production
  • ICAO requires Standards Track