

06 November 2023

IETF 118 LISP WG

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Note Well

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- [BCP 9](#) (Internet Standards Process)
- [BCP 25](#) (Working Group processes)
- [BCP 25](#) (Anti-Harassment Procedures)
- [BCP 54](#) (Code of Conduct)
- [BCP 78](#) (Copyright)
- [BCP 79](#) (Patents, Participation)
- <https://www.ietf.org/privacy-policy/>(Privacy Policy)

Note Really Well

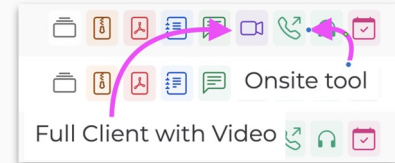
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IETF 118 Meeting Tips

In-person participants

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Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session
- Use of a headset is strongly recommended

Resources for IETF 118 Prague

- Charter:
 - <http://datatracker.ietf.org/wg/lisp/charter/>
- Zulip Room:
 - <https://zulip.ietf.org/#narrow/stream/lisp>
- Audio Stream:
 - <https://mp3.conf.meetecho.com/ietf118/31640.m3u>
- Meetecho
 - Remote Stream: <https://meetings.conf.meetecho.com/ietf118/?session=31640>
 - Onsite Tool: <https://meetings.conf.meetecho.com/onsite118/?session=31640>
- Agenda & Slides:
 - <https://datatracker.ietf.org/meeting/118/session/lisp>

WG Update @ IETF 118

-  Docs in RFC Editor Queue
-  Docs Past WG LC
-  Close to WG LC
-  On Hold / Issues
-  IPR













[RFC 9437](#) (was *draft-ietf-lisp-pubsub*)

18 pages 2023-08

Proposed Standard RFC

Publish/Subscribe Functionality for the Locator/ID Separation Protocol (LISP)

Active Internet-Drafts (13 hits)

<input type="checkbox"/> draft-ietf-lisp-map-server-reliable-transport-03 LISP Map Server Reliable Transport	21 pages 2023-10-20	I-D Exists WG Document	
 draft-ietf-lisp-yang-20 LISP YANG Model	82 pages 2023-10-10	I-D Exists WG Document Reviews:  yangdoctors Early  yangdoctors Early	
draft-jain-lisp-site-external-connectivity-09 LISP Site External Connectivity	7 pages 2023-09-26	I-D Exists Adopted by a WG	
draft-ietf-lisp-vpn-12 LISP Virtual Private Networks (VPNs)	17 pages 2023-09-19	I-D Exists WG Document	
draft-ietf-lisp-ecdsa-auth-11 LISP Control-Plane ECDSA Authentication and Authorization	18 pages 2023-08-28	I-D Exists WG Document	
draft-ietf-lisp-eid-anonymity-15 LISP EID Anonymity	12 pages 2023-08-28	I-D Exists WG Document	
draft-ietf-lisp-predictive-rlocs-13 LISP Predictive RLOCs	16 pages 2023-08-28	I-D Exists WG Document	
draft-ietf-lisp-te-13 LISP Traffic Engineering Use-Cases	19 pages 2023-08-28	I-D Exists WG Document	
 draft-ietf-lisp-name-encoding-02 LISP Distinguished Name Encoding	8 pages 2023-08-20	I-D Exists WG Consensus: Waiting for Write-Up Review:  rtgdir Early	Alberto Rodriguez-Natal 
 draft-ietf-lisp-nexagon-51 Network-Hexagons:Geolocation Mapping Network Based On H3 and LISP	32 pages 2023-08-05	AD is watching WG Document : Informational Review:  secdir Early	Jim Guichard  Luigi Iannone 
draft-ietf-lisp-mn-14 LISP Mobile Node	25 pages 2023-07-23	I-D Exists WG Document	
<input type="checkbox"/> draft-ietf-lisp-eid-mobility-12 LISP L2/L3 EID Mobility Using a Unified Control Plane	26 pages 2023-07-04	I-D Exists WG Document	
draft-ietf-lisp-geo-02 LISP Geo-Coordinate Use-Cases	14 pages 2023-06-04	I-D Exists WG Document	

Agenda Bashing

- **Chairs: Padma Pillay-Esnault, Luigi Iannone**
- **Secretary: Alberto Rodriguez-Natal**
 - **Rechartering Status**
 - 20 Minutes (Cumulative Time: 20 Minutes)
 - Chairs
- **WG Items**
 - **LISP Reliable Transport**
 - 10 Minutes (Cumulative Time: 30 Minutes)
 - Balaji Pitta Venkatachalapathy
 - **LISP L2/L3 EID Mobility Using a Unified Control Plane**
 - 10 Minutes (Cumulative Time: 40 Minutes)
 - Dino Farinacci
- **Non WG Items**
 - **P4-LISP: A P4-Based High-Performance Router for the Locator/Identifier Separation Protocol**
 - 10 Minutes (Cumulative Time: 50 Minutes)
 - Michael Menth
 - **LISP Multicast Overlay Group to Underlay RLOC Mappings**
 - 10 Minutes (Cumulative Time: 60 Minutes)
 - Dino Farinacci

Charter Intro text

- LISP supports an overlay routing architecture that decouples the routing locators and endpoint identifiers, thus allowing for efficient aggregation of the routing locator space and providing persistent identifiers in the endpoint space. LISP requires no changes to endpoints or routers that do not directly participate in the LISP deployment. LISP aims for an incrementally deployable protocol, so new features and services can be added easily and quickly to the network using overlays. The scope of the LISP technology is potentially applicable to have a large span. **The LISP WG is chartered to continue work on the LISP protocol, including extensions for which the working group has consensus on deeming them necessary, and produce standard-track documents.**

Charter Work Items

- **Moving to Standard Track:** The core specifications of LISP have been published as “Standard Track” ([RFC9300], [RFC9301]). The WG will continue the work of moving select specifications to “Standard Track” (e.g., **LISP Canonical Address Format** [RFC8060], **LISP Multicast** [RFC6831][RFC8378], etc).
- **Map Server Reliable Transport:** LISP control plane messages are transported over UDP, however, in some cases, the use of a reliable transport protocol is a better fit, since it actually helps reduce periodic signaling.
- **Yang Models:** The management of LISP protocol and deployments include data models, OAM, as well as allowing for programmable management interfaces.
- **LISP for Traffic Engineering:** Specifics on how to do traffic engineering on LISP deployments could be useful. For instance, encode in a mapping not only the routing locators associated to EIDs, but also an ordered set of re-encapsulating tunnel routers (RTRs) used to specify a path.
- **NAT-Traversal:** Support for NAT-traversal solution in deployments where LISP tunnel routers are separated from correspondent tunnel routers by a NAT (e.g., LISP mobile node).
- **Privacy and Security:** The WG will work on topics of EID anonymity, VPN segmentation leveraging on the Instance ID, and traffic anonymization. The reuse of existing mechanisms will be prioritized.
- **LISP External Connectivity:** [RFC6832] defines the Proxy ETR element, to be used to connect LISP sites with non-LISP sites. However, LISP deployments could benefit from more advanced internetworking, for instance by defining mechanism to discover such external connectivity.
- **Mobility:** Some LISP deployment scenarios include endpoints that move across different LISP xTRs and/or LISP xTRs that are themselves mobile, hence, support needs to be provided in order to achieve seamless connectivity.
- **LISP Applicability:** In time, LISP has proved to be a very flexible protocol that can be used in various use-cases not even considered during its design phase. [RFC7215], while remaining a good source of information, covers one single use case, which is not anymore the main LISP application scenario. The LISP WG will document LISP deployments for most recent and relevant use-cases, so as to update and complement [RFC7215] as needed.

Charter Milestones*

1. **November 2023**: Submit LISP **Name Encoding** document to the IESG for consideration
2. **March 2024**: Submit LISP **Reliable Transport** document to the IESG for consideration
3. **March 2024**: Submit LISP **Yang model** document to the IESG for consideration
4. **March 2024**: Submit LISP **Traffic Engineering** document to the IESG for consideration
5. **June 2024**: Submit LISP **Geo-Coordinates** document to the IESG for consideration
6. **November 2024**: Submit LISP **NAT Traversal** document to the IESG for consideration
7. **November 2024**: Submit **LISP DDT bis** document to the IESG for consideration
8. **November 2024**: Submit **LISP LCAF bis** document to the IESG for consideration
9. **March 2025**: Submit LISP **Privacy and Security document(s)** to the IESG for consideration
10. **March 2025**: Submit LISP **External Connectivity document(s)** to the IESG for consideration
11. **June 2025**: Submit LISP **Mobility document(s)** to the IESG for consideration
12. **November 2025**: Submit **LISP Multicast document(s)** to the IESG for consideration
13. **March 2026**: Submit LISP **Applicability document(s)** to the IESG for consideration
14. **November 2026: Wrap-Up or recharter**

* As for last mail exchange with Dino (github also updated)