Identifier Locator Addressing (ILA)-BOF
101th IETF, London, Nov 22, 2018

Chairs: Joel Halpern, Samita Chakrabarti
Responsible AD: Suresh Krishnan
IAB Shepherd: Erik Nordmark

Minute takers: ?
Jabber Scribe: ?

Online Agenda: https://datatracker.ietf.org/meeting/101/agenda/
Jabber Room: ila@jabber.ietf.org
Meetecho: http://www.meetecho.com/ietf101/ila
Note Well

Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:

• The IETF plenary session
• The IESG, or any member thereof on behalf of the IESG
• Any IETF mailing list, including the IETF list itself, any working group or design team list, or any other list functioning under IETF auspices
• Any IETF working group or portion thereof
• Any Birds of a Feather (BOF) session
• The IAB or any member thereof on behalf of the IAB
• The RFC Editor or the Internet-Drafts function

All IETF Contributions are subject to the rules of RFC 5378 and RFC 3979 (updated by RFC 4879).

Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice. Please consult RFC 5378 and RFC 3979 for details.

A participant in any IETF activity is deemed to accept all IETF rules of process, as documented in Best Current Practices RFCs and IESG Statements.

A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.
Identifier Locator Addressing (ILA) - BOF

• Date: Thursday, March 22, 2018
• Time: 18:10 – 19:10
• Room: Viscount

Description: ILA is a protocol to implement transparent network overlays without encapsulation. It addresses the need for network overlays in virtualization and mobility that are efficient, lightweight, performant, scalable, secure, provide seamless mobility, leverage and encourage use of IPv6, provide strong privacy, are interoperable with existing infrastructure, applicable to a variety of use cases, and have simplified control and management.

Identifier Locator Addressing use cases include mobile networks, datacenter virtualization, and network virtualization.

Scope: Scope of this BoF is to identify the problem and get direction on the proposed solution.

Reference: https://trac.tools.ietf.org/bof/trac/#Internet
Identifier Locator Addressing (ILA) - BOF

• Lots of work have been done in this space at IETF
  • Separation of control and data plane
  • ID and Locator separation and Address mapping
• We are NOT going to discuss previous solutions in this BOF meeting
• ILA BOF is a NON-WG forming BOF
  • The goal is to understand the problem better – i.e. why is it needed?
  • Understand the major use cases
  • The information is helpful to explore further into this space
Agenda:

1. Chairs introduction  Joel & Samita  5 min
2. Problem Statement, scope and issues  Tom Herbert  25 min
3. Use cases:
   a. 5G User Mobility Network  Kalyani Bogineni  10 min
   b. Data Center Network  Tom Herbert  10 min
4. Q&A  10 min

Total = 60 min
ILA Related drafts:

BOF Questions:

• Do people understand the problem space of ILA?
• Do people understand the intended scope of ILA?
  • Do folks understand the related issues within ILA’s scope?
• Any other issues that need to be addressed (in this scope)?
• Do folks understand the two use cases of ILA presented here?

• Next Step
  • Area Director to comment