

LISP EID Block

~~draft-ietf-lisp-block-04.txt~~

~~draft-ietf-lisp-block-05.txt~~

(Keep Alive Version)

draft-ietf-lisp-block-06.txt

IETF LC Result: More Work Needed

(slide presented @ IETF 86th)

- How will this space be managed
 - ~~Who will allocate the space?~~
 - How will be allocated?
 - What are the requirements?
- How long will the allocation last?
 - When will the experiment considered over?
- Rationale
 - More use cases would be helpful
- Size
 - (not looking like the main issue actually)

draft-iannone-eid-block-mgmt-03.txt

Where are we today?

- From ML discussion there are 2 groups
 - Yes, please allocate the block because is very useful
 - No, there is no real usefulness in this thing
 - ... then there is Darrel with “modest expectations” ;-)
- Tie Break:
 - allocate -> experiment -> decide

Rationale

- Again improved
- Current use cases:
 - Early LISP destination detection
 - Avoid penalize non-LISP traffic
 - Avoid excessive stretch
 - Traffic Engineering
 - Transition Mechanism
 - Limit the impact on BGP routing infrastructure
- More are welcome!!!

3 + 3 Allocation Plan

- Allocate the Block by January 2014
- Duration: 3 Years
- By end 2017 IETF provide decision on:
 - Either return the block to free pool
 - or make allocation permanent
 - might have different size
 - All temporary allocations must expire by end 2017
- If allocation becoming permanent:
 - By end 2020 IETF to decide:
 - Final size
 - Transition plan

More on permanent allocation

- J. Curran suggesting to bring some text from
 - draft-iannone-eid-block-mgmt-03.txt

“The transition of the EID block into a permanent allocation has the potential to pose policy issues (as recognized in RFC 2860, section 4.3) and hence discussion with the IANA, the RIR communities, and the IETF community will be necessary to determine appropriate policy for permanent EID prefix allocation and management.”

– Note: This will happen between 2017 and 2020

Size (slide presented @ IETF 86th)

- Recap:
 - Asking /16 and reserve for future use the /12 covering it
 - Opinions on keeping this size?
- **Update:**
 - **Discussion on ML started on 30th Oct 2013**
 - **Seems to converge toward /32**

- Moving forward toward Last Call?
 - Provided:
 - Reduction in EID Block Size!
 - 3 + 3 Allocation Plan is OK
 - Note: EID Block management discussed separately