Overview

- We can encode a “distinguished-name” in an EID-record or RLOC-record with AFI encoding
- Use AFI=17 and null terminate ASCII string
  - More compact encoding and more general purpose than LCAFs
- Provides for self-documenting mapping database records
- Provides for multi-stage lookups and groupings
- Supported by LISP-DDT with no changes
  - Lookup for /root/dino/slides/bangkok
  - Matches /root/dino at DDT-root’s children
  - Where /root/dino/slides/bangkok are registered to Map-Server
- Supported by LISP-Decent with no changes
  - Map-Request lookups are exact match typically
**Example**

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**lispers.net**

*Scalable Open Overlay Networking*

**Site name:** lispers.net. **EID-prefix:** [1] 'g-xtr1', **registered:** yes, **dynamic**

**Description:**
- **Last registerer:** [0] 104.155.143.86, **xTR-ID:** 0xcd098572b0b0cbf3, **site-ID:** 0
- **First registered:** 23:38:43, **last registered:** 0:00:31, **auth-type:** sha2, **registration flags:** p-s-I-t-r-m-n
- **Default registration timeout TTL:** 180 seconds
- **Forcing proxy Map-Reply:** yes
- **Forcing proxy Map-Reply for xTRs behind NATs:** yes
- **Send drop-action proxy Map-Reply to PITR:** no
- **Proxy Map-Reply action:** not configured
- **Allowed RLOC-set:** any

**Registered RLOC-set (replacement-semantics):**
- [0] 104.155.143.86, **state:** up-state, up/uw/mp/mw: 0/0/255/0, **rloc-name:** "xtr1"
- [0] 10.240.106.249, **state:** up-state, up/uw/mp/mw: 254/0/255/0, RTR
- [0] 130.211.169.66, **state:** up-state, up/uw/mp/mw: 254/0/255/0, RTR

**Individual registrations:** none

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*Tue Jun 28 20:10:25 UTC 2016 - Uptime 23:40:47, Version 0.333*

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Features/Bugs go to support@lispers.net
Changes to -11

- Describe how lengths are encoded in control message encoding
- Added Use-Case section, references:
  - draft-ietf-lisp-ecdsa-auth
  - draft-farinacci-lisp-geo
  - draft-farinacci-lisp-simple-nat
- Added Name Collision Considerations section, references:
  - draft-ietf-lisp-rfc6833bis
Draft Status

LISP Distinguished Name Encoding
draft-farinacci-lisp-name-encoding-11

Status | IESG evaluation record | IESG writeups | Email expansions | History

Versions: 00 01 02 03 04 05 06 07 08 09 10 11

draft-farinacci-lisp-name-encoding 00 02 03 04 05 06 07 08 09 10 11

started

now
Progress Slow

why?

there is utility
there has been some support
there has been commentary
there has been no strong objections
How to Move Forward

Third attempt to request WG to accept Draft

Questions/Reactions/Tomatoes?