LISP Transport for Policy Distribution

draft-kowal-lisp-policy-distribution-00

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Motivation

Internet edge

Provider A

LISP Service Provider

Provider B

Customer 1

Customer n

Provider A

Provider B

Site 1

Site n

Central DC

WAN

PxT

MS/MR

IT R

IT R
Encoding

- **EID**
  - Use Distinguished Name encoding
  - Shared name between xTR and mapping system request policies
  - Example: "policy-ce-rtr01"

- **RLOC: JSON**
  - Use JSON LCAF (type 14)

```json
{
  "shape": {
    "interface": "ethernet1",
    "direction": "outbound",
    "value": 200Mbps
  }
}
```
Packet Flow description

Map-request
(N-bit set)
EID: policy-rtr01

rtr01

Mapping-Database
policy-rtr01-> {shape:{iface:eth1, rate:200Mbps}}
policy-rtr02-> {shape:{iface:eth1, rate:200Mbps}}

rtr02

Map-Notify
EID: policy-rtr01
RLOC: policy JSON
Packet Flow description

Mapping-Database
policy-rtr01-> {shape:{iface:eth1, rate:100Mbps}}
policy-rtr02-> {shape:{iface:eth1, rate:200Mbps}}

Map-Notify
EID: policy-rtr01
RLOC: updated policy JSON
Next Steps

- WG accept lisp-name-encoding
- Looking for feedback and comments