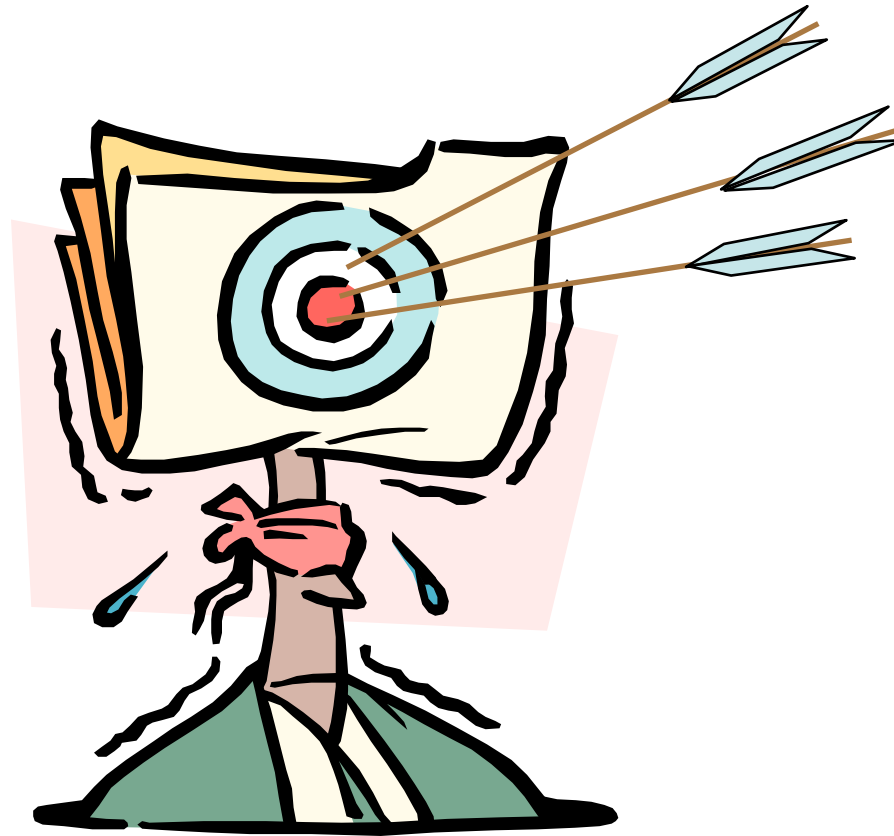# draft-polk-geopriv-dhcp-lbyr-uri-option-01

IETF69 – Chicago

James Polk

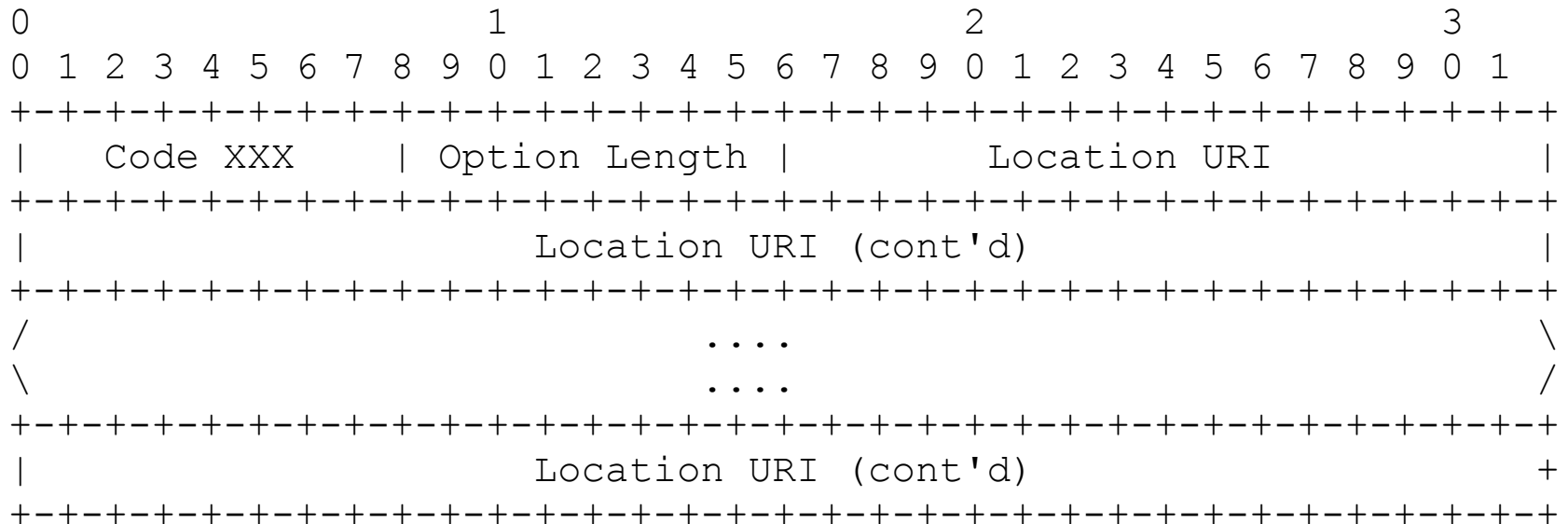# ... this idea has to be shot!!

...obviously this is all in jest (well... sorta)

The Requirement

- The WG in Prague agreed to create a non-L7 (DHCP/LLDP-MED specifically) solution to provide an endpoint with an appropriate LbyR URI for that endpoint.

- This doc creates the DHCP Option to deliver an LbyR URI to a client do with it as it sees fit
  - either dereference it's location or
  - hand out to other entities to learn this client's location (which is now the Target)

The Proposal

- To create a new (simple) DHCP Option for delivery of a LbyR URI

```
 0                   1                   2                   3
 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
|    Code XXX     | Option Length  |        Location URI          |
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
|                     Location URI (cont'd)                      |
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
/                            ....                                \
\                            ....                                /
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
|                     Location URI (cont'd)                     +
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
```

Known Open Issue

- Some have said this doc MUST define a complete architecture if it is to move forward
  - RFC 3825 doesn't
  - RFC 4776 doesn't
    - So this request is new relative to how this WG operated in the past
- No others have been mentioned

Next Steps

- The WG hummed for this solution (space) to be addressed
  - Does this doc meet that WG request?

  - If so, I ask this become a WG doc to progress

  - Obviously will incorporate consensus reaching suggestions into doc