

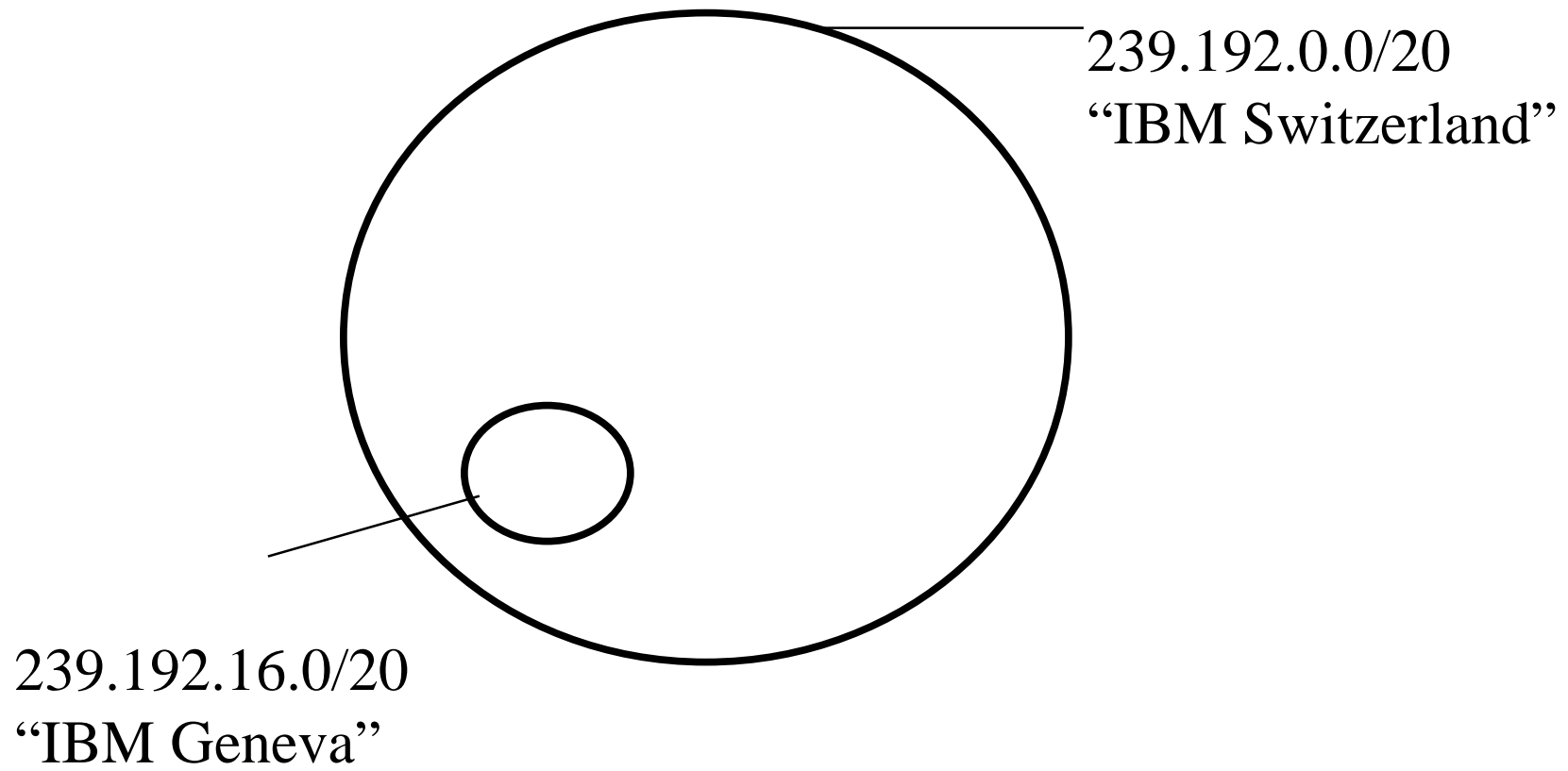
# Language Tags in malloc

Steve Hanna

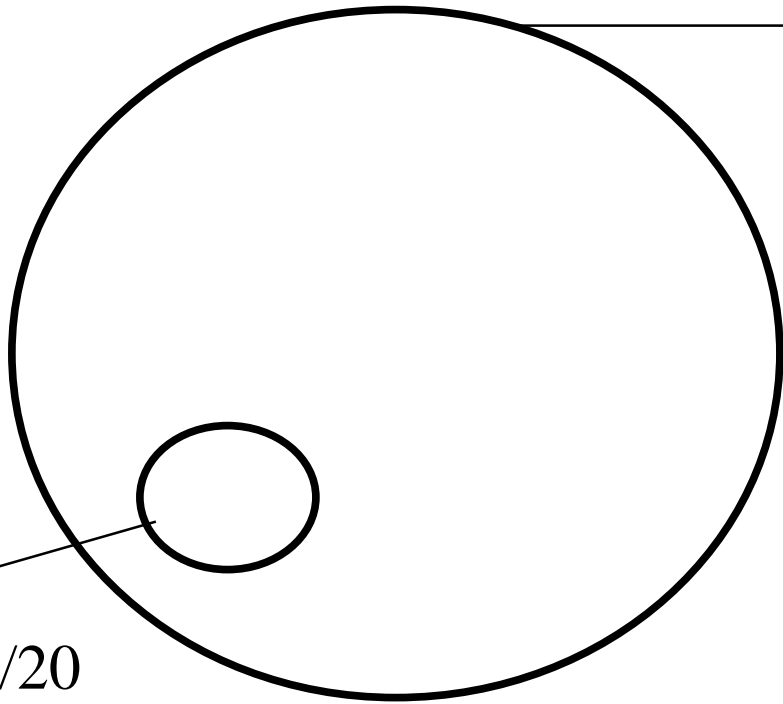
[steve.hanna@sun.com](mailto:steve.hanna@sun.com)

# Problem

- Make zone names work in a multilingual environment



- Problem:
  - Users speak different languages
- Solution:
  - Apply RFC 1766 language tags to zone names
  - Allow more than one name per zone
- This meets requirements of RFC 2277, which says we must address this.



239.192.0.0/20

“en”, “IBM Switzerland”

“fr”, “IBM Suisse”

239.192.16.0/20

“en”, “IBM Geneva”

“fr”, “IBM Genève”

# Implications, part 1

- MZAP
  - Add language tag to zone name
  - Allow multiple zone names
  - Add default flag
  - Conflict in names is detected
- MASC & AAP
  - No effect

# Implications, part 2

- MDHCP
  - Allow host to specify preferred language in MDHCPINFORM
  - Return best match for each zone
  - For multilingual hosts, specify no preferred language and return all zone names

# Implications, part 3

- Abstract API
  - Scope data type contains all zone names for each zone
  - `get_scope_name` returns best match for a specified language tag and Scope
- All affected drafts have been updated



Comments?