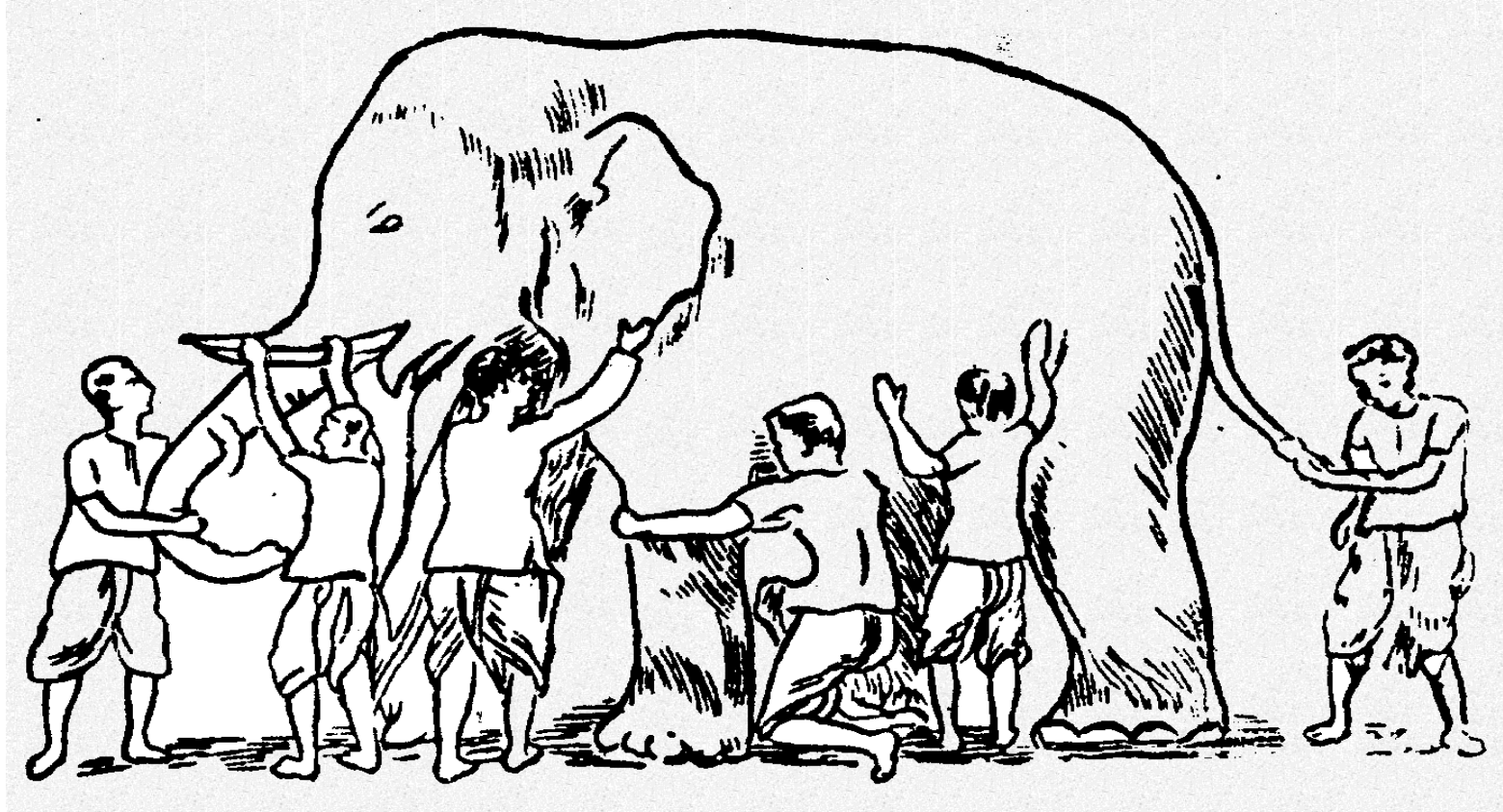


Special Names issues

Principle and Practice

DNSOP, IETF 89

Problem Summary



What's the problem? (one view)

1. The DNS namespace is so simple, ubiquitous, and well-integrated into the internet that people like to use it as naming infrastructure in multiple scopes and for multiple protocols.
2. Having multiple processes for deciding what names work in one namespace can hurt.
3. We have at least three.

What we're doing

1. Overview

- a. RFC 6761, current requests
- b. reset?

2. Presentations

- a. draft-ogud-appsawg-multiple-namespaces
- b. draft-wkumari-dnsop-alt-tld

3. Discussion

- a. high-level (we hope)
- b. operational

What we're not doing

1. Specifics of current requests

- a. ...because we're trying to figure out if it's worth trying to avoid future one-offs as part of providing advice on these, so
- b. ...except as relevant to trying to get the big picture right

2. Taking formal action (most likely)

What we're not doing (2)

1. Making special names a political issue
 - a. In the IETF, we care about interoperability
 - b. In DNSOP, we care about operations
2. Fighting over history
 - a. There are many views of how we got where we are
 - b. We care about describing the above from where we are now

Overview

1. RFC 6761 and the special names registry
2. Requests for names under RFC 6761
 - a. representing several use cases
 - b. IESG action; they've asked for advice
3. Drafts suggesting improvements
 - a. avoiding one-offs
 - b. ALT TLD “once and for all”
 - c. Multiple namespace support

Discussion: Some Framing Questions

- Is there some help we can offer?
 - Avoid collisions/incompatibility in the namespace?
 - Manage complexity for administrators and operators?
 - Make DNS-like namespace more useful for change/innovation?
- How?
 - Update/clarify RFC 6761?
 - Get radical?