Intro: Is There A Role for Internet Standards in Managing Name Collisions?

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Background

- Just spent the week at IETF, where these things are viewed with a fairly distinctive lens
  - Interoperability
  - Operations
- Name collisions as emergent property of underlying technology and operational practice
- Can we do anything now that might help this problem in future new gTLD rounds or technology changes

There Might Be a Problem

- 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.

- There's a global, centrally managed root zone, but also no way in the protocol to prevent people from using names in other ways.

- Name collisions follow when people use DNS names but not exclusively the DNS root zone

Current Processes

- Root zone has a well-defined authority
  - Available everywhere (modulo local policy)
  - Change processes public and documented
- Reserved names
  - Protocol machinery
  - As old as the internet
- Local policy
  - Protocol compliant
  - Permissionless

Where do we go from here?

We have some ideas, and perhaps so will you....