

# AS112 IPv4 Cull

“Bring out your dead!”

Syncing with RFC 6303's Registry

Wfms NRC, 2011-07-26

# What is a Cull?

- It means to select a certain group from the rest
- In the AS112 context, this draft proposes to synchronise with RFC (6303), or get the rest of what's missing from RFC 6304
- It doesn't propose to become RFC6304bis
- Owes a lot to the format presented in draft-michaelson-as112-ipv6

# Proposed delegations

- `0.in-addr.arpa` (IPv4 "This" Network)
- `127.in-addr.arpa` (IPv4 Loop-Back Network)
- `2.0.192.in-addr.arpa` (IPv4 Test Net 1)
- `100.51.198.in-addr.arpa` (IPv4 Test Net 2)
- `113.0.203.in-addr.arpa` (IPv4 Test Net 3)
- `255.255.255.255.in-addr.arpa` (IPv4 Broadcast)

# Pre-RFC6304bis Chat

- The RFC for AS112 ops is just a few weeks old
- But draft-michaelson-as112-ipv6 was submitted at Prague IETF and now so has this one.
- Need a proper mechanism defined to delegate new zones whenever the RFC 6303 registry gets updated – or how it is updated
- Beyond the scope of the current draft, but perhaps a merger of the two and specifying a procedure for AS112 operators to follow the registry in RFC 6303 is in order?
  - Call that one RFC 6304bis?
  - Or a separate Informational RFC altogether

# Control Mechanism for AS112

- The RFC 6304 doesn't specify how new delegations work, it just captures how to create and maintain a node.
  - New delegations may create lame servers
- One suggestion has been to use DNAME to do the delegation work.
- There are some questions though, for example:
  - Would the DNAME mechanism create more load on the root servers or not?
- Guidance from those who have used DNAME would be helpful.

End