RIPE ncc

F I N

- Check out a zone before you send it in
  ... will prevent delays
- For individual networks, check whom to send it to
- We're willing to help!

RIPE ncc

ns.ripe.net as secondary

- Always OK to run a secondary for a TLD, or a C-block (x.193.IN-ADDR.ARPA.)
- Specialities on request

RIPE ncc

Common problems in secondary nameservers (2)

- Secondary synchronisation problems

  Please check if the secondaries are able to obtain updated zones (router access-files!)

- All nameservers on the same ethernet cable

```
NS      ns1.zot.org. [193.0.0.1]
NS      ns2.zot.org. [193.0.0.2]
```

RIPE ncc

Common problems in secondary nameservers (1)

- Not all secondaries operational (yet)
  Try to prevent lame delegations!

- Unreachable nameservers
  Cause delays and confusion!

RIPE ncc

Common problems in primary nameservers (3)

- Stuff in a zone which should not belong here

```
$ORIGIN  0.0.193.IN_ADDR.ARPA.
1        PTR     foo.zot.org.
foo      A       193.0.0.1
```

RIPE ncc

Common problems in primary nameservers (2)

- Source of a zone (as listed in SOA RR), not listed as NS RR

```
$ORIGIN  0.0.193.IN-ADDR.ARPA.
@        SOA     ns.zot.org. root.zot.org.
         NS      host.mars.net.
         NS      ns.isp.net.
```

- More/less nameserver listed as applied for

  zone itself, parent zone and ripe-105 object must be consistent.

Common problems in primary nameservers (1)

- Primary nameserver must be up
- SOA timing parameters should be RFC1537 compliant
  - Realize what happens in case of a major failure...
- trailing.dots.ripe.net. problems...

```
$ORIGIN  0.0.193.IN-ADDR.ARPA.
;See the difference...
1        PTR     foo.zot.org
2        PTR     bar.zot.org.
```

RIPE ncc

Common errors in IN_ADDR.ARPA reverse delegations

- Reverse delegations of RIPE-blocks [193-4.x.x.x] are done via the RIPE NCC
- Other blocks are handled by the Internic
- RIPE- procedures are described in RIPE-105

- We see lots of errors here
  ... especially for individual entries!