

Unbound and 5011

ventures in the unknown

Jaap Akkerhuis

Adding Features

- An Internet Draft is started
 - Specifications are unstable
 - Early version as compile time option
- “48 hours” — Feature becomes runtime option
- Standard RFC
 - Default setting

5011 in unbound

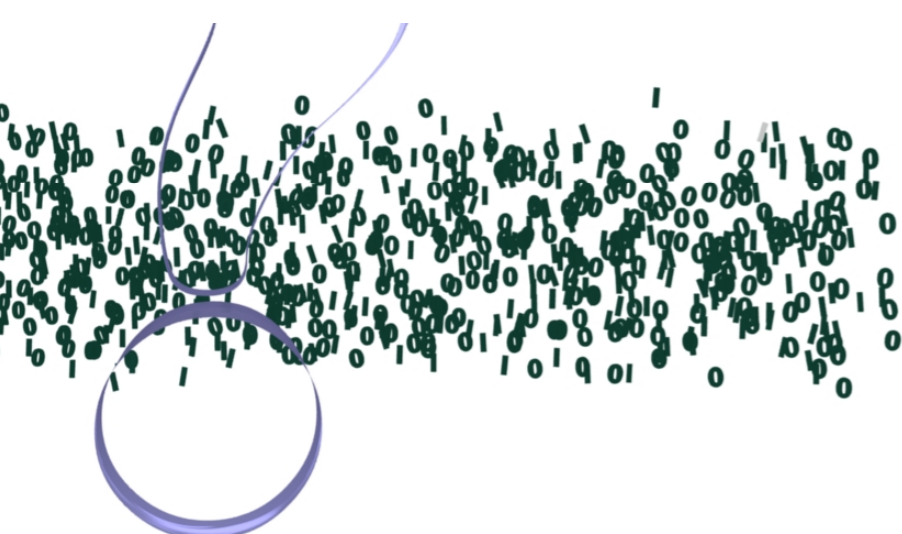
- First a separate program
- Incorporated in Unbound 1.4.0 in 2009-11-29
- Uni test framework developed
 - Resulted into a DNS test harness (Deckard) buy nic.cz
 - <https://github.com/CZ-NIC/deckard> for details
- Incremental changes (bug fixes)
 - Nothing essential changed

Accelerated testbeds

- Rick-roll by Rick Lamb
 - <https://icksk.dnssek.info/fauxroot.html>
- Keyroller by Warren Kumari
 - <http://204.42.252.20>
- Needed changes to code to use these testbeds
- Due to timing missed a corner case
 - Starting to do DNSSEC within the 30 day waiting period
 - And doing 5011 at the same

Fixing the 30 day Problem

- Version 1.6.7 relaxes (in that case) the protocol
- Older versions
 - in case this situation occurs, throw away the old KSK
 - Restart the server



Questions?