



# DNS Hackathon 2025 Report Denesh Bhabuta

RIPE 90 :: May 2025 :: Lisbon, PT

Actively seeking opportunities; Available immediately; Ready to contribute :: mail@denesh.uk

### gratitude :: hosts









Vesna Manojlovic Johanna Eriksson

Denesh Bhabuta

## gratitude :: host helpers



Jerry Lundström Mattias Ahnberg

## gratitude:: programme committee



Arife Vural-Butcher

> Lars-Johan Liman

> > Samaneh Tajalizadehkhoob

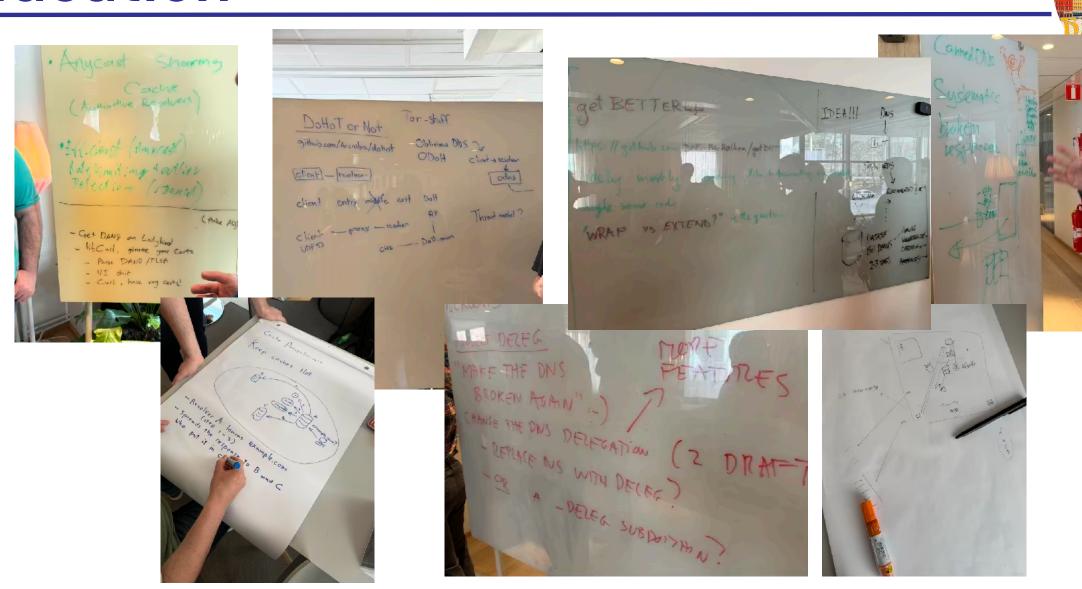
## gratitude :: collaborative group



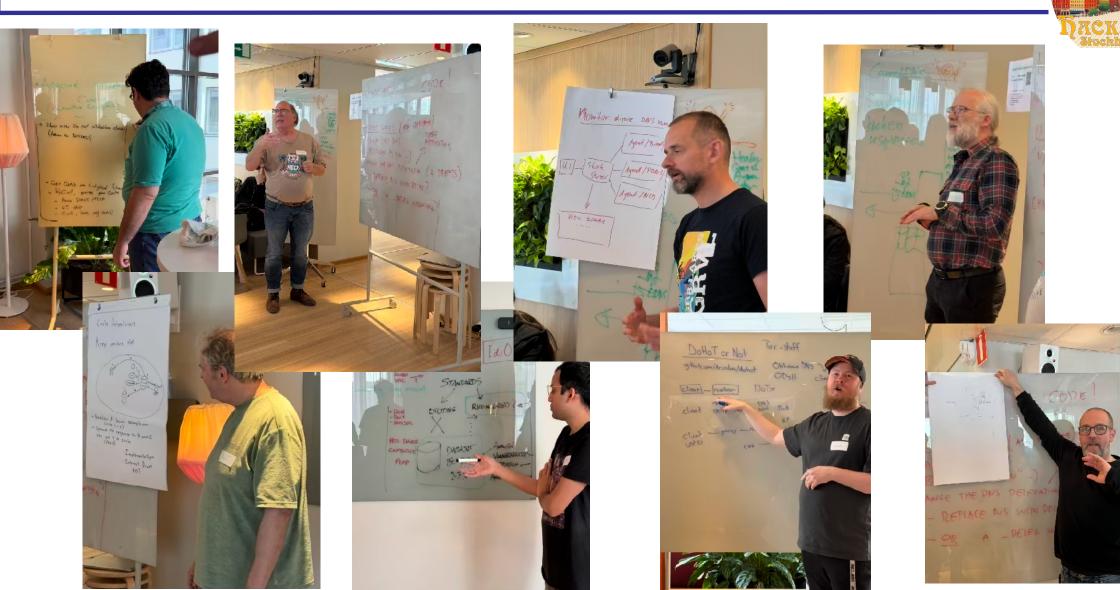




#### ideation



## persuasion



## association





#### **Babies**





#### Baby was delivered

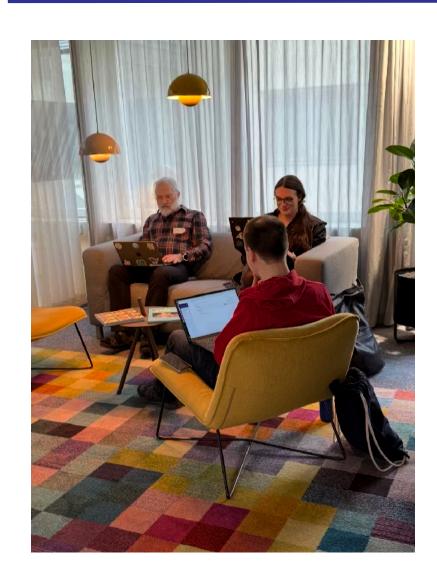
NSD authoritative server integrated with Stork

#### **Future**

Integrate Knot DNS & DSC

#### **Canned DNS**





Created a nameserver with Canned DNS responses

Written in Go

Used Miek Gieben's DNS library

Since: used as authoritative server

#### **DoHoT or Donion**





DNS-over-HTTPS-over-Tor

Latency problem over Tor

Measured different approaches

#### idIOT





IoT devices are idiots

Major issues in DNS for IoT

Insights and DNS recommendations

#### **LHB**





Lookup Hostname Best-practice

DNS delivers more than just addresses

Make getaddrinfo() better or use a workaround

#### Poisonlicious





Proof of concept for an efficient DNS resolver in Unbound

 authoritative response sharing between co-operating resolvers

Drafted IETF RFC

<u>I-D.bortzmeyer-dnsop-poisonlicious</u>

#### resviz





Visualising what a resolver is doing when looking up a domain name

More interactive than a whiteboard, perhaps more pedagogical

#### commendation



#### Most complete project

**Canned DNS** 

#### **Funniest project name**

idIOT

Project with self appointed trouble-maker

**Babies** 

#### cooperation... collaboration





https://github.com/DNS-Hackathon