IETF Hackathon
DNS protocol evolution

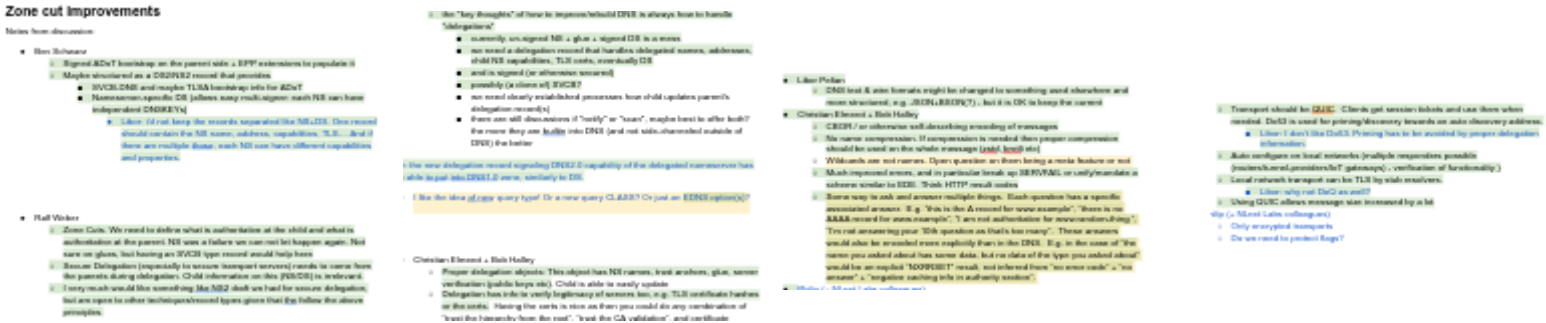
IETF 118

4–5 November 2023

Prague, Czech Republic

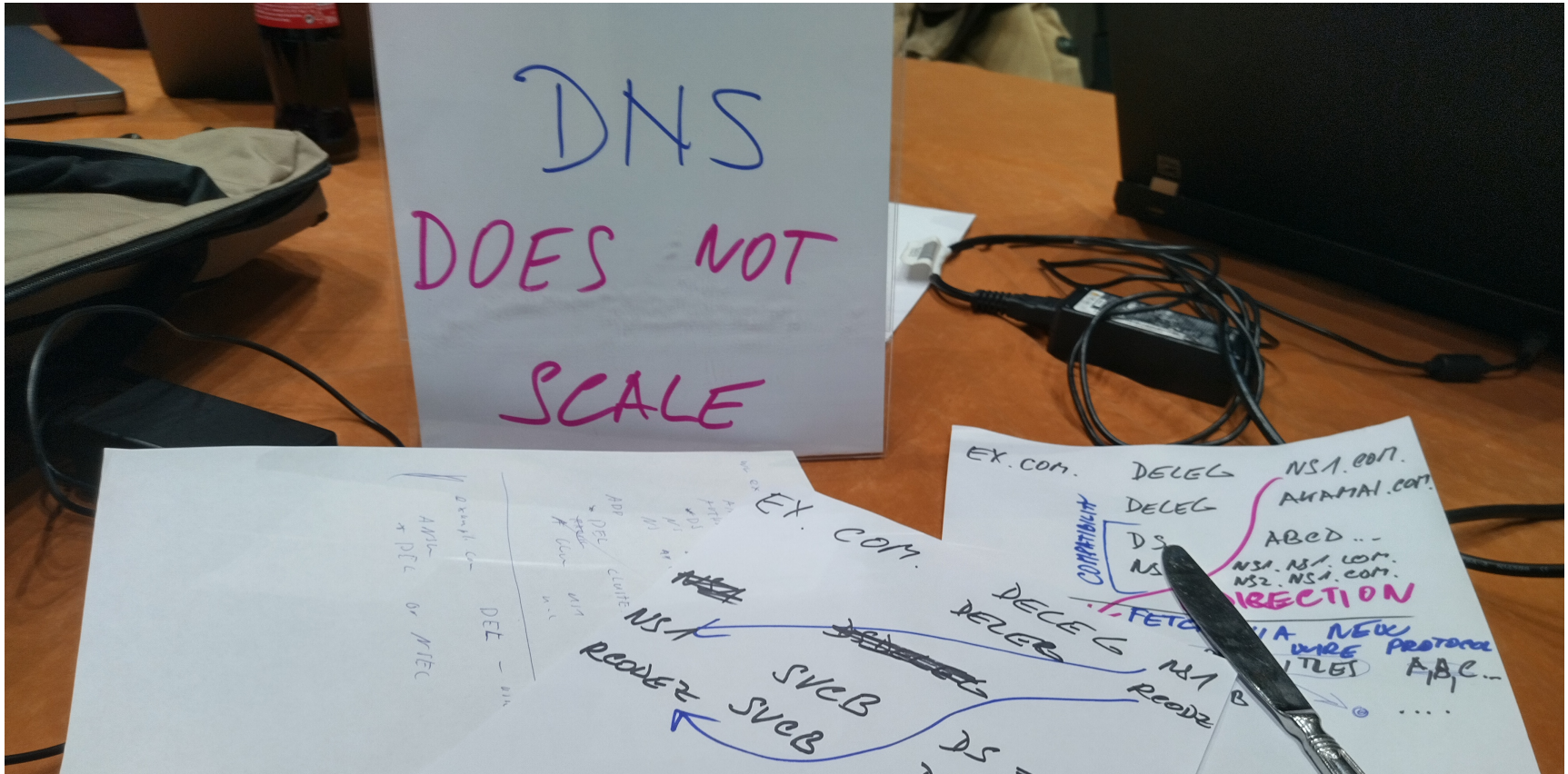
Hackathon Plan

- Solve assorted DNS protocol problems!
- Get smart people together … and … discuss!



- 6 pages of problems

What got done



What got done

- RESINFO implementation for BIND
- NOTIFY for CDS/CDNSKEY scans
- "Mechanism for Diversion"
  from Legacy DNS to a New DNS Protocol
  - Protocol proposal … on a napkin – work-in-progress
  - Extension to DNS delegation mechanism
- example.com. NS nameserver.example.net.
- **example.com. DELEG configset1.example.net.**
- **configset1.example.net. SVCB … parameters here ...**

What we learned

- We can't evolve protocol without extending **parent side** of DNS zone cut
- Backwards-compatible evolution is possible if we extend the DNS delegation

Wrap Up

Team members:
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