

RIPE DNS Resolver Recommendations versus The World

RIPE 88
Krakow, Poland
22 May 2024

01

Welcome &
Introduction



03

Lots o' Discusson



02


Who's Who



Who is Who?

- Shane Kerr,
IBM (NS1)
- Babak Farrokhi,
Quad9
- Dave Knight,
Vercara (UltraDNS)





Multiple Implementations?



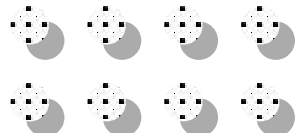
Infrastructure: Cloud vs. Metal



High Availability

ECS

- EDNS Client Subnet
- Conveys information about client to authority servers



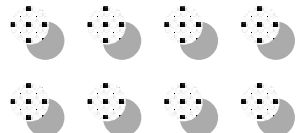


RPKI?



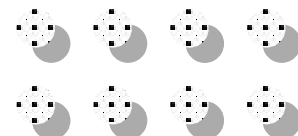
NTA

- Negative Trust Anchor
- Works around broken authoritative DNSSEC



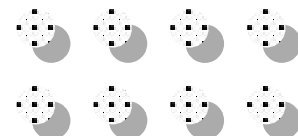
DoT/DoH/DoQ

- Encrypted transport
- DoT = TLS
- DoH = HTTPS
- DoQ = QUIC



NSID

- Name Server ID
- Uniquely identify each server





Local Root





C is for Cookie





DNS Extended Errors





Separate IPs, Block Lists



Privacy & Transparency

Thank you!

