

# DS Automation

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# Recap: CDS & CDNSKEY Support in TLDs

- Selected set of ccTLDs so far
- No movement in the gTLD space yet

# CDS & CDNSKEY Support in ccTLDs

- CA – Canada/CIRA (spoke at ICANN54/2015)
- SE – Sweden (talk by Ulrich Wisser)
- ZA – South Africa (talk by Mark Elkins)
- CZ – Czechia / CZ.NIC
  - June 2017 start: daily scanning of CDS/CDNSKEY; hold 7 days; notification
  - Moving to: multi-vantage point monitoring (reduce 7d hold down)
- CH & LI – Switzerland & Lichtenstein / SWITCH
  - Daily scanner; CDS only; 3 locations; 3d hold down; registrar notification through EPP change poll (RFC 8590); status website instead of email notifications
  - Adoption: 650 CDS in 2018 to 13K in 2020

# CDS & CDNSKEY at Registrars?

- Brian Dickson of GoDaddy will be speaking on this topic

# DNS Software Support

- Almost all major Open Source support CDS/CDNSKEY publication
  - ISC BIND
  - CZ.NIC Knot DNS
  - NLNetLabs NSD
  - PowerDNS
- Enhancement areas
  - Automation tools

# Managed DNS Provider Support

- Neustar – may support & auto publish CDS/CDNSKEY if customer demand
- NS1 – may support & auto publish CDS/CDNSKEY if customer demand
- GoDaddy – [see Brian's talk]
- Others?
  - Oracle/Dyn
  - Cloudflare
  - Akamai
  - [Others?]