

# DNS security Issues within ICANN's remit

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This is not just about technology

- Commercial aspects
- Human behaviour

## DNS Security issues

- Technological issues with DNSSec
  - What do we do until the root gets signed ?
    - ITAR, DLV ?
  - DNS response rewriting
    - Systems that rewrite DNS answers may fail with DNSSec
- In transit modifications: like wildcards in the TLDs (Sitefinder)

## DNS Security (cont)

- Political issues with DNSSec
  - Who signs the root ? One signer, multiple ones ?
  - To whom are they accountable and how ?
- Censorship
  - How do we prevent some abusing their authority to hijack the DNS ?
- Whois can also be a security issue, if it exposes identity of vulnerable people

## DNS Security

- Commercial issues with DNSSec
  - Deploying and maintaining a DNSSec infrastructure does have a cost
    - For registries, registrars, DNS service providers (ISPs, etc)
    - Not a one-off, but recurring cost
  - Will this cost be passed on to registrants and if so, how ?

## Registration-level security

- Domain Name Hijacking
- Domain transfer pitfalls
- Erroneous delete
- Typo-squatting
- Fast Flux



Thank you

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