RDAP in CZ

Registration Operations Workshop #8

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Software

- https://github.com/CZ-NIC/fred-rdap
- Distributed as part of open source registry Fred – https://fred.nic.cz
- Web application - Python 3, Django 2.x
- Getting data from backend using Corba interface – soon to be replaced with gRPC
  - Can be integrated with any source of data
Features

- Supported queries – domain, entity, nameserver, fred_keyset, fred_nsset
  - Our extensions registered in IANA extension registry
- No search
- Sample: https://rdap.nic.cz/domain/nic.cz
Deployments

- CZ since 2016
  - first TLD in IANA bootstrap registry
- Other countries using FRED slowly follow
  - .AR, .CR, .TZ already in the bootstrap registry
Issues

- Unclear when response should be 404 or 400
- Weird specification of exdate (domain delete)
- Registrars as entities – collision with contacts
- Issues with redacted output – “fn” mandatory in jCard specification
Thank You

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