



# RRDG „Data Sharing“

## Current state of Specification

2019-10-09 · Alexander Mayrhofer · Head of R&D

# Agenda

- Recap
- Spec walk-through
- Open issues
- Discussion / Further steps

# Recap

- RRDG „Data Sharing“ sub-group founded ~Feb 2019
- Meetings/Calls on 2019-02-04, 2019-02-19, 2019-05-03
- „Sub-sub-groups“:
  - Ashley & Neal to draft „Data Format“ reqs/specs
  - Alex & John to draft „Transport“ reqs/specs
- Meanwhile: Registration Metrics (take 1) finished
- Created draft specification based on input

# Spec basics

- Per-Registrar data
  - Daily and monthly data
  - Data fields aligned to „Registration Metrics“ specification
- Data Format is CSV
  - Other (future) formats not excluded
- Transport is HTTPS
  - Data ranges by query parameters
  - Authenticated, methods tbd.
- See <https://github.com/alex-nicat/rrdg-data-sharing>

# Data Fields

- Timing
  - start, end: Per-row period range
- „Gauges“ – Domains under Management
  - registered, delegated, registry\_suspended, pending\_release, dnssec\_enabled, locked, idn
- „Counts“ – Transactions / Events
  - create, drop\_catch, renew, expiry, delete, restore, release, registrar\_transfer\_in, registrar\_transfer\_out, registrant\_transfer

Aligns with

<https://rrdg.centri.org/projects/standards/registration-metrics/>

# Transport

- HTTPS
  - GET and HEAD
  - „download“, Filename „metrics-<tld>-<type>-<start>-<end>.csv“
- URL
  - https://<host>/<prefix>/v1/
- Query Parameters
  - type: „monthly“, „daily“
  - Start: Beginning of reporting period, eg. „2019-01-01“
  - End: End of reporting period, eg. „2019-09-30“

# Issues

- Licence? (As open as reasonable..!)
- Reporting Periods: Local times vs UTC
- Restrict format for date/time (ISO8601 subset?)
- BOM? Do we need it? Does it help in Excel-imports?
- Should files include „incomplete“ periods if requested?
- File name to include registrar/client info?
- Monthly / daily: Query parameter, or seperate URL?
- Authentication: More specific methods?
- „Custom fields“: Allow in specs?
- Consider option to publish „registry totals“?
- See <https://github.com/alex-nicat/rrdg-data-sharing/issues>

# Further Steps

- Discussion & Feedback
- Solve open issues
- Publish final Specs
- Implement!
  - Producing side (Registries)
  - Consuming side (Registrars)





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