

# RESTful Provisioning Protocol

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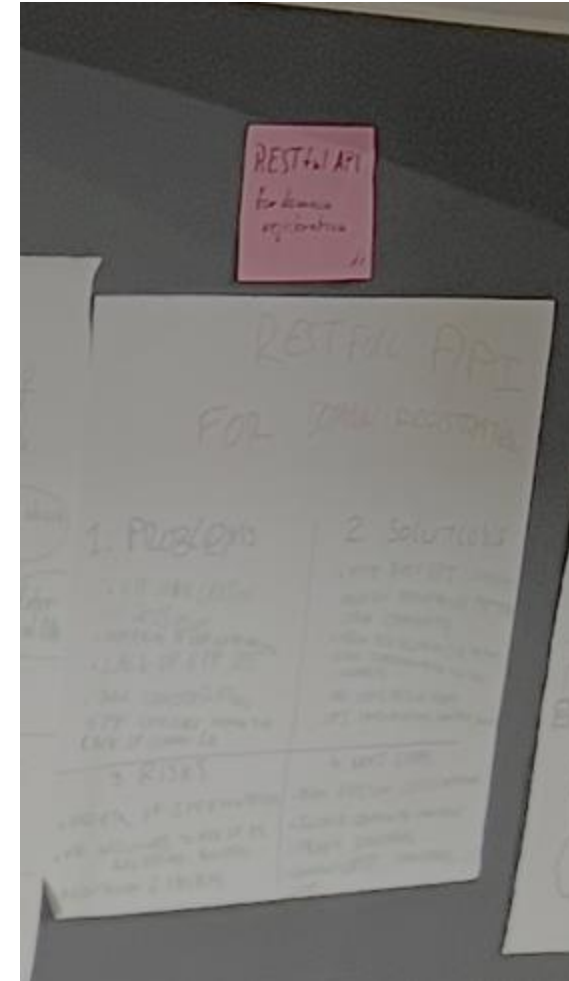
CENTR R&D + Tech

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# How it started

- CENTR R&D/Tech 2023
- RESTful API for domain provisioning was discussed
- Old draft from 2012 from Maarten was found



# What is RESTful Provisioning Protocol (RPP)

- Name has changed to RPP, to signal it's not EPP
- Goals:
  - Scalability
  - Performance
  - Usability
  - Security
  - Avoid fragmentation
  - Use of standard web technologies, tools and solutions
  - JSON support

# Activities so far

- **IETF 118 Prague (Nov 2023)**
  - First draft presented to the REGEXT WG
  - The work is useful and important
  - There should be a split between RESTful EPP with XML representation and then evolution to JSON
- **IETF 119 Brisbane (Mar 2024)**
  - There is support but also a concern that proposal is not RFC5730 compliant
  - The way forward with regard to charter of REGEXT is not clear

# Activities so far

- **IETF 120 Vancouver (Jul 2024)**
  - Worked on OpenAPI spec (Hackathon) and approach to put EPP payloads in RESTful API, then map to JSON
    - can't do a good RESTful API without changes to EPP schema
    - ... which is considered not to be EPP anymore
    - ... compatibility with EPP data model should be a goal, but being strictly bound to all of EPP specifications would be too much of limiting factor
  - The consensus that it would better fit in a new wg
  - Decided to organize a wg forming BoF at IETF 121

# Current Status

- Working on a draft charter for the new wg
- Created a mailinglist [rpp@ietf.org](mailto:rpp@ietf.org)
  - <https://mailarchive.ietf.org/arch/browse/rpp/>
- Github repository:
  - Working Group charter:  
<https://github.com/SIDN/ietf-wg-rpp-charter>



# We need your help

- We need more input/feedback from other ccTLD registries
- Please consider to:
  - Send a message/sign in to the mailinglist ([rpp@ietf.org](mailto:rpp@ietf.org))
  - Join discussion on the issues in GitHub / issue pull requests with proposals
  - Join the BoF @IETF121 in Dublin or online
  - Talk to me or Pawel about what you can do

It is vital for more registries to let the IETF community know:

- Interest in this work
- Existing similar registry APIs.



# Next steps

- IETF 121 Hackathon (2-3.11.2024)
- BoF session during IETF 121 Dublin (Wed 6.11.2024 10:30-12:30 CET)
  - establish consensus around the charter
  - see the support from the IETF community
  - if all clear IETF will start the working group
- First deliverables of the (to be) working group:
  - requirements document
  - architecture



# Thank you

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