

# Hackathon – RPP

IETF 122

Maarten Wullink, SIDN

Pawel Kowalik, DENIC

Christian Simmen, DENIC

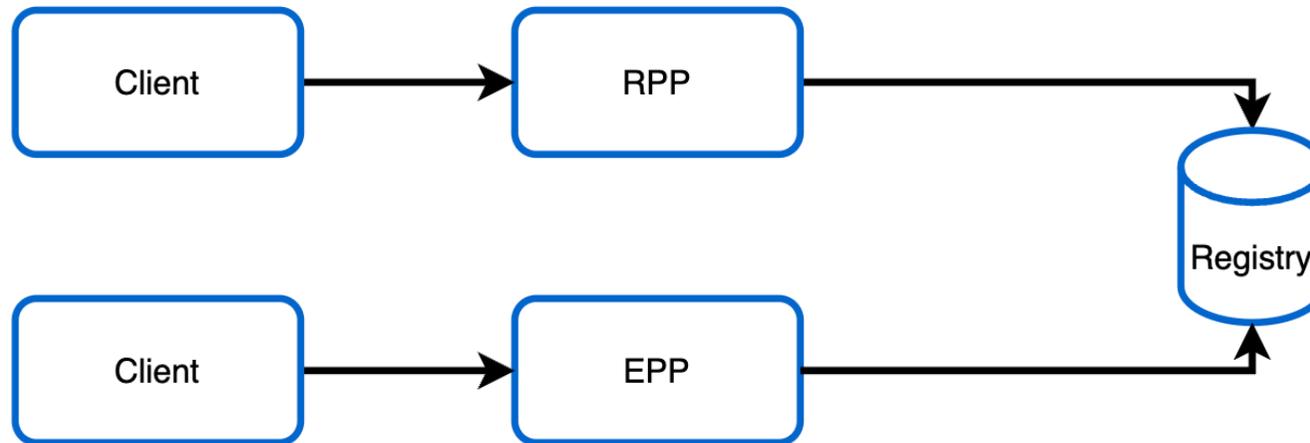
Vincent Levigneron, AFNIC



# Goals

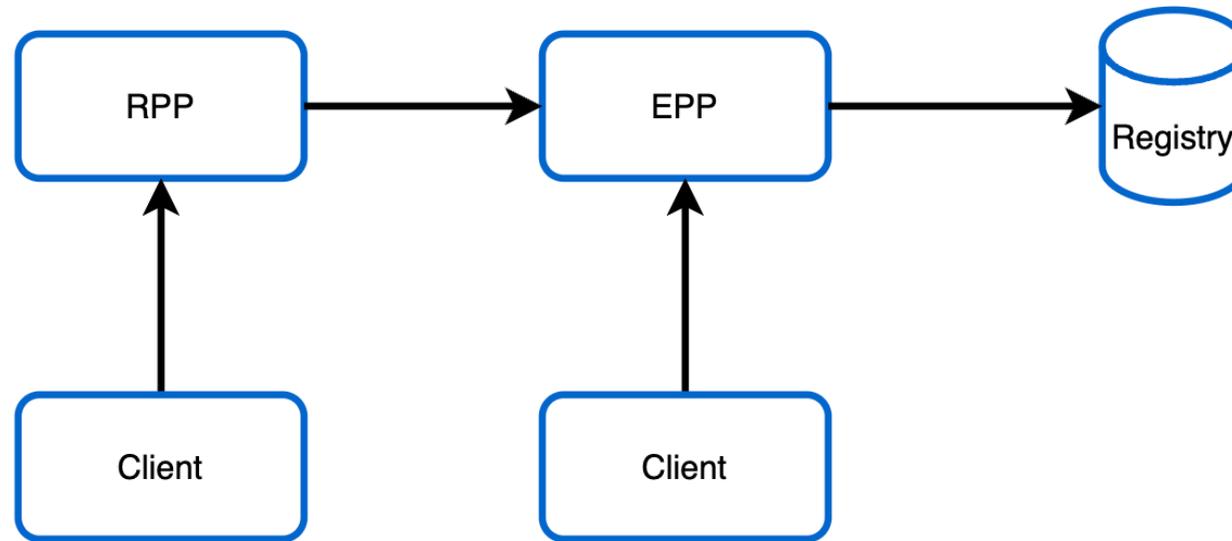
- Learning;
  - API development best practices
  - Hands-on development experience (TypeSpec, OpenAPI)
- Discussion;
  - Deployment scenarios
  - New use cases for RPP (Alternative auth token)

# Deployment - Parallel



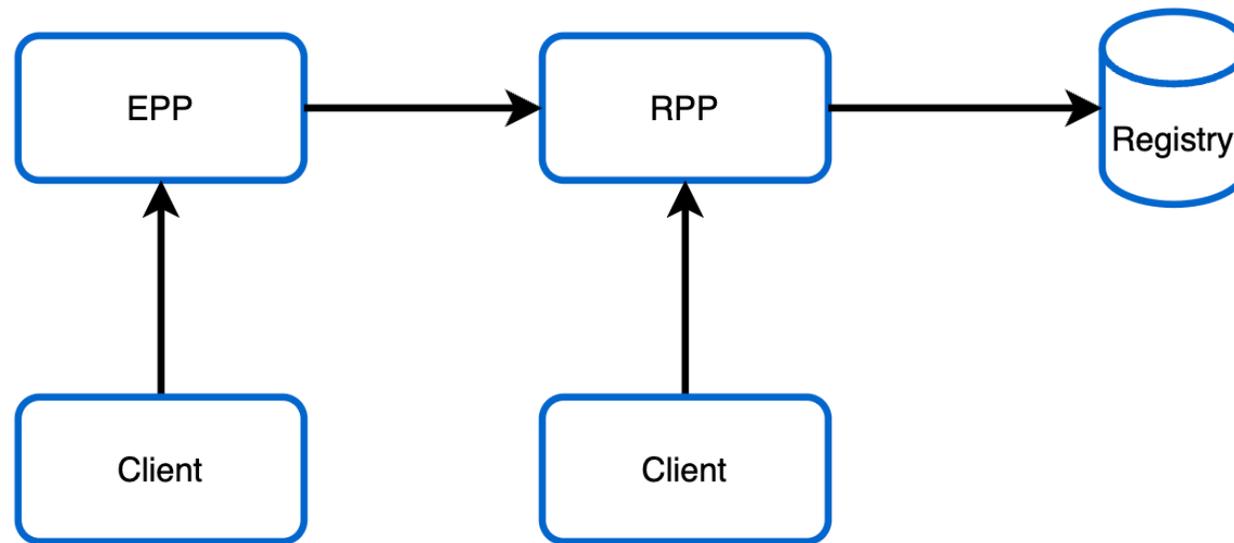
# Deployment – Serial

Based on EPP and RPP proxy



# Deployment – Serial

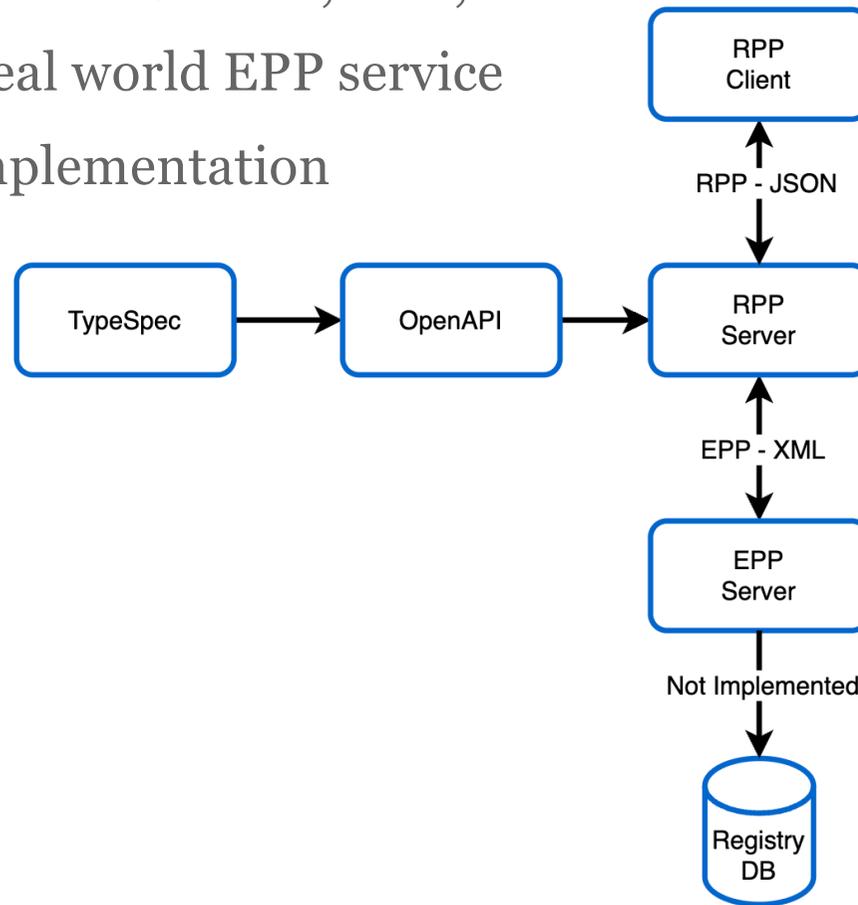
Based on RPP and EPP proxy



# Hackathon Project

Serial deployment based on EPP, uses;

- Test RPP using real world EPP service
- RPP reference implementation



# Results

Working code for RPP domain create use case functional end to end

- EPP: Server implementation (Login and Domain create)
- API: Specification in TypeSpec
- RPP: OpenAPI specification generated from TypeSpec
- RPP: Server forwarder to EPP server (generated from OpenAPI)
  - Client – HTTP/JSON – RPP – TCP/XML - EPP
- RPP: Client implementation
  
- A lot of hacking fun!, join us next time in Madrid!



# Future Work

Publicly available test environment for testing the latest RPP specification(s);

- Online running sandbox (Cloud)
- Docker

Use the provided dummy EPP server or your own EPP service.



# Code Repositories

The code and documentation can be found here.

RPP: <https://github.com/SIDN/ietf-rpp-api>

EPP: <https://github.com/SIDN/ietf-epp-server-dummy>

RPP-client: <https://github.com/christian-simmen/py-rppclient>



 SIDN.nl

 @SIDN

 SIDN

# Thank You

[www.sidnlabs.nl](http://www.sidnlabs.nl) | [stats.sidnlabs.nl](http://stats.sidnlabs.nl)

