

# RDAP implementation experience at .it (1)

- server (<https://rdap.pubtest.nic.it>)
  - has been very challenging to match .it data model with RDAP data model
  - allows only authenticated users to submit search queries
  - implements several extensions:
    - **counting, sorting and paging** (draft-ietf-regext-rdap-sorting-and-paging-01)
    - **partial response** (draft-ietf-regext-rdap-partial-response-01)
    - **reverse search** (draft-ietf-regext-rdap-reverse-search-01)
    - **specification**
    - **advanced searching and filtering**
    - **domain suggestion**
    - **searching by POSIX regular expression** (draft-fregly-regext-rdap-search-regex-04)
    - **ICANN requirements on vCard** (draft-hollenbeck-vcarddav-icann-rdap-extension-01)
- client (in progress)
  - self-configuring client based on server specification

# RDAP implementation experience at .it (2)

- validator
  - verifies the compliance with both RDAP and jCard specifications
  - is based on JSON Schema
  - has required to go through a lot of RFCs
- crawler
  - checks the responses from the servers included in IANA Bootstrap Service Registries
  - has discovered most of issues in jCard
- Future activities
  - moving forward IETF drafts
  - evaluating the submission of other extensions as IETF drafts
  - contributing to fix/replace jCard
  - completing the client
  - deploying the server in the live environment