SwiNOG 2017.11.09 - Bern
RIPEinator overview – Romain Aviolat

RIPE database can be queried via

- Web interface (RIPE NCC website)
- telnet ($ telnet whois.ripe.net 43)
- Whois client
- RESTful API

And updated by

- Webupdates (RIPE NCC website)
- Syncupdates (synchronous updates (HTTP))
- Email
- RESTful API

RIPE RESTful API

- Response format: XML by default or JSON
- HTTPS
- Update latency: <10s
- Authentication: password only

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RIPE Database RESTful API [1]

- GET (lookup)
- POST (create)
- PUT (update)
- DELETE (delete…)

- $ curl -X POST -H 'Content-Type: application/json' -H 'Accept: application/json' --data @update.txt 'https://rest.db.ripe.net/ripe/person?password=...'

- ## RIPEinator

  - https://github.com/xens/ripeinator
  - Manipulate RIPE-db objects through RIPE REST-API
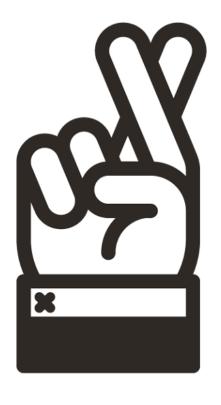 - Creation / Modification of objects
  - Written in Python

- Goal

  - Convenient way to manage our objects
  - Easy to put some versioning around it (git)
  - CI-CD compliant
  - DevOps model

DEMO !

- Current limitations

  - Not possible to remove objects right now
  - Not performant when parsing >1000 objects

Refs

- [1]: https://www.ripe.net/manage-ips-and-asns/db
- [2]: https://github.com/RIPE-NCC/whois/wiki/WHOIS-REST-API
- [3]: https://github.com/xens/ripeinator