



LACNIC's RDAP implementation

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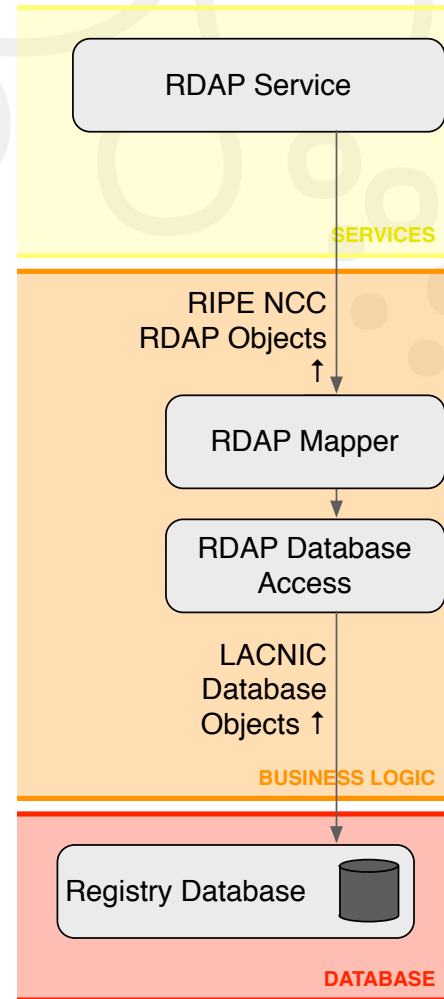
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The implementation

- In Java
- JSON Response based on RIPE NCC RDAP Objects
- Underlying Queries based on LACNIC Database Objects
- LACNIC → RIPE NCC Object mapper
- Made following (and complying with) RDAP drafts a lot easier
- Out of beta on December 2014

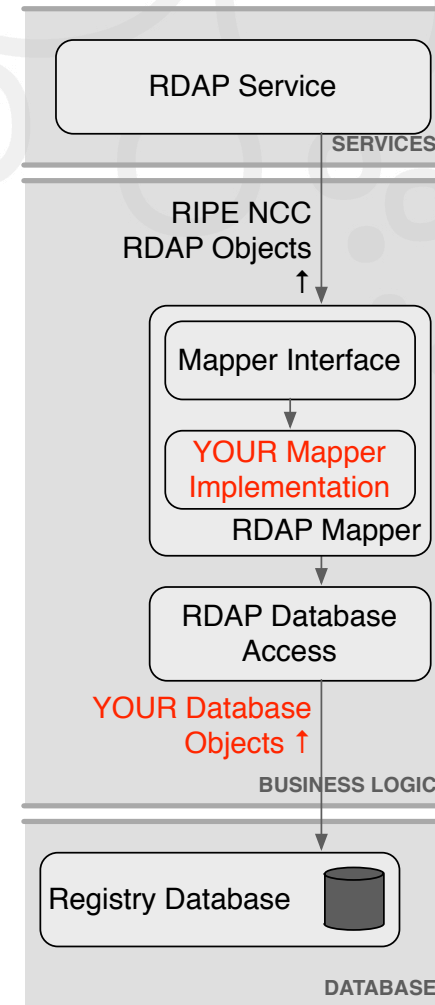
The implementation (1)

- Simple Java Application



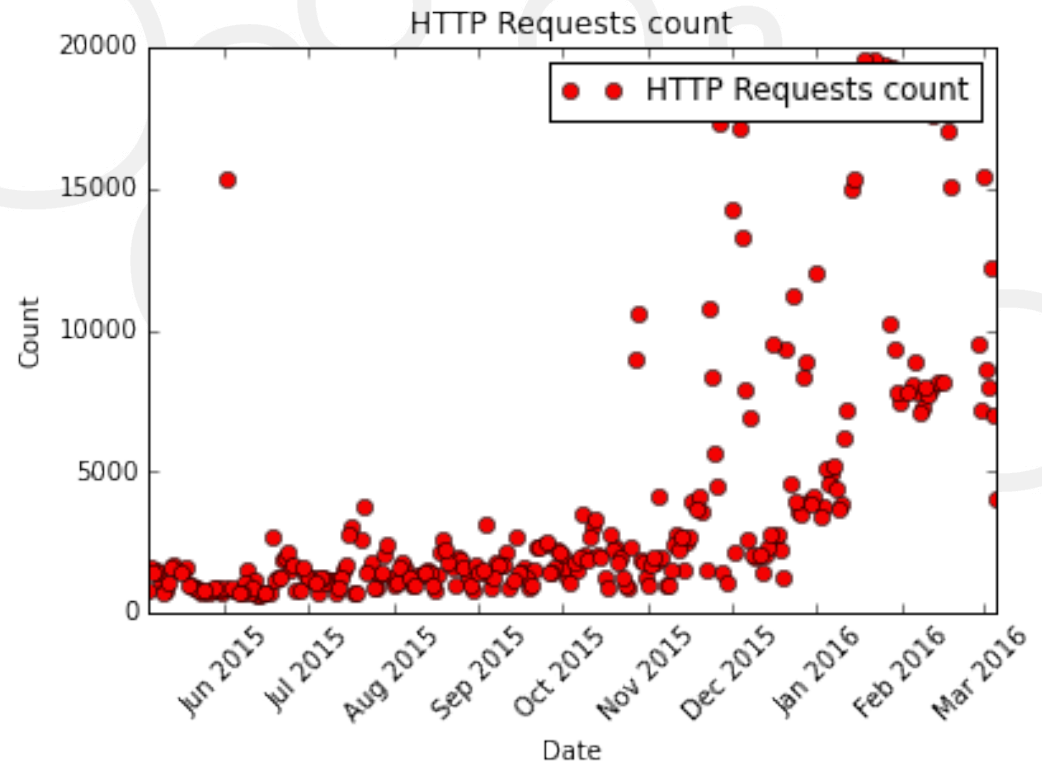
The mapper

- Easy way of implementing the Java mapper
- Based in Java Generics



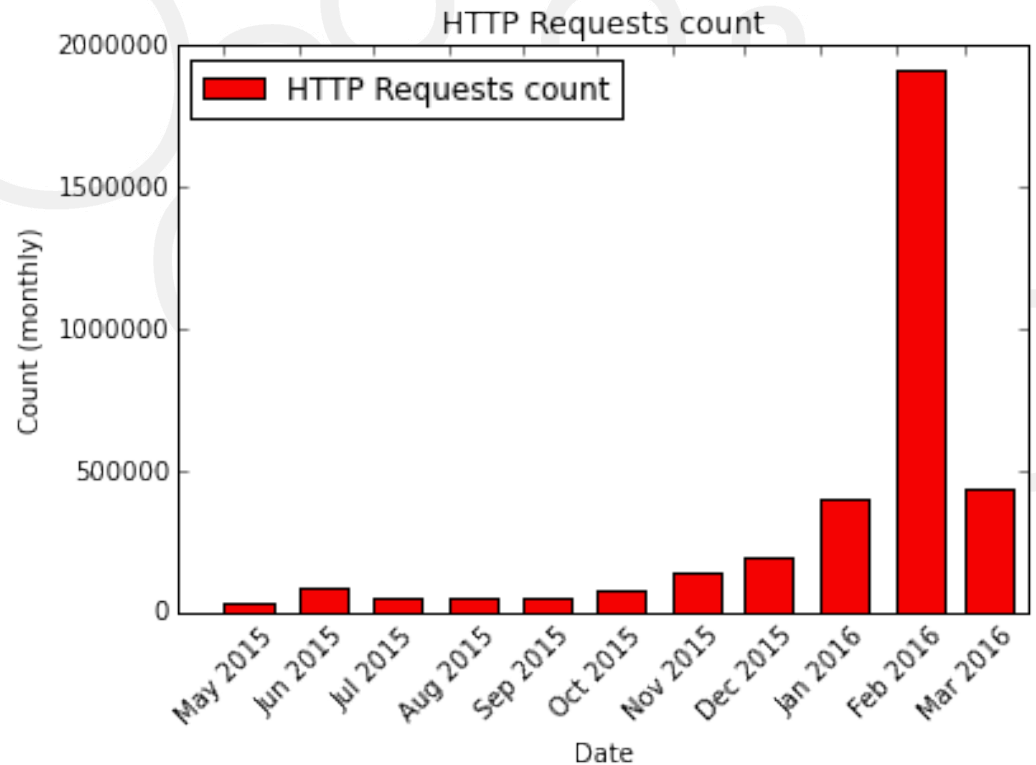
So far...

- ~177 K monthly
~6 K daily
(excluding Feb 2016)
- Daily minimums on the rise



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• Test suite

- APNIC's test suite ([GitHub](#)) as a WEIRDS compliance check
- Jenkins Continuous Integration tests

<https://github.com/APNIC-net/rdap-conformance>

API Keys

- Additional query parameter
- Uses [LACNIC API Key](#) services
- API Key tokens used for rate limiting only
- Defaults to 2 rate limits: 10 per minute and 1000 per hour, whichever is violated first
- IP-based rate limits
- [Formal procedure](#) for requesting a new API Key (similar to bulk whois)
- Proxy flag

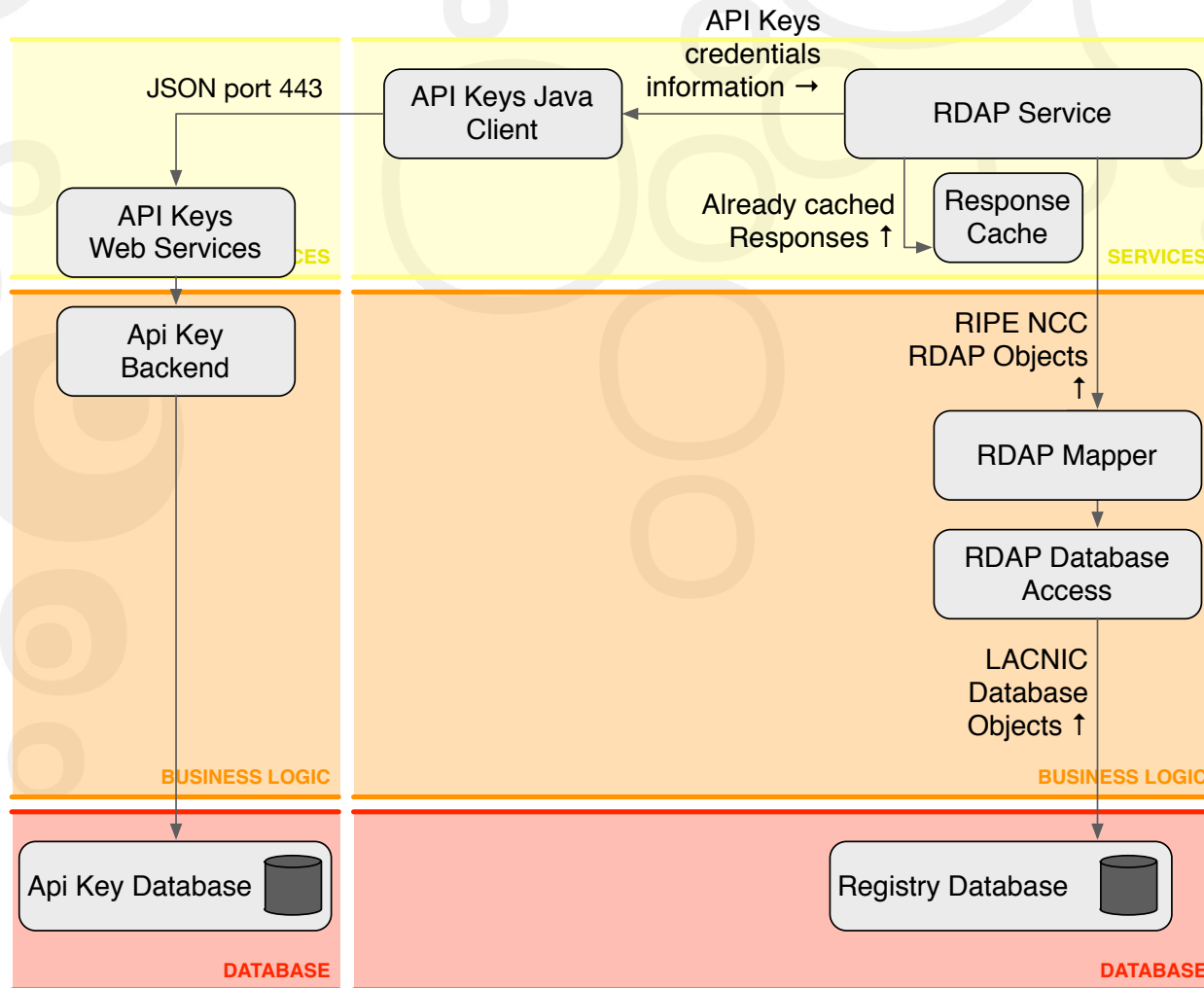
<https://apikey.lacnic.net>

<http://www.lacnic.net/documents/10834/1535064/solicitud-rdap-beta-es.pdf>

Temporary Cache

- Additional query parameter
- URL-based
- 24-hour object cache
- `cache=false` bypasses cache, hits the database, and refreshes the cache
- Cache notification is added to the `notices` attribute

The implementation (2)



RDAP Bootstrap

- ARIN's bootstrap ([GitHub](#))
- Out of the box Java application
- HTTP redirects are based on IANA and LACNIC json files
 - Regional NICs (NIC.br)
 - Other RIRs' IP space

https://github.com/arineng/rdap_bootstrap_server

TODOS

- HEAD!!
- Better bootstrapping

[RDAP](https://rdap.lacnic.net/rdap) <https://rdap.lacnic.net/rdap>

[RDAP Bootstrap](https://rdap.lacnic.net/bootstrap) <https://rdap.lacnic.net/bootstrap>

THANKS!